

<p>0</p> <p>0.1 100:10</p> <p>1</p> <p>1 69:17, 24; 83:25; 92:12; 125:2; 134:16, 17; 194:22, 22 10 71:21; 146:22 10,000 124:5 100 46:1 100-you 52:25 102 70:11, 16, 17; 150:9 103 150:10 10:15 14:3 11 75:22; 76:16; 118:6; 201:18 110 150:5 1119 53:13 115 52:20, 24; 70:12, 17 11:15 14:11 11:27 135:2 11th 13:2 12 146:22, 22; 156:3 12A-30 4:25 13 6:21 15 15:6; 144:13 15-minute 71:21 1527 89:3 17 78:22, 23; 79:1 1925 73:19 1938 152:16 1:00 14:22</p> <p>2</p> <p>2 92:12; 147:18; 195:7 2,000 84:1, 2, 4, 5, 13 20 57:6; 77:11, 12; 174:23; 189:17 200,000 84:1; 88:9 2002 6:21; 94:13 21 75:22; 76:16 2:38 205:22</p> <p>3</p> <p>3 118:10; 134:21, 22; 147:18; 201:15 3-D 176:8 30 69:20, 23; 71:13; 192:6 3:00 14:9; 173:16; 184:19</p> <p>4</p> <p>4 198:14 42 15:17, 18 4:1 129:17</p>	<p>5</p> <p>50 131:15, 15 50-minute 138:11</p> <p>6</p> <p>6 84:13</p> <p>8</p> <p>85 52:20; 70:12, 17 8:30 173:16; 184:19</p> <p>9</p> <p>90 150:5 95 52:23; 60:17 97.8 47:4 98 70:11, 16, 17; 150:9, 10 99.5 47:4</p> <p>A</p> <p>A&M 8:4 a-that 42:16 a-you 97:13; 184:13 a.m 135:2 Abbott 5:18; 7:14 ABC 59:22; 61:17, 17 ability 73:18; 145:4; 154:9; 159:12; 163:18; 195:3, 3 able 14:23; 22:22; 27:25; 29:8; 36:7; 44:20; 81:12; 90:7; 103:20; 112:15; 115:19; 119:15; 167:17, 23; 169:21; 170:4; 190:25; 192:11 about-you 201:25 absence 40:15; 161:22; 176:17 absolutely 46:19; 111:25; 128:20 abstract 23:15 academic 5:6; 118:16 accept 29:8; 61:17; 99:6 acceptability 84:11 acceptable 56:19; 62:11; 98:12, 24; 164:8 acceptance 32:5 accepted 63:13; 80:13; 89:6; 92:14; 104:15; 151:24; 152:3 accepting 160:23 accomplish 59:11, 11 according 42:13; 144:6; 145:17; 146:25; 153:20 account 83:12; 124:18; 183:14</p>	<p>accumulation 188:7 accuracy 69:15; 100:18, 20; 101:24; 130:17 achieve 13:20, 21; 22:22, 23; 23:22; 148:18 achieved 12:21; 23:6 achievements 93:1 acknowledges 5:13 acknowledgment 4:9; 112:9 acoustic 157:15; 175:23 acquired 147:25 across 20:19; 21:8; 25:4; 74:20; 78:18, 25; 81:10; 90:16; 96:1; 97:14; 141:3; 158:1 acting 5:20 action 62:25; 71:15; 108:23 actions 32:24; 169:10 active 36:21; 39:23, 25; 40:1; 69:12; 76:24; 78:2, 19; 80:4, 6; 143:8, 9; 150:6 activities 131:20; 170:15; 173:7 activity 59:7; 131:19, 23; 141:9 actual 56:16; 80:9; 90:22; 184:5 actually 16:5, 11, 23; 17:16; 25:12, 16, 25; 27:5; 28:6; 31:22; 36:13; 38:4, 9; 42:22; 43:1; 45:24; 47:15; 49:25; 54:1; 58:20; 61:24; 62:4; 64:17, 24; 65:11; 67:10; 69:7; 72:6; 74:15; 75:11, 14, 21; 76:5, 9, 20; 79:8; 80:6; 81:6; 82:2, 13; 84:20; 87:4; 92:9; 94:3; 98:14; 100:3; 101:6, 17; 106:10; 109:9; 122:24; 123:10, 12, 22; 127:11; 131:21; 138:20; 151:12; 152:17, 25; 153:3; 154:7; 163:9; 167:7; 175:16; 179:14, 18; 180:2, 4, 16; 182:8; 185:8, 25; 186:25; 188:5; 193:13; 199:5, 5; 200:2; 203:7 actually--since 202:7 actually--there's 101:8 actually--you 88:8 add 43:20; 67:2; 98:20; 105:25; 115:13; 117:20; 124:19; 144:1; 151:10, 14; 165:9; 182:2; 188:13 added 116:7 addition 182:3, 3 additional 41:21, 21; 90:8; 152:6; 159:10; 188:10 additions 175:4; 181:14 address 6:17; 16:21; 20:5; 21:20; 29:5, 14; 55:13; 72:13; 85:20; 100:4; 105:3; 113:7; 123:2, 8; 175:2; 188:2;</p>	<p>192:22; 196:7; 202:16; 203:2 addressed 28:8; 34:13; 53:21; 72:12; 79:16; 130:10; 143:25; 147:15; 163:9; 188:15; 199:12; 204:17 addresses 4:13; 30:17; 121:1 addressing 53:16; 64:14, 14; 122:8 adequacy 167:17 adequate 62:7, 10; 163:17 adherence 195:17; 197:5 adjourn 13:25 adjourned 135:3; 205:23 Administration 4:18; 7:19 Advanced 7:5 advances 85:13 advantage 162:10 advice 91:12 Advisory 4:4, 11 Affairs 8:13; 188:17 affiliations 6:24 afford 201:9 AFNAN 83:17; 86:23; 89:20; 92:2 afternoon 14:24; 87:2, 2 afternoon's 72:20 afterwards 22:15; 181:2 Again 23:17; 24:20; 36:11; 38:1; 48:24; 51:1; 82:6; 84:22; 96:13; 114:9; 120:12; 121:24; 122:9; 130:14; 133:23; 134:5; 142:14; 143:2; 144:8; 151:24; 169:25; 174:7, 20; 189:21, 24, 25; 191:23; 193:23; 194:9; 205:20 again-and 169:12 against 30:10; 130:16; 163:3 agency 15:13, 21; 18:19; 23:13; 51:12; 52:8; 54:9; 56:19; 63:13; 65:19; 68:12, 15; 79:12; 91:4; 104:12; 134:1; 146:7; 149:7; 150:19, 19; 151:5; 165:2; 167:4; 194:10 agency's 4:25; 148:19 agenda 6:13 aggregate 158:11; 163:20 ago 33:18; 47:12; 192:6 agonize 40:12 agree 11:21; 18:16; 21:10; 25:10; 28:12; 29:19; 30:20; 33:13; 38:24; 39:14; 40:12; 41:3; 62:23; 63:6; 66:11; 94:10; 108:10, 21; 113:21; 114:24; 115:2; 125:25; 126:1; 128:2, 8; 129:25; 133:4; 144:12, 22; 198:23</p>	<p>agreed 14:25; 15:12; 16:4; 18:14, 17; 30:16; 31:15; 47:14; 101:2 ah 18:9; 178:5 ahead 19:2; 33:12; 66:10; 71:10; 100:5; 108:13; 109:15; 120:11; 122:2; 142:14; 151:18; 186:2 air 20:16 Ajaz 8:14, 20; 13:14; 57:3; 96:8, 15; 114:11; 116:14; 120:21; 134:20; 150:25; 151:5; 166:24; 180:8; 188:3; 189:16; 204:14, 25 Ajaz's 72:10; 94:17; 95:21; 156:6; 169:6 Ajaz--what 96:6 alarm 74:10; 82:17 alcohol 135:1 algorithm 79:7, 13; 82:1 algorithms 34:19, 24 Ali 73:11, 12; 79:3; 83:15; 92:2 Ali's 92:8 all-encompassing 96:9 allay 69:3 alleviate 67:9 allied 6:5 allow 5:25; 55:25; 56:5; 64:24; 95:10; 137:9; 139:5; 148:7; 149:7; 155:1; 162:11 allowed 104:20, 25; 106:1, 3 allows 40:7; 53:15; 194:16; 195:9 alluded 166:24 alone 146:23 along 27:1; 33:16; 43:2; 49:23; 57:22; 79:12; 90:23; 121:15; 122:1; 189:11; 195:14 also--there's 188:23 also--you 121:19 altered 187:8 although 66:3; 134:24; 191:18; 193:11; 202:10 always 27:24; 31:7; 40:18; 43:25; 47:18; 51:8; 56:17; 58:19; 61:13; 62:12; 83:8, 9, 10; 99:4; 118:16; 120:16; 126:5; 127:14; 128:16; 138:10; 149:12; 159:19; 193:5 among 96:14 amount 107:20; 142:19; 169:18; 172:22; 176:10 analysis 16:12, 16; 22:21; 33:23; 45:6, 9, 20; 103:15, 16, 19; 133:14; 139:9, 14; 140:1; 172:9 analyte 36:14, 20; 52:23 Analytical 4:3, 10; 7:25; 9:8; 15:8; 23:14; 28:16, 22; 29:8; 30:25; 39:12; 53:16,</p>
--	--	--	---	--

17, 18, 21; 61:10; 62:7;
69:12; 78:20; 81:23; 93:1;
106:22; 110:11; 113:17;
127:15; 135:3; 138:23, 24,
3:6; 152:24; 153:1,
7, 14; 162:25; 168:8;
175:20; 176:19, 21;
181:13
analyze 45:20; 78:7
analyzed 83:21
analyzer 75:24; 78:7, 7;
182:18, 21, 22; 183:11, 17,
18, 21
analyzers 77:22; 80:23;
81:22
analyzing 36:13; 45:3;
144:2
anarchistic 167:10
and--individual 173:9
and/or 161:16
ANDA 197:17
ANDERSON 7:14, 14;
62:3, 23; 98:7; 100:3, 22;
105:3, 10, 19, 21; 110:7;
112:8; 117:4, 9; 122:18,
24; 125:25; 126:16; 127:2,
5, 16; 128:7; 129:25;
132:6; 151:21
announcement 4:13
annual 11:13; 160:15, 20;
200:3
answer--is 83:23
answered 62:8; 84:9
anymore 61:18; 200:22
apparently 161:9
appear 79:17; 181:5
appearance 4:16
applicability 5:3, 5;
177:21
applicable 62:16; 66:20;
152:1; 177:11; 187:22
applicants 165:3
application 23:7; 55:2;
63:10, 12; 64:22; 73:3;
76:5; 165:22; 174:3;
201:22
applications 29:11;
152:1, 4; 168:4; 174:22
applied 29:11; 130:21;
141:13; 143:5; 144:11;
149:9
applies 53:20; 89:4
apply 5:8, 12; 11:15;
26:23; 34:6; 66:6; 86:6;
104:3; 111:20; 141:21;
148:17; 149:2; 159:9
applying 159:9
appreciate 134:13;
138:3; 174:19
appreciation 46:14;
178:18
approach 9:19; 10:6;
18:1; 29:1, 15; 30:1, 9, 11,
13, 16; 31:6, 8, 18; 32:1;
39:10, 16; 55:14, 16; 56:7;
62:19; 83:5, 13; 86:1; 92:1;

118:13; 140:16; 166:11;
180:2; 181:1; 194:22;
196:2, 13, 15, 19; 197:12,
14; 199:20, 21
approach--a 11:11
approached 191:21
approaches 32:19; 95:6;
168:4; 179:21; 192:11;
194:22; 195:12, 14
appropriate 19:9; 36:16;
56:8; 59:15; 64:23; 65:22;
101:23; 105:1; 110:12, 14;
112:24; 113:7; 114:2;
125:22; 127:20; 130:6;
133:2, 3, 25; 140:22;
143:21; 149:3, 3; 163:15;
178:4; 180:15
appropriately 148:6
appropriateness 32:22;
133:9
approval 10:20; 11:3, 8,
18; 160:12; 166:14; 193:7,
24; 194:9; 198:11; 199:22,
25
approved 48:8, 18;
160:19; 161:3; 162:17, 18,
20, 22, 24; 163:2; 200:2
approximately 143:11
archiving 77:16
are--I 126:24
are--she 54:5
area 28:7, 19; 123:25;
141:21, 22; 168:24; 176:8;
188:4
areas 54:11; 91:5; 169:2;
170:17; 171:10; 179:22,
23
arena 155:18
arguing 18:23
argument 62:11; 101:1
around 6:22; 28:17;
33:10; 50:25; 51:24; 59:3;
73:7; 123:22; 133:23;
194:18
arrive 9:5; 197:7, 7
arrows 138:15
Art 7:17; 18:25; 21:16;
49:11; 96:4; 118:20;
125:19; 126:3; 128:22;
170:20; 204:4
Art's 171:18
Arthur 46:24
article 112:16
artificially 85:17
as--as 108:22
as--I 191:22
as--I'm 171:22
ascent 146:16
aside 21:2
aspect 11:4; 12:5;
141:21, 22; 192:18;
200:12; 202:13
aspects 9:10; 84:21;
153:13; 171:1; 203:19
aspiration 16:6

assay 102:15, 16, 22, 22;
145:4; 157:11
assays 47:16
assess 19:11; 21:5;
55:24; 140:19; 200:7
assessed 21:7
assessing 166:11
assessment 15:5, 8;
16:11; 25:19, 20, 24;
64:20, 20; 104:10; 138:25;
141:14; 174:5, 8; 180:1, 2,
9, 10, 19; 181:1; 195:4;
196:2, 9
assessments 86:6
assigned 12:16
assignment 63:7
associated 77:23; 92:25;
168:5; 170:2
assume 132:10
assume--just 153:12
assumes 99:17, 19
assuming 109:9; 204:17
assumption 101:5, 11
assurance 10:5; 27:7;
75:19; 188:18; 190:24;
195:19
assurances 145:8
assure 163:18; 183:15
assuring 87:9
AstraZeneca 7:8; 72:2,
23; 76:10; 95:13; 104:2
astute 54:4
at--bear 158:18
at--if 36:10
at--line 164:18
attempt 18:18; 140:7;
145:3
attempted 134:8
attempts 149:10
attend 203:22
attendees 164:25
attention 166:9
attributes 157:8, 25
attrition 46:17
audience 151:13; 156:2;
167:12; 171:5; 188:24
audience--I 174:21
audit 171:21, 24
authorities 28:5; 50:25
automatically 67:22;
102:14; 103:24
automation 171:10
availability 205:2
available 23:12, 12;
133:12; 190:11, 21;
194:22; 195:1, 5; 197:22,
25; 198:22
aware 53:5; 96:16
away 15:9; 38:25; 39:2, 6;
43:14; 44:24, 25; 80:12;
124:6; 176:18
awful 16:12; 79:4;
179:20; 187:4

AZI 83:8

B

back 4:3; 11:9; 13:25;
14:1; 16:13; 31:7; 33:17;
35:9; 42:25; 43:24; 44:15;
47:1, 5; 48:10, 18, 24;
49:7; 50:21; 51:11; 59:6,
21; 60:22; 62:3, 5; 71:22,
24; 72:6, 10, 11, 22; 76:2;
77:25; 79:5; 83:16; 94:17;
99:9; 129:1; 147:21;
153:18; 180:10; 186:5, 8,
10; 189:23; 194:12;
198:10
backbone 185:11
backed 141:12
background 16:22; 17:7;
139:21; 168:15, 19; 171:6
backup 36:14
bad 84:19; 87:12, 12;
88:13, 14, 15, 16; 120:6;
121:16; 122:21, 22; 124:5
balance 153:7
ball 84:12; 187:1
bar 75:25; 134:22
barriers 188:4
base 80:15
based 27:8; 36:23; 42:9;
43:11; 49:8; 54:2, 4, 7;
62:25; 63:11; 81:2; 83:18,
20; 84:3; 108:23; 118:13;
147:11, 25; 160:7; 161:6;
163:16; 164:8; 192:16
basic 29:25; 35:19;
54:20; 55:1; 83:10; 157:5;
170:17, 19; 172:8; 177:17;
178:18; 186:25; 188:20
basically 34:2, 12; 35:13;
75:4; 79:2; 95:18; 124:8
basically--let 153:18
basics 167:5
basis 10:22; 29:17, 18;
31:10; 37:10; 43:17; 51:2;
54:15; 62:22; 118:5;
133:21; 194:7; 196:17
bat 112:22
batch 27:13; 31:4; 35:12;
46:3; 54:24; 57:17; 60:4,
13; 63:23; 76:20; 77:5;
78:22, 23; 79:1; 80:21;
81:7, 10; 82:5, 14, 19;
83:18, 20, 22; 84:4, 16;
85:8, 16, 23; 86:16; 124:2,
8; 146:2; 154:4, 11;
162:11, 25; 163:5; 166:21;
171:10; 179:14
batch?--really 86:11
batches 82:21; 131:18;
153:20; 161:19; 198:8
be--I 93:15
be--something 160:2
be--well 17:15
bear 10:9; 58:18
bears 117:10

beat 109:21
beautiful 96:21
become 11:23; 13:1;
184:8
becomes 50:7; 86:16;
87:16; 127:15; 131:14;
200:11
becoming 92:14; 93:18
bed 74:4, 6; 75:6
been--in 33:14
been--Sonja 58:18
begin 15:12; 19:7; 59:1,
19; 82:24; 143:25
beginning 21:5; 26:3;
58:9; 71:2; 82:16
behalf 5:20
behavior 192:9
behind 29:25; 37:19, 23;
44:25; 55:4; 138:8;
147:24; 204:24
being--and 21:8
being--I 38:13
belief 9:19; 93:22; 139:21
bells 18:4
below 60:17
benefit 137:22; 174:25;
178:23; 200:25
benefits 201:3
best 82:12; 144:7
better 22:2; 38:19; 39:19;
59:12; 90:14, 18; 109:17;
148:13; 150:22; 161:2, 6;
173:1; 195:7
beyond 112:10
beyond--below 130:2
bias 102:15, 22
big 12:3; 67:12, 16; 68:5;
77:10, 15; 122:10
bigger 22:2; 60:11; 189:3
biggest 47:25; 67:2;
155:9
billets-doux 46:2
biotech 108:2
bit 14:8; 16:14; 44:21, 22;
89:18, 22; 90:19; 105:4;
112:12; 126:22; 149:16;
154:3; 167:8; 168:12;
176:16; 179:19; 181:2;
184:5; 201:12
bit--not 96:5
bits 20:22; 29:4
blank 163:8
blend 38:15; 39:24; 40:8,
11, 21, 21, 22; 44:10, 10;
47:3; 48:23; 55:11; 57:6, 7;
75:11, 11; 76:22; 120:3;
144:9; 148:23; 178:10
blender 75:8; 120:2;
177:13, 15; 178:10, 15
blending 60:5, 5; 74:7, 7;
144:12
blinded 183:13, 13
blockbuster 194:12
blocks 138:11

blown 123:16
bludgeoned 173:20
blunted 173:19
board 41:23; 52:5
Bob 7:8; 28:13; 42:25;
72:24; 81:5; 85:25; 89:9;
92:2
Bob's 30:23; 95:1
body 137:25; 138:5;
161:1; 205:19
Boehlert 4:21; 7:22, 22;
155:23; 158:20; 159:1, 5;
166:1, 5, 7, 15
boils 149:13
book 93:19
boss 59:21
both 27:15; 31:23; 36:19;
42:5; 50:24; 51:22; 58:4;
85:20; 108:4, 19, 22;
125:19; 137:19, 22;
161:17; 164:20; 169:8;
195:23
both—the 115:24
bottom 102:16
bought 65:17
bounced 48:9
bound 147:5
boundaries 156:13
box 34:16
box—in 11:25
brains 77:21
brainstormed 92:11
brand 174:24
branding 67:23
brave 189:14
break 14:3; 19:5, 10, 15;
64:18; 71:18, 21, 21;
72:16; 133:18; 140:18
breaking 193:19
breakneck 189:11
breakthrough 146:17
breakthroughs 146:18
brief 151:21
briefly 168:11
bring 9:17, 25; 11:5; 99:9;
114:12; 116:25; 137:9;
160:17; 172:10; 187:20;
188:8; 195:13; 199:4
brings 38:12; 44:15;
76:14; 130:9; 192:23
broad 5:3; 9:4; 10:10;
56:13; 168:25
broaden 74:10; 90:15;
174:14
broader 5:5; 111:5;
168:25; 188:24
broke 15:11
brought 10:9; 16:9;
46:11; 116:21; 126:3
Brown 7:16
bucket 69:22; 108:20
build 41:2; 162:2, 5;
174:4
Building 5:1; 41:4; 60:21

buildings 13:3
built 73:23; 81:25; 82:21;
120:25
built-in 160:25; 166:3
bullet 16:18; 17:1; 18:3;
8; 154:8, 11
bunch 55:18; 85:11
burden 153:5; 161:25
burdens 67:25
burdensome 160:14
bureaucratic 12:7
burn 88:1
burns 87:25
business 7:23; 108:6;
118:23; 120:14, 19; 121:9;
162:3; 165:21, 24; 166:4,
12
but—I 111:2
button 100:8; 116:18;
138:13; 158:5
buy 190:15

C

C 56:12; 62:3, 23; 98:7;
100:3, 22; 105:3, 10, 19,
21; 110:7; 112:8; 117:4, 9;
122:18, 24; 125:25;
126:16; 127:2, 5, 16;
128:7; 129:25; 132:6;
151:21; 154:14
C.F.R 75:22; 76:16
calibrate 119:8, 16;
131:8
calibrated 130:16
calibration 34:22, 22;
35:6, 9; 132:15, 24; 133:2;
153:2; 159:15, 16; 171:19;
203:18
calibrations 35:2; 153:6
call 55:9; 82:17; 107:15;
131:25; 140:11
called 26:4; 88:21; 99:3;
138:18; 149:22
calling 43:10
calls 75:24; 149:23
came 47:11; 57:19; 95:4;
96:8, 19, 25; 121:13;
141:7; 151:23; 152:6;
168:15; 169:12
came—was 185:9
campaign 131:18
can 9:25; 13:23; 14:9;
16:18, 20; 17:13; 18:9;
23:14, 15; 24:20; 28:5;
30:10; 36:24; 40:12, 21;
42:2, 12, 25; 43:1, 4;
45:11; 46:21; 48:6, 15;
49:24; 50:2, 3; 52:15;
55:14, 15; 56:3; 58:5; 59:3,
19; 62:10; 63:20; 72:7, 25;
74:2, 21, 25; 76:4, 19;
80:14; 81:25; 82:23; 85:9;
94:20, 23; 97:14; 98:3, 13;
101:10; 102:9, 10, 17, 17,

19; 105:3, 14; 108:1;
109:20; 111:8; 115:4, 13;
117:14, 25; 122:1, 2;
123:20; 125:16; 126:18,
20; 127:12, 13, 22, 25;
138:9; 139:18, 19; 140:4;
141:13, 21, 24; 142:13;
143:5; 144:20; 147:11, 24;
148:1, 11; 150:4; 151:19;
154:15, 16; 155:15;
157:11, 13; 158:21;
160:11; 161:7; 162:8, 25;
163:6; 168:13; 175:18;
178:20; 179:1, 11; 181:2;
184:12, 13; 187:1; 190:16;
191:1, 3; 193:10, 24;
194:13; 196:9; 197:13;
200:2; 201:1, 9; 202:4, 5,
7, 9, 11, 11; 203:1, 8, 9;
204:7
can—some 196:23
capabilities 41:21;
168:5; 172:9
capability 70:13; 194:1
capable 38:5; 88:5;
148:6; 169:8
capacity 194:2
capsule 45:21
capture 129:8; 180:23
captured 46:21, 22;
129:19; 132:7; 134:1;
154:5
capturing 39:5
car 142:4
care 97:14; 118:19;
183:5; 184:2
career 83:8
careful 99:11, 15
careful—we 47:21
Carl 63:6; 115:14
Carl's 114:24
carries 67:24
carry 73:7; 79:24
carved 152:10, 16
case 15:21; 36:18; 38:22;
56:17; 58:15; 66:15;
95:13; 108:11; 114:15;
164:24; 172:10; 173:17,
22; 185:16, 20; 186:3, 5;
201:23, 24; 202:1, 5
case-by-case 29:17
case-by-unit 29:18
cases 29:5; 53:8; 105:17;
108:22; 165:20; 166:14
catch 178:12
catch—analyzed 69:14
categories 67:4
category 53:5; 67:9;
186:19
caught 95:24; 122:22
cause 58:3
caution 12:22
CBE 160:15, 20
CDER 8:14
CDER/ORA 199:21

Center 7:4, 24
Central 96:23
centrifuge 108:3
century 146:20
certain 12:21; 40:24;
42:13; 49:18; 50:2; 52:14;
57:7; 91:19; 92:21;
141:21; 148:12
certainly 10:22; 13:1;
16:9; 20:9; 24:19; 29:10;
33:18; 46:9, 21; 53:7; 57:1;
71:6, 7, 12, 14, 19; 73:10;
94:2; 96:9; 113:10;
150:11; 179:11, 15; 187:1
certainty 200:5
certification 12:18;
167:16, 18
cetera 25:18; 30:4; 54:18;
76:24, 24, 25; 77:23; 83:8;
93:4; 179:21; 180:11
CGMP 48:15; 54:2; 56:12;
66:19; 195:19, 19
cGMPs 190:25
Chairman 16:3
challenge 9:23; 12:3;
20:13; 32:17; 140:25;
197:1
challenged 85:15; 195:4
chance 72:21; 134:5
change 43:2; 49:21; 50:3;
55:23; 56:1, 21; 57:2;
61:11; 64:16, 21; 83:9, 9,
10; 84:17; 90:8, 9; 104:8;
105:15, 17; 138:24;
140:10; 145:11; 146:17;
152:15; 155:9, 14; 160:9;
162:1; 165:13; 193:20, 21;
194:19
changed 46:12, 13, 15;
49:17; 64:11, 12; 82:24,
25; 126:8; 127:3; 155:6
changes 43:8, 9, 15;
56:12; 57:9, 21, 24; 86:17;
95:10; 138:20; 159:15;
161:18; 165:17; 193:7
changing 21:4; 32:2;
50:10; 99:5, 7; 105:4
characteristics 148:8;
164:6; 167:22, 24
characterized 192:20
charge 62:25
charge—and 63:2
check 87:21; 138:19;
197:17
checked 75:10; 134:21
checklist 142:6
chemical 16:15; 42:21;
144:19; 145:25; 175:24;
192:9
Chemistry 7:25; 191:19;
202:18
chemists 152:24; 153:2,
7
chemometric 142:7
chemometrician 187:6
chemometrics 168:3;

170:20; 186:15, 16, 24;
187:10, 12, 13, 13, 16
CHIBWE 30:22; 59:18;
61:12; 62:12; 63:14; 64:6,
9; 65:11; 89:8, 15; 91:14;
92:19; 93:11; 107:10;
111:10; 112:23; 124:25
CHISHOLM 7:8, 8; 26:10;
73:9; 74:25; 81:8; 88:19;
89:11, 17, 22; 91:23; 92:2,
23; 93:12, 20
chit-chat 71:23
chit-chatting 137:2
CHIU 178:22
choice 71:20; 108:12;
117:1; 196:18
choices 63:4
choose 26:1; 185:17, 18
chosen 151:2
Chris 96:15
chromatography 181:6,
20; 182:2
chronological 173:3
citations 66:22
cited 66:14
citizenship 73:18
CIURCZAK 8:11, 11;
46:23; 99:10, 19; 123:23
claim 115:6
clarification 64:3; 128:8;
151:17, 20, 22; 153:12
clarified 151:15
Class 191:2, 4, 5; 194:8
classical 178:9
clear 178:7; 188:23
Clearly 81:9; 100:23;
193:6; 197:5; 198:7;
200:18
clicks 158:21
close 18:16; 129:24;
159:3
closed 116:23, 24
closer 16:12; 39:18, 18;
146:18, 18, 19
closing 190:5
coating 99:13
codes 75:25
coffee 71:18, 23; 87:22,
22
cohesive 170:16; 172:6
Cole 96:15
colleague 15:25
colleagues 40:15; 137:2
collect 55:20, 21; 74:4, 6;
127:22; 164:11; 170:15;
198:17
collected 11:23; 161:24;
163:23; 198:25; 199:13
collecting 65:25; 66:7;
107:11
collection 147:8
collectively 19:8, 12
College 7:16
columns 102:15

<p>combination 163:21; 178:3 combine 193:9 combined 158:12; 174:4; 15 comes--in 85:5 comfort 32:5; 40:19; 56:18 comfortable 31:25; 41:14; 47:17; 51:20; 116:6; 133:20 comfortably 40:7 coming 10:20; 25:2; 27:7; 40:15; 69:13; 70:10; 75:10, 18; 80:3, 20; 81:13; 85:11; 88:9, 10; 90:4; 100:4; 133:1; 147:21; 179:14; 187:18; 189:19; 205:14 comment 6:19; 17:10; 20:24; 22:12, 13; 24:6; 26:8; 31:19; 32:13; 41:5; 46:23; 47:2; 54:4; 67:5; 69:8; 71:11; 96:3; 105:4; 110:24; 111:25; 114:8; 122:24; 152:6, 21, 23; 163:10; 171:23; 180:8; 184:11 commentary 67:14 comments 6:1; 12:10; 21:17, 20, 24; 22:4, 4; 28:12; 30:22, 23; 55:15; 79:9; 99:1; 156:8; 175:2; 200:4 commitment 198:14 Committee 4:4, 11; 5:4, 7, 16; 9:18; 13:25; 48:3; 156:1; 165:8; 167:11; 202:3 committing 112:13 common 61:21, 22; 157:1; 176:7 common-sense 54:21 communicated 167:4 communications 199:19 companies 6:10; 30:13; 56:1; 61:15; 89:6; 112:13; 129:8; 134:11; 145:7; 179:1, 4, 13; 184:22; 200:9, 15; 201:5, 7 Company 7:10; 11:14; 15:19; 71:5, 8, 14; 76:12; 111:23; 124:13; 125:22; 146:24; 150:3; 162:6; 198:16, 20, 21, 25; 199:4, 7; 200:17; 205:4 company's 65:5; 123:1, 6 comparability 161:10 compare 127:12, 25; 144:4 compared 102:16 competencies 12:12, 15 compile 91:2; 92:6 complaint 55:8</p>	<p>complete 14:5; 22:10; 85:2; 154:21 completely 21:5, 23; 76:8; 84:11; 97:25; 102:3; 130:1 completing 203:10 completion 167:15 complex 35:23; 40:17; 41:11; 191:17, 20; 192:8 complexity 36:20; 38:13; 131:21 compliance 17:11; 28:6; 82:16; 118:22; 125:20; 194:4 complicate 33:5 complicated 41:11; 79:19 component 50:5; 59:6; 66:21; 84:23; 109:6; 166:25 components 47:8; 49:18; 50:2; 106:14 components--okay--what 50:1 composition 36:23 comprehensive 182:11 compressing 85:9 compression 74:5; 182:9 computer 133:24; 201:17; 203:18 computers 78:12 concentration 52:22 concentrations 106:14, 15 concept 11:10; 20:12; 43:16; 57:1, 2; 69:9; 70:4; 85:24; 87:16; 88:2, 13; 121:2; 123:24; 140:24; 154:1; 156:23; 157:17; 160:11; 169:6; 198:6, 9, 17; 199:1, 14; 202:22 concepts 32:18; 92:8; 168:20; 170:5; 172:9 conceptually 170:16 concern 43:25; 120:1; 190:19; 191:9, 9 concerned 30:6; 32:22; 70:1; 76:18 concerns 10:18, 21; 144:20; 202:17 concession 67:13, 16 concessions 67:3 concludes 165:10 conclusion 15:1 conclusions 15:15 concur 32:13 condition 42:11; 43:10; 144:4, 7; 145:18; 147:1, 11 conditions 42:14; 52:20; 146:2; 162:8 conductive 196:5, 25 conducted 144:18; 146:1; 147:7 confidence 56:6; 114:1</p>	<p>confidently 60:2 confirm 20:17, 18; 25:3; 141:2 confirmed 42:20; 145:20, 24 confirming 88:16 conflict 4:14 conflicted 14:24 conflicts 5:11, 14, 16, 22 conformance 196:1, 10 confound 194:14 confuse 97:19; 98:1 confused 55:5; 97:25 confusing 64:1; 115:11; 116:9 confusion 116:7 Congress 133:12 connect 186:8; 196:4, 20 connected 76:12; 196:24 connotation 105:16 conscientious 13:9, 9 consensus 129:16; 133:13; 168:15; 199:11 consensus-based 54:6 consider 156:11; 159:11, 16; 198:6, 22 consideration 130:7; 159:19 considerations 37:3; 40:24 considered 106:25; 107:1; 126:6 considering 84:2; 171:5 consist 173:4 consistent 58:11 consistent-type 12:19 consolidate 169:2 constituent 49:21, 23 constituents 50:11 constitute 18:18 constraining 56:16 constructive 175:15 consultant 6:6, 8; 8:8, 11 Consultants 6:3; 197:25 consulting 6:4; 7:23 consumer 190:18 consumption 134:25 contact 202:3 contamination 159:18 content 41:1; 60:16; 69:12; 76:24; 78:3, 19; 80:4, 6; 148:14, 23; 179:18 contention 38:1 context 25:13; 54:19; 85:6, 25; 96:17, 18; 114:23; 179:19; 186:11 contingency 123:8, 13; 124:13, 14, 17; 125:21, 23 continual 139:15; 173:20 continue 8:19; 59:13; 79:10; 122:3; 146:12; 150:13 continued 152:4</p>	<p>continues 196:24 Continuing 199:18 continuous 17:21; 31:5; 35:13; 44:1; 66:2; 85:10, 12; 121:14; 123:12; 124:3; 154:14; 196:5, 22, 25 continuously 153:25; 154:16 continuously--constantly 154:20 contracts 6:9 contributions 205:16 contributors 151:11 control 27:6; 33:2; 35:25; 36:3; 44:13, 18, 20; 45:12, 14; 60:20; 69:10, 10; 70:4; 75:14; 82:9; 83:5, 5; 86:16; 87:7, 20; 88:11; 95:7; 102:18; 104:17; 121:4, 24; 122:2, 11; 123:15; 130:13, 20; 139:9; 140:16; 148:11; 154:21; 156:15, 20; 158:24; 159:2; 163:17, 22; 168:8; 171:2, 4, 8, 11; 172:9 controlled 75:11; 90:15, 18; 143:17; 148:7 controlling 40:4; 61:3; 62:21; 75:6; 76:21, 22; 87:6, 7, 10; 129:3; 146:9; 156:16 controlling--and 87:5 controls 76:7; 77:23; 150:14 convene 14:11 conventional 18:1; 20:13; 161:3, 11, 15; 162:18; 163:6 convince 50:8, 9 convinced 32:16 Cook 179:3 COOLEY 7:7, 7; 22:14; 102:12; 106:5, 24; 107:3, 7, 9; 108:1; 118:20; 119:6, 13, 18; 125:18; 126:3, 6; 128:22; 129:12; 130:4; 133:11; 181:4, 18; 182:5, 16, 21, 23; 183:7, 9; 184:1 copies 204:8 copy 4:23; 95:21; 113:14 corner 141:19 Corporation 7:6 correction 102:25 corrective 71:15 correctly 61:6; 178:3; 196:21 correlate 17:3, 5; 24:16; 25:8; 38:9; 50:3; 98:18; 100:9, 13, 18, 19; 113:15; 139:22 correlated 98:22; 169:22 correlates 100:11 correlating 98:5; 99:11, 15 correlation 99:24; 100:10, 11; 186:17</p>	<p>correlations 163:25 corresponding 103:17; 161:2 cost 36:25; 194:4 count 191:3 couple 12:10; 20:1; 21:16; 53:4; 96:11; 121:12; 130:8; 141:6; 175:5, 12; 181:4; 182:19 courage 71:23; 137:20 course 38:18; 91:18; 104:17; 138:12; 141:1; 143:8; 144:8; 149:12; 159:11; 167:6, 7; 168:13; 171:1, 6; 172:19; 173:1, 13, 25; 174:6; 184:15; 185:6; 188:21, 23 course--the 173:3 cover 53:8; 98:22; 168:7; 184:1; 187:11 covered 32:15; 130:6; 170:4 covering 109:5 covers 108:21 CPMP 161:9 cradle 74:17 crazy 144:24 create 78:5; 79:6, 12; 188:8; 202:4 created 202:1 creating 90:2; 197:23 creation 88:24; 187:25 credentialed 12:20 crisis 193:22 criteria 23:6, 21; 102:7, 17, 20; 105:6; 147:11; 148:19; 151:22, 25; 163:13, 16 criterion 105:19 critical 9:20; 10:4; 33:1; 77:5; 78:21; 92:20; 95:9; 110:3, 4, 6, 10, 17, 22; 163:14; 195:18 criticism 192:14, 15 cross-functional 92:1 cross-reference 52:9 cross-validation 92:20 crossing-outs 99:7 crowd 187:6 crummy 47:14 crunch 193:6 crystal 106:16 crystallization 106:12, 19; 182:1 cumbersome 12:6 cup 87:22, 25 current 6:18; 31:20; 39:6; 52:9, 16; 55:17; 56:1, 7; 66:19; 70:25; 144:5; 167:18; 190:23; 193:25; 195:15 currently 43:19; 49:14; 50:15; 53:21; 57:14; 62:14, 15; 191:11</p>
---	--	---	--	--

curriculum 9:3
customer 37:1
customers 59:14
cut 102:14
cuts 102:19
cycle 17:20; 20:19; 25:5;
43:11; 131:17; 141:3;
194:2

D

daily 194:7
danger 180:13
dangerous 88:23
data 11:23; 22:7; 36:5, 6;
42:9; 47:4; 55:20, 21; 59:8,
9; 65:24, 25; 66:7; 77:8, 9,
11; 78:9, 20; 79:1, 11, 18;
80:9; 81:13, 20, 23; 82:22,
23, 23; 90:8, 20; 102:5, 10;
108:24; 115:16; 119:1;
126:20; 127:12, 22, 22, 24;
142:19, 20, 22, 24; 147:6,
7, 25; 153:25; 161:23, 24;
168:7; 170:1, 14; 171:20;
174:16; 184:10; 192:15,
16; 196:17; 198:8, 17;
199:12
database 170:25; 194:15
datum 16:23
Dave 58:24
David 183:10
day 4:3; 8:16; 31:12; 60:2;
69:19; 72:11; 73:17;
78:24; 79:11; 92:8;
114:11; 128:24; 173:18;
174:3; 180:24; 189:22;
190:8; 203:10, 22, 23;
205:10
days 48:17; 73:14; 124:2,
3; 142:17; 174:4, 11;
188:11; 205:15
deal 34:2; 53:2; 85:21, 22,
23; 112:1, 4; 133:14;
167:14; 191:17; 193:2;
194:6
dealing 21:21; 23:7;
26:17; 112:1, 6; 119:3;
141:25; 192:7
dear 147:22
death 109:21
debate 123:17
decide 15:7; 61:1; 94:7;
116:10; 150:3; 156:25
decided 21:23
deciding 43:18; 117:10;
152:17
decision 28:7; 67:12;
94:10; 106:18; 107:14;
108:6, 16, 17; 110:23;
121:9; 161:5; 162:3, 6;
165:21, 24, 25; 166:4, 13,
14; 201:10
decisionmaking 105:18,
23; 108:15, 25; 111:6;
147:24

decisions 81:19; 109:1,
3; 161:7; 166:13; 194:17;
196:3, 14, 16, 21; 201:22
decrease 103:15
decreases 200:4
defend 115:19
defenders 89:2
defensible 51:2, 5
defer 186:20
deferred 163:10
define 9:1, 15; 59:19;
160:5; 164:14, 19; 201:2
defined 77:13; 147:11;
203:14
defining 77:14; 129:15
definitely 113:4; 164:13;
186:9; 188:14; 205:7
definition 38:19; 85:8;
104:1; 107:3; 138:22;
139:4
definitions 139:8; 169:16
definitive 38:3
degree 110:5
delay 10:19
delayed 13:16
delaying 11:3; 194:9
delete 128:14
deliver 25:22; 58:11
delusional 15:4
delving 179:22
demands 104:6, 22
demonstrate 35:10, 14;
36:7; 91:2; 127:19; 157:4,
22; 164:5; 167:23
demonstrated 167:19;
186:6
denote 152:2
density 108:5
departments 61:14
depend 101:25; 125:16;
184:24
depending 26:16; 75:12;
130:23; 131:19
depends 201:4
depth 166:16
describe 85:17
described 27:12; 85:10;
90:24
describing 21:4; 92:25;
177:4
description 170:7, 19
design 19:14; 20:6, 14;
28:17; 91:12; 140:20;
159:14; 170:27; 199:11
designation 148:5
designed 26:20
designer 90:13
designing 13:3; 29:7
desire 95:5, 12
desired 41:1
destroyed 80:1
detail 129:20; 142:3
details 9:2, 14; 23:20, 20;

171:18
detect 183:16
determination 137:20
determinations 66:1, 2
determine 44:3; 49:18;
57:18; 125:22; 169:21;
200:25
determined 133:9; 204:2
determining 129:13
develop 11:10; 13:15;
20:11; 22:9; 110:12;
124:13; 140:23; 160:7;
164:20, 23; 199:11
developed 42:20; 75:7;
92:11; 133:19; 144:4;
145:24; 147:4; 168:24
developing 191:25
development 9:11;
10:18; 11:16; 12:1; 22:8;
42:14; 47:7; 49:17, 20, 22,
25; 50:16, 17; 56:16;
57:15, 16, 20, 22; 59:6;
67:8; 109:8; 115:16;
116:1; 131:25; 145:19;
147:6; 191:22; 193:6;
203:17, 17
developmental 147:17
deviant 67:23
deviation 47:13
device 22:20
devices 23:22
diagram 74:9; 77:18
didactic 172:19; 173:16;
184:6, 21
difference 57:13; 68:19;
115:25; 122:10; 147:16;
158:13
differences 33:22; 34:1;
147:19; 202:20
different 15:17; 18:10,
10; 24:14; 26:16, 18, 24;
27:8, 16; 30:13, 14; 33:21,
24; 37:2, 6; 39:11, 11;
41:10, 17, 20; 43:5; 45:2;
52:10; 61:7, 15; 65:24;
69:24; 71:6; 75:20; 77:1;
84:11; 87:17; 99:21;
103:5; 105:16; 111:17;
121:8; 124:16; 131:17, 17,
22; 132:18; 141:16; 154:3;
155:16, 17; 156:12, 24;
157:9, 17, 20; 158:15;
161:10; 164:16, 18, 19;
173:14; 178:19; 197:8;
201:16; 202:3
different-you 30:13
differentiate 31:4
differentiating 43:18
differently 140:3, 14
differently-out 11:24
difficult 58:19; 88:20, 22;
89:5; 90:17; 91:5; 131:13;
194:4
difficulty 87:7; 106:8
diffuse 100:10
dilemma 141:17

dimensionality 37:5;
170:18
direct 36:20; 74:5;
112:10; 114:6; 143:7;
147:1
directed 16:5; 20:10
direction 18:20; 69:5;
134:9, 23; 145:22; 146:6;
197:4; 200:16
directly 36:13, 24;
192:24; 193:11
Director 7:1, 4; 48:13
disadvantaged 146:24
disagree 15:16; 131:7
disappointed 17:8
disaster 13:2
disclaimer 53:15; 96:6
discuss 11:1; 24:9; 62:2;
91:9; 106:10; 128:21;
198:3; 199:13; 201:19;
202:14
discussed 5:5; 15:22;
22:14; 60:22; 67:6, 20;
108:23; 114:23; 120:21;
128:23; 147:19; 189:1;
201:19
discussing 106:6
discussion 5:15; 51:24;
65:16; 67:17; 74:11, 11;
96:7, 13, 20; 97:4; 114:10,
12; 116:23; 119:5; 121:19;
122:7; 139:12, 20; 141:7;
150:25; 152:6; 163:10;
168:14; 169:19; 171:3;
190:8; 203:1, 6; 204:21;
205:15
discussions 4:21; 6:11;
8:19; 14:22; 61:6; 64:12;
67:4, 17; 118:12; 156:5;
200:8; 201:16
dispensaries 75:5;
76:21
dispensary 74:1
display 36:7
dissolution 36:22; 46:1;
49:19, 24; 50:12; 57:19,
21; 58:1; 157:19
distances 47:9
distillization 181:24
distinct 144:2
distinction 93:10; 102:8;
108:21; 109:7; 110:16;
112:18; 113:12; 170:12
distinguish 102:4;
111:18
distinguishing 167:22,
24; 186:17
distribution 189:3
diverse 170:17
divide 17:16; 24:19
divided-this 174:9
do-and 47:10
do-that 55:10
do-the 57:13
docket 201:24

document 15:13; 37:9;
52:2; 62:6, 9; 69:2; 126:7;
129:5; 148:15; 149:3;
151:7; 196:1
documentation 33:3;
49:16; 131:25; 171:16
documented 156:10;
195:17; 197:6, 8
documents 15:18;
23:12, 13; 52:9; 66:24;
149:2
doesn't-if 38:8
doing-and 87:14
don't-obviously 129:22
don't-this 21:11
done 22:6; 33:3; 43:19;
55:9; 72:7; 74:12; 78:15;
79:8; 80:10; 90:5; 93:5;
96:14; 116:7; 128:18;
134:2; 139:11; 160:14;
179:5; 199:17; 201:15;
205:18
done-Ajaz 185:9
door 95:9; 154:18, 18
dosage 73:25; 75:3;
147:3, 8
dossier 49:16; 92:6
dossiers 91:2
dots 196:4, 23
doubt 46:19; 50:22; 54:8;
72:24
doubtful 88:23
Doug 8:12; 115:2
down 16:1; 19:6, 10;
31:9, 24; 48:13, 19; 52:16;
56:24; 61:21; 64:18; 68:7;
73:9; 77:21; 79:6; 82:6, 10;
86:8, 11; 92:10; 112:20;
122:15; 129:22; 134:6;
140:19; 149:13; 156:7;
159:4; 162:5; 189:21, 21,
21; 190:8; 193:19; 195:2;
197:11; 201:12, 12
down-especially 62:18
downtown 96:22
DQ 171:16; 182:20
DR 4:2, 21, 22, 22; 5:18;
6:2, 6, 8, 22, 25; 7:3, 9, 11,
14, 14, 17, 20, 22, 24; 8:2,
4, 7, 9, 11, 14, 15, 22; 12:9;
14:7, 10, 13, 15, 16, 18,
20, 21, 25; 15:3; 18:6, 13,
22; 19:2, 15, 17, 23, 25;
20:1, 24; 21:2, 14, 16, 18,
19; 23:25; 24:2, 6, 19;
25:14; 26:8; 28:11; 30:20,
21; 31:13, 14; 32:11; 33:8;
34:4, 10; 37:24; 38:18;
39:3, 8, 14; 43:22, 24;
45:17, 18, 19; 46:5, 23;
49:5; 51:11; 52:14; 53:10;
61:5; 62:3, 23; 63:6; 65:13;
68:11, 18; 71:10, 11, 17;
72:1; 85:4; 86:3; 88:17;
93:13; 94:12; 95:15, 17,
20; 96:4, 18, 23, 24; 97:3,
7, 8, 9, 11, 12; 98:4, 7, 13,

16, 20; 99:2, 10, 17, 19, 22, 25; 100:2, 3, 6, 9, 17, 22; 101:2, 3, 15, 18; 102:4, 24; 103:2, 5, 12; 104:7, 16; 105:3, 8, 10, 11, 19, 21, 23, 25; 106:9; 107:1, 5, 8, 13; 108:10, 13, 14; 109:1, 13, 17; 110:7, 19; 111:4; 112:8; 114:9; 115:6; 116:6, 10, 12, 20; 117:4, 9, 12, 20, 23; 118:2, 6; 119:4, 12, 14, 21, 25; 120:12, 21; 121:2, 10; 122:13, 18, 20, 24; 123:23; 124:10, 19; 125:7, 24, 25; 126:5, 10, 16, 23; 127:2, 4, 5, 7, 9, 16, 21; 128:7, 9; 129:10, 25; 130:8; 132:2, 6, 9, 12, 17; 133:16; 134:16; 137:1, 5, 17; 138:22; 151:21; 152:14, 22; 153:9, 11; 154:13, 15; 155:19, 21, 23; 158:20, 23; 159:1, 3, 5; 165:12, 15, 18; 166:1, 2, 5, 6, 7, 8, 15, 22; 171:24; 175:5, 8, 11, 12, 16, 19; 176:2, 6, 10, 12, 14, 15, 23; 177:3, 4, 6, 9, 20, 22, 24, 25; 178:5, 6, 8, 14, 15, 17, 22; 179:2; 180:22, 25; 181:7, 9, 11, 13, 16, 22, 25; 182:1, 2, 8, 12, 19, 22; 183:1, 4, 22; 184:4, 12, 16, 18, 25; 185:3, 5, 8, 12, 23; 186:8, 9, 14, 20, 22; 187:9, 15, 18; 188:13, 22; 189:1, 4, 6, 10, 18; 204:2, 4, 13, 19, 23; 205:6, 14

draft 70:25
drag 146:20
dramatic 140:13
dramatically 43:16; 145:12
drawn 93:10
Drennen 92:10
drift 132:22, 23
drifts 132:24
drink 135:1
drivers 118:21
driving 105:7; 142:5; 205:9
drop 116:10; 117:2
drops 114:3
Drug 4:18; 7:18; 11:16, 25; 71:19; 104:3; 194:6
drugs 152:17; 192:7, 8; 194:9, 12
dry 74:2
dry-run 201:21; 203:7
dryer 74:4, 6; 75:6; 76:22; 159:17; 197:19
78:4

duration 168:16; 172:18
during 22:8; 32:8, 14; 40:23; 42:14; 44:1; 49:25; 50:17; 57:20, 22; 71:22;

103:14; 111:14; 112:25; 145:18, 20; 146:2; 147:9; 156:18, 19, 23; 157:2; 183:14

duties 12:16
dynamic 17:12, 22

E

e.g 163:24
earlier 44:19; 64:11; 66:13; 72:17; 94:19; 103:20, 23; 125:19; 133:19; 159:9; 166:24
early 14:8; 134:14; 144:23; 187:4; 189:14; 197:20; 198:2; 205:9
Earth 123:25
easier 19:18
easily 140:1; 179:23
easy 58:20
economic-related 111:9
Edit 99:3, 4
edits 99:6
educating 187:23
education 8:23; 47:21; 50:22, 23; 65:12, 12; 172:22
effect 58:4; 134:4; 205:18
effective 180:4
effectively 139:16
efficacious 194:18
efficacy 25:21, 23; 170:11; 180:10; 191:8; 194:14, 17
efficiencies 189:12
efficiency 70:22; 191:7; 193:11, 13
efficient 73:17; 203:9
effort 133:17
efforts 14:5
Efraim 5:18; 7:14
eight 173:20
either 69:18; 74:2; 109:24; 130:10; 132:23; 158:11; 163:19; 187:13; 189:2; 205:12
electricity 107:20
electronic 126:11; 134:1
electronically 18:7; 20:2, 3; 126:10
Electronics 8:7
elegant 47:19
element 32:25; 169:4; 170:16
elements 10:4; 168:12; 169:15, 19; 171:13
Eli 7:7
ELLSWORTH 8:12, 12; 107:23; 111:24
else 24:3; 30:21; 31:13; 40:9; 43:22; 46:16; 48:12; 52:13; 71:10; 82:8; 88:17; 95:15; 124:10; 127:24;

128:21; 152:20; 155:19; 185:4; 189:8; 204:23; 205:13
elsewhere 164:22
emerged 191:24
emerging 167:18; 197:15
Emil 8:11
emotional 189:20
emphasis 200:6
emphasize 8:21
emphasized 49:7; 169:16; 200:9, 12
empirical 192:11, 16
empirical-based 192:13
empirically 54:2; 55:3
employ 171:4
employed 173:10
employees 4:20
employing 169:24
employment 47:5
empowering 51:22
encompassed 170:25; 176:24
encompasses 42:4
encourage 67:14; 68:6; 69:6; 150:15, 16
encouragement 67:5
encouraging 51:22; 67:7; 150:21
end 11:1; 13:16; 21:5; 27:7; 31:11, 12; 36:3; 49:20, 24; 52:1; 58:9; 60:1, 2; 83:2; 86:18; 92:7; 103:15, 16, 19; 173:6; 185:13; 189:13, 19; 205:14
end-product 105:16; 157:7; 158:12, 16; 160:24; 161:3; 162:9; 164:6; 196:11
end-product—I'm 196:13
end-stage 44:16, 23; 144:21
ended 14:24
endpoint 38:16; 49:13; 50:12, 15; 57:7, 13; 75:11; 76:22; 144:13, 13, 15; 184:13
endpoints 66:8
endproduct 9:22; 25:1; 45:6, 9, 20
energy 133:17
engineer 83:6
engineering 35:20; 168:8; 186:11
enjoy 137:14
enlighten 116:14
enlightened 116:15
enmity 88:25
enough 27:18; 42:17; 48:18; 52:5; 94:22; 111:22; 116:7; 123:24, 25; 139:2; 161:21; 193:15

Enrico 168:1
ensure 9:21; 119:1; 120:18; 163:13; 180:19; 183:20
ensuring 183:10
enter 121:4
entirely 21:10; 29:19; 122:23
environment 125:3, 4; 132:13; 138:4; 159:13, 13
envisage 177:11
envisioned 176:23
equally 142:20; 171:14
equals 129:23
equation 200:24, 25
equipment 18:23; 41:12, 14; 43:6; 93:3; 99:9; 107:19; 132:14; 137:7, 9; 144:10; 155:7; 159:14, 16; 165:13, 14, 17; 176:18, 22; 177:5; 178:2, 19; 193:1
equivalence 91:3
equivalency 157:13
equivalent 50:11; 161:1, 4, 5, 6
error 49:2; 100:13; 192:3, 17
especially 61:14; 75:7; 85:18; 111:8; 141:12; 192:19; 201:18
essential 140:8; 195:16
essentially 11:17, 19, 20, 22; 27:14; 73:16, 20; 76:16; 101:20; 151:3; 167:11; 174:3; 186:11; 192:15; 196:3; 202:1, 23; 203:5
establish 11:17; 20:12; 58:22; 140:24; 198:17; 199:1
established 109:10; 111:7; 149:18; 164:9
establishing 28:3; 58:25
establishments 194:25
estimated 134:20
et 25:17; 30:4; 54:17; 76:24, 24, 24; 77:23; 83:8; 93:4; 179:21; 180:11
ethernet 76:11
ethernetted 76:6
Europe 87:23
Eva 8:4; 170:22; 182:13, 14
evaluate 6:1; 167:17
evaluated 35:2; 173:12
evaluating 10:9
evaluation 173:3; 174:5; 185:13, 16, 25; 186:13
evaluations 169:23
even 4:16; 15:23; 18:20; 24:24; 27:10, 24; 29:6; 44:5; 46:24; 57:3, 12; 61:21; 70:1; 102:20; 103:16; 110:8; 111:6, 20; 112:1; 129:24; 138:2;

140:5; 152:16; 169:1; 177:14; 203:18
event 6:11
eventually 109:19; 122:3; 174:1
eventually—or 59:13
everybody 13:19; 19:18; 61:22; 64:2; 72:21; 74:21, 25; 81:3, 9; 93:12; 97:24; 133:16; 170:4; 190:10
everybody's 39:16
everybody—okay 68:18
everyone 12:23; 76:20; 95:21
everyone's 147:23
everywhere 56:2; 103:18
evolutionary 148:9
evolve 85:19; 155:2
evolves 152:11
exact 53:11, 12
exactly 36:2; 49:22; 53:19; 70:23; 154:19; 178:17; 180:22
exam 98:2
examine 71:5
example 8:25; 19:14; 39:23; 49:13; 52:16, 17; 53:19; 65:20; 66:3; 69:11; 98:9; 100:4; 106:5, 11, 11, 21; 108:1, 8; 110:2, 17; 111:3, 14; 117:16, 19; 132:20; 157:14, 18, 23; 160:15; 178:9, 9; 204:17
examples 60:14; 66:25; 126:18; 144:7; 150:5; 168:20; 173:5, 7, 8; 202:4
excellent 22:12
except 77:2
exception 63:10; 163:4
exceptionally 180:6
exceptions 62:13, 24; 63:1
exchange 137:7
excipients 143:9; 192:20
excited 146:6
exclusion 6:15
excruciating 142:2
Excuse 19:1, 2; 98:4; 99:25; 200:22
execution 82:11
Executive 7:1
exemption 112:15
exercise 53:13; 70:18; 201:21; 203:8
exist 54:10; 99:16; 103:25
existence 113:15; 187:25
existing 17:2; 26:17, 22; 62:6; 89:23; 90:24; 93:6, 6, 7, 8; 100:19, 24; 132:13; 149:1; 157:10; 199:12
exists 95:25; 101:5, 12; 154:2, 10; 188:12

exit 75:9
exotic 188:9
expand 90:7, 11
expanded 167:11
expect 39:12; 58:4;
59:19; 93:3; 114:11;
139:18; 148:19; 149:7;
158:6; 159:5; 189:22;
192:17
expectation 58:8
expectations 147:16
expected 167:21
expecting—we 58:10
expeditious 94:21
expensive 194:14
experience 28:15; 58:16;
85:7; 89:25; 123:21, 22;
132:19; 172:23; 174:15,
16; 178:24; 204:16
experimental 19:14;
91:11
experiments 192:3, 4
Expert 197:22
expertise 197:24; 204:22
experts 137:19; 202:24
explain 106:5; 147:24
explicit 98:17
exponential 146:14
exposed 174:19
expressed 202:18;
203:11
exquisite 150:5
extend 175:25
extended 127:19
extending 183:16
extensive 131:1
extent 73:21; 101:20;
111:18; 123:11, 14;
130:19; 164:12; 174:19
external 42:6, 20; 164:21
extra 138:5; 153:5
extracting 183:18
extraction 182:4
extremely 10:4; 195:24;
204:10

F

F 7:14
facilitate 11:25; 13:21;
164:13; 165:3
facilitates 162:15
facilities 174:13
facility 73:24; 93:8
fact 10:24; 15:16, 22;
34:21; 35:5, 14; 44:15;
49:18; 57:4; 86:11;
162:23; 168:22; 190:12;
205:8
factor 192:2
factors 193:2
fail 35:8; 57:21; 201:9
failed 28:1; 57:19; 58:1;

162:24; 163:5
fails 121:7
failure 57:16, 18; 162:22
failure—you 162:21
failures 58:6; 124:14, 15
fair 169:18; 176:10
fairly 96:8; 100:9; 172:5
fairness 6:17
faith 15:20; 118:17;
190:16
faithfully—both 167:4
fall 52:16; 53:5; 67:4;
84:8; 108:19; 114:18;
170:16; 187:11
familiar 23:10; 32:4;
170:5
FAMULARE 54:14; 56:9;
70:23; 107:15; 109:22;
110:15, 22, 25; 112:17;
154:7
far 24:25; 28:13; 80:22;
83:15; 90:18; 192:7, 7;
198:8; 201:5
faster 19:21
fault 19:2
FDA 5:13; 6:13; 7:21;
8:13, 14; 10:23; 13:6, 16;
27:22; 39:2; 48:7, 15; 50:9;
58:5, 21; 70:19, 24; 93:22;
95:8; 96:15, 20; 106:20;
112:3, 20; 113:4; 134:4;
150:15; 152:14, 15, 20;
159:3; 164:13; 178:23;
180:5; 190:18; 193:4;
194:23, 23; 199:18;
200:18, 20, 23; 201:2
FDA's 5:23; 25:24
fear 11:2; 56:20
fears 69:4; 137:25
features 170:9
February 21:23; 22:1;
60:23
feedback 177:8
feel 41:14; 47:17; 71:5;
180:11
feel-good 47:24; 48:23
feeling 51:17; 201:12
feelings 39:17
feet 146:20
felt 28:24; 165:14; 195:7
Fermi 168:1
few 26:13; 32:18; 81:24;
142:17; 146:13; 182:9;
191:3
field 31:24; 129:7; 137:20
figure 185:13
figured 65:15
file 160:17
file—you 160:16
filed 106:20; 107:6;
110:18; 111:12; 112:19;
113:24
filing 115:18; 160:14;
184:9

filings 114:17
fill 172:13; 181:14
filling 117:18; 182:6
filters 108:3
final 75:21; 87:21; 116:3;
157:3; 159:17; 163:22;
169:23; 174:8
finalize 198:12
finalizing 187:5
finally 44:22; 48:13;
164:12; 165:5
financial 5:8; 6:13, 18
find 28:2; 38:3; 48:20;
69:20; 81:11; 84:20;
90:17; 123:19; 138:4, 12;
146:23; 149:8; 158:4;
183:23; 186:12; 199:25
finding—that 50:14
fine 14:19; 62:1; 117:2
finger 116:18
fingerprint 143:16, 18;
159:25; 160:2, 3; 164:3
fingerprinting 143:15
fingerprints 66:3; 160:1;
170:22
finish 14:8; 88:19
finished 40:25; 69:13;
154:18; 174:18
fired 33:11
firm 6:3, 19
firms 6:12
firms—in 96:21
first 16:21; 17:1; 19:24;
25:6; 26:10, 15; 28:16;
38:4; 41:24; 47:11; 48:4;
60:22; 66:13; 72:10; 75:3;
78:3; 92:16; 94:18; 95:22;
97:16; 111:3; 113:13;
119:7, 15, 16; 124:4;
126:16; 137:14; 138:12;
139:7; 144:24; 156:8;
175:6; 178:1; 185:17;
188:3; 189:5, 21, 22;
190:8; 197:2; 199:6
fit 18:25; 20:22; 29:23;
55:17; 59:3
fits 76:1; 86:12; 142:4
five 89:24, 25; 167:21;
197:24
fix 109:15; 124:5
fixed 41:25; 121:21, 22,
25, 25; 144:6
flat 123:25
flat-lines 184:10
flaws 190:9, 9, 9
fleece 154:22
flesh 38:18
fleshed 184:5
flexible 56:14
flights 165:16
floor 72:24
flow 56:4; 174:10
flowability 117:17
fluff 134:6

fluid 74:4, 6; 75:6
flunk 98:3
fly 69:14; 88:7
focus 9:5; 10:10; 22:15,
19; 50:20; 51:7; 54:22;
63:7; 156:9, 11; 199:18;
203:7
focused 13:22; 24:7
folks 69:7; 73:2, 5; 195:1;
204:20
follow 55:4; 89:16; 95:1;
146:16; 153:16; 154:13,
16; 168:18, 19; 184:23, 24
followed 33:2; 121:17;
122:6; 173:17
following 4:13, 19; 37:10
fonts 99:7
Food 4:18; 7:18; 66:5;
81:17; 204:16
footnote 48:12
for—see 117:16
forbid 177:10
fore 187:20
forever 128:5
forget 151:19
form 43:17; 48:10; 147:9,
10; 170:3
formal 111:11, 13; 113:1,
6; 180:2; 181:1
formalize 112:12
format 11:13; 134:1;
185:16
formed 106:16
forming 169:7
forms 106:16; 147:3
formulate 15:14
formulation 75:13;
163:14; 185:6; 191:21
formulations 191:25
forth 11:1, 20; 12:7;
14:17; 52:19, 21; 55:3;
68:1; 103:19; 104:20;
130:18; 153:3; 165:23;
166:11; 178:13; 191:25;
193:16; 197:10; 202:22
fortunate 201:6
forward 13:24; 15:20;
30:19; 40:3, 19; 44:4;
58:14, 23; 61:24; 64:24;
93:23, 25; 102:20; 106:19;
113:20; 137:21; 139:5;
147:15; 148:2; 151:12;
195:13; 199:24; 201:9
found 69:17; 201:6
foundation 30:24; 31:11;
41:4, 9; 194:16
four 75:2; 138:19; 194:11;
197:24
fraction 170:3
fractured 111:14
frame 9:4; 72:17
framework 33:4; 55:25
frameworks 9:14
fraud 13:8

free 71:5
Freedom 4:25
frequency 133:14
frequently 130:23
front 94:24; 145:16
fuel 13:4
full 72:20; 84:24; 88:3
full-time 92:5
fully 28:12; 30:20; 32:13
fun 118:8
function 12:19; 107:18
functionalities 78:11
functionality 82:5;
192:21
fundamental 95:11
fundamentals 167:20
funny 158:20
further 57:12; 98:8, 15;
110:15; 165:9; 183:16
future 36:8; 43:20; 56:16;
71:9; 73:4; 145:23; 165:7

G

G 7:14
gain 89:2; 114:22;
156:19; 204:15
gained 8:16; 85:7, 14
game 84:12; 100:5
gaps 172:13
Gary 48:2, 5; 49:5; 53:11;
205:11
gate 91:6
gather 23:15; 126:20
gathered 22:7; 85:7
gathering 59:8
gauge 26:11
gave 53:19
general 4:9, 19; 5:9, 9,
15; 9:11, 13; 10:14, 15;
12:4; 21:20; 22:25; 23:19;
26:11; 61:1; 63:3, 5, 8;
66:6; 68:8; 79:18; 106:2, 5;
122:18; 131:14; 133:5;
137:22; 143:10; 148:18,
20; 151:22; 153:11;
166:18; 168:22; 201:17;
202:16, 20, 22; 203:1
generalities 68:24
generally 68:3; 104:14;
128:12; 144:5, 22; 151:25;
152:3; 165:24; 193:3
generate 102:10; 142:19;
153:25
generated 173:5
generating 35:1
Germany 73:23
gets 15:9; 76:1; 129:1, 21;
130:5; 160:19; 163:21;
189:16
given 81:13, 17; 83:11;
88:10; 98:8; 131:16;
132:12; 172:22; 185:9

gives 51:22; 66:4; 140:17; 189:24
giving 114:2; 115:15
gl 115:11; 119:4; 175:2; 203:25
global 165:5
globe 50:25
Gloria 7:14
glossary 164:15
GMP 9:20; 55:4; 106:25; 107:2, 3; 108:9; 109:25; 113:23; 114:18; 126:6; 132:13; 154:14; 192:13, 14; 195:22; 198:3
GMPs 9:21; 10:2; 54:15, 16, 20; 56:13, 15; 192:16
goal 29:2; 31:15; 33:18; 154:25
goals 199:10
God 146:10
goes 43:2, 14; 50:21; 65:11; 75:4; 78:19; 98:15; 112:11; 121:16; 122:15, 24; 137:15; 149:17; 180:10
golden 154:22
Good 6:25; 7:3; 8:17; 9:21; 14:18; 15:15; 20:3; 22:4; 24:2; 25:16; 26:2, 2; 31:11; 32:15; 34:4; 36:1; 39:20; 43:11; 44:10; 47:3, 15, 24; 51:2, 19; 59:22, 22; 70:2; 84:19; 87:12, 13, 15; 88:15; 89:24; 91:24; 100:6, 11; 103:1; 108:8; 109:20; 111:13; 120:17; 124:6; 126:3; 128:9, 9; 129:8; 134:9; 137:11; 147:23; 149:15; 151:16; 152:19; 153:9; 158:24; 159:1; 162:14; 167:8, 14; 175:7; 178:21; 180:6, 18; 181:25; 184:5; 185:11; 188:11; 189:6; 190:12, 22, 23; 204:13
Government 4:20; 150:20
gracious 94:22
gradually 79:6
grants 6:9
granulation 74:2, 3, 3; 124:1; 157:16; 184:8
granulator 74:4, 6; 177:13, 14
grave 74:18
gravinometric 139:3
gray 28:7
great 137:22; 174:25
greater 32:4, 5; 49:3
test 155:11
up 8:24; 9:9; 14:16, 22; 37:21; 53:12; 63:7; 72:20; 96:14; 98:6; 135:3; 150:23; 151:10, 23; 163:11; 165:20; 166:3, 24;

167:10; 187:19; 188:16; 197:23; 202:6; 203:4, 7, 16
group's 62:25; 63:1
group--this 173:21
grouped 186:19
groups 8:17; 14:1, 4; 188:18
groups--same 14:2
growing 21:8
guarantees 45:10
guess 34:8; 47:11; 58:21; 70:18; 89:4; 108:5; 112:7; 126:21; 129:1; 131:6; 149:24; 152:7, 13; 177:9; 188:2
guests 5:23
guidance 9:11, 13; 10:14; 12:4; 22:25; 23:18; 28:19; 29:14; 52:2; 60:25; 63:9; 66:4, 24; 67:15; 68:9; 69:2; 70:25; 71:4; 85:18; 86:1, 4; 112:3, 7, 21; 114:14, 25; 115:5; 123:3, 3; 129:5; 130:3, 19, 24; 131:13; 133:6; 134:3, 10; 141:5; 147:15; 148:14; 149:2; 151:6; 152:9, 12, 14; 155:1; 160:5; 161:8, 9, 14; 164:14; 165:6; 197:3; 202:16, 21; 203:1
guidance--and 67:6
guidances 23:12, 13; 63:3, 5; 133:11
guidances--what 9:12
guideline 15:14, 19; 29:4; 40:14; 48:15; 51:13; 52:2; 66:4; 77:14; 89:16; 109:20; 142:8; 143:3
guidelines 31:12; 51:16; 52:16; 53:2, 7; 62:6; 131:7; 134:3, 10; 139:6; 148:20, 21, 24; 155:1
guiding 95:3, 14; 96:15; 197:15, 18
guys 59:24; 65:2; 106:6

H

H.G 73:19; 94:13
Ha 139:11, 11; 149:16
ha-ha's 125:12
HACCP 25:25
had--you 20:1
HALE 8:6, 6, 6; 41:3; 55:5; 81:5; 85:5; 94:25; 155:3; 184:14
half 21:24; 124:4; 128:24
Half-day 184:18, 18
hammer 49:1
hand 5:9; 13:17; 86:21; 167:9; 191:3
handful 72:19
handle 67:20; 77:8; 103:6; 110:20; 120:10; 123:19; 202:19; 204:21

handled 163:11
handling 70:25; 168:8; 170:2; 174:16
handling--this 170:14
handout 94:18; 97:17
hands 77:16; 127:9; 149:11
hands-on 174:15, 16, 25; 178:24; 179:12
hang 55:20; 60:9
happen 46:17; 71:9; 72:17; 95:13; 120:20; 147:19, 20; 161:16; 200:20; 203:8, 21
happened 48:5; 79:1; 180:5; 183:2
happening 70:20; 74:17; 80:2, 20; 93:18; 203:6
happens 40:5; 46:6, 7; 70:16; 121:16; 193:20
happy 81:4; 93:12; 100:7; 146:4
happy--yes 100:7
harbor 112:11; 113:1; 149:13; 199:14
hard 45:1; 113:13
harder 193:18, 18
hardware 34:24
harmonization 165:6
have--and 83:23
have--are 12:20
have--David 178:8
have--he's 24:3
have--maintain 132:14
have--some 140:11
have--these 78:10
hazardous 123:15
head 73:7; 154:9
headed 147:13
headings 175:22
Health 7:21; 194:5
hear 51:14; 55:7; 74:21, 23, 25; 100:8; 105:7; 205:4
heard 25:18; 64:13; 65:16; 83:1; 130:10; 164:15; 170:20
hearing 165:11
heart 147:23; 169:5
heaven 177:10
Heisenberg 129:11
held 113:22
helm 15:1
help 9:4; 24:25; 30:18; 51:12; 65:1; 83:14; 141:5; 149:2; 192:23; 197:13
help--although 201:1
helped 156:8; 167:14
helpful 10:13; 52:13; 68:10; 161:13; 164:25
helpful--tablets 161:12
helping 18:19
helps 46:18
heuristic 29:15

hey 49:23
hiding 16:1, 2; 151:12
high 52:22; 191:12; 194:4; 199:19
higher 68:3; 197:9
highlights 96:11
highs 189:20
hindrance 193:8
hinge 110:5
historical 161:22
history 13:6; 82:21; 139:1
hit 13:4; 154:9
hold 134:24; 175:11, 16; 198:10; 203:11
holding 194:12
holds 11:9
holistic 27:4; 76:8; 85:25; 155:12; 179:21
holistically 74:16
home 103:6; 165:16; 172:10; 205:21
homework 173:6; 174:2; 185:25; 186:13
honest 48:18; 93:21; 134:13
hooked 178:2
hope 9:1; 11:12; 56:14; 64:1; 95:21; 97:10; 101:15; 139:5; 146:21; 177:16; 189:24; 196:8, 24; 199:21; 200:17
hopefully 26:20; 59:14; 138:8; 174:18; 184:6; 195:13; 197:11; 201:7
hoping 14:13; 137:2; 138:23; 143:15; 155:2; 196:7; 197:12
horns 141:17
Horrible 99:8
horse 109:21
hot 87:24; 88:1
hour 88:9; 121:22; 135:1
hours 173:18, 20; 185:7; 189:14
How's 98:25; 101:3; 116:17
how--as 85:20
how--where 153:6
Howard 6:6; 8:7; 53:11, 19; 122:25; 132:25
Howard's 124:8
HPE 82:10
HPLC 47:4; 48:1, 7, 25; 61:17, 18; 65:2; 78:18; 80:5; 102:13; 139:1; 157:12; 180:15
huge 9:24
humor 205:17
hurdle 200:19, 21
HUSSAIN 8:14, 14, 22; 116:20; 152:22; 154:13; 165:18; 166:2, 6, 8; 178:8, 15; 184:25; 189:18;

204:19; 205:6
hybrid 173:14

I

i.e 50:4; 54:6
IBC 75:8
ICH 23:13; 52:7, 19; 54:4, 15; 165:6
ID 167:25
idea 84:5; 85:15; 99:21; 112:11; 173:10; 189:6
ideal 11:6
ideas 112:12; 173:15
identical 100:1
identification 32:25; 33:1; 169:17
identified 101:12; 163:15; 169:14; 171:11, 22; 180:20; 202:8
identify 30:4; 81:13; 162:7; 198:2
II 11:1
III 191:5; 194:8
ill-founded 10:23
imagine 11:16; 29:10; 57:12
imaging 175:24; 176:1, 8
immediate 81:10
immediately 14:14; 71:15; 171:10
immensely 137:14
impact 5:10; 54:25; 88:21; 167:20; 169:17
impacted 170:8
impart 67:19
imperative 59:4
impinge 19:13
implementation 29:5, 16; 59:22; 60:4; 61:2; 78:1; 106:23; 113:3; 155:15; 160:18, 19
implement--maybe 28:20
implementation 37:8; 143:19; 160:13, 20; 171:11
implementations 11:12; 168:7
implemented 28:25; 131:23
implementing 28:15; 29:3; 31:22
implications 169:10
implicit 98:16; 124:20
implies 119:25
importance 167:20; 169:8
important 9:10; 27:20, 22; 34:5; 35:7; 70:20; 73:6, 16, 24; 92:18; 94:5; 102:13; 123:10; 125:11; 142:21, 22; 150:4; 156:11, 22, 25; 157:1; 159:11;

182:25; 188:1, 11, 12;
195:24; 202:13
importantly 118:15
imported 123:20
impossible 53:3
improve 70:21; 82:12;
150:16; 193:21
improved 16:25; 193:10
improvement 17:22;
57:1; 196:6; 197:1
improvements 138:6
in--would 14:11
in-depth 169:1
in-line 29:11, 12; 164:17;
170:12; 183:17
In-process 105:19;
121:3; 126:22, 25; 127:1;
144:11; 147:2, 8; 161:16;
181:17
in-vessel 126:15, 17, 21
inability 196:4
inappropriate 18:2;
65:7; 177:16
inappropriate--it's
178:12
Inaudible 99:1; 110:24;
171:23; 184:11
incentives 188:8
include 10:15; 52:13;
62:5; 98:9; 139:6, 7; 161:8;
164:23; 167:12; 168:19;
169:18; 170:6; 173:21;
175:25; 185:18
included 67:1, 6, 14;
114:13; 129:5; 141:5;
142:8; 143:2; 171:17;
174:2; 175:14, 21; 176:12;
187:19
includes 171:18, 19
including 34:18; 164:17;
167:21; 181:24
including--Sonja 170:22
inclusive 172:12; 176:4
inconsistent 138:1
incorporate 68:8; 103:22
Incorporated 6:3, 7;
202:16
increase 43:12; 153:8;
194:23; 195:8
increase--you 152:25
increased 67:18; 70:14;
85:14; 114:20; 146:14;
153:1; 200:6
increasing 195:1
indeed 18:2; 19:8; 58:25;
162:13
independent 8:8; 198:19
index 37:2
India 190:13
indicated 165:1; 200:16
indicates 38:20
indirect 36:22; 163:24
individual 87:20; 123:6;
141:9, 10; 174:12

individually 19:8, 12;
158:11; 163:20
individuals 197:24
industrial 5:6; 146:15
industries 6:5; 123:12,
19; 124:21
industry 5:19, 21; 13:7;
27:23; 30:17; 50:24;
51:19, 20; 54:12; 58:5, 13;
67:7, 13; 68:6; 69:4; 93:17,
23, 24; 95:12; 115:15;
137:22; 138:6; 141:6;
142:9; 150:18, 25; 164:22;
180:6; 185:21; 187:22;
188:6, 18; 197:21; 200:13,
14, 23, 24; 202:3; 204:16;
205:18
industry's 13:9; 150:17
inevitably 35:8
infer 17:11; 42:15, 18;
145:19
inferring 119:7
informatics 170:24
information 4:25; 10:8;
22:7; 23:15; 24:12; 35:23;
36:1; 37:11, 16, 22; 52:4,
6; 59:9; 66:23; 71:8; 79:15;
85:6; 91:16; 93:18; 94:1;
98:14, 23; 100:20; 102:5,
17; 107:11, 12, 12; 108:25;
111:22; 112:24, 25; 114:3;
115:1, 7; 125:2, 6; 137:10,
11; 139:7, 21; 142:21, 23;
143:20, 23, 24; 151:11;
160:7; 161:1; 162:15;
163:23; 164:11; 190:2;
192:5; 193:3; 199:1;
201:25; 202:15
information--keeping
9:12
information-only-type
112:16
informing 161:2
infusion 71:19
ingredient 36:21; 39:23,
25; 40:1; 69:12; 143:8, 9;
150:6
ingredients 40:9, 10
inherently 148:6
initial 80:11; 126:8;
127:18; 128:5; 130:22;
145:20; 173:24
initialations 126:12
initialator 126:14
initiate 126:11
initiative 190:19; 201:4
initiator 88:25
innovation 11:7; 88:21
input 23:18
inside 73:7; 89:6; 115:20
insist 145:1
insists 104:13
inspect 195:3
inspection 11:11; 12:17;
195:2; 198:5, 5; 199:16,
20; 201:22

inspector 81:24; 198:3
inspectors 9:23; 31:24;
129:7; 198:1; 202:8
instance 45:23; 60:15;
62:19; 63:17; 83:2; 173:16
instances 166:17
instead 43:9; 56:3; 57:5;
103:14; 117:24; 157:12;
173:18
institute 95:8
institutions 5:6, 10; 89:1
instruct 142:10
instruction 174:4
instructional 115:23;
117:13
instructive 143:16
instructor 98:1; 175:9
instructors 173:12, 22
instrument 22:21; 24:21;
35:7, 8, 9; 102:18; 118:14;
131:7; 162:21, 22
instrumental 168:3
integrity 13:10; 34:17;
35:4, 11
intellectual 94:9
intend 90:22; 133:17
intended 9:16; 21:19;
22:16, 18; 23:3, 4; 29:23;
32:23; 66:21; 100:24;
102:9, 23; 130:6; 148:15;
157:5; 158:10
intended-purpose
66:15
intended-use 31:6
intensive 172:5
intent 114:4; 188:23
intention 115:17
interactive 156:1
interest 4:14; 5:11, 14,
22; 6:14, 17; 100:15;
120:14, 19; 134:12;
175:14; 203:11, 15
interested 133:22;
150:20; 164:23; 192:25
interesting 46:11; 47:1;
158:3; 179:18; 180:8;
185:12
interestingly 70:6
interests 5:8, 24; 134:11
interface 159:15; 176:21
interfaced 177:13;
178:20
interfaces 177:7
interfacing 177:25
interfering 149:10
interim 11:17, 21; 45:8;
198:6
interlopers 96:24
intermediary 188:16
internal 68:15; 150:14;
164:20; 204:9
internally 71:4
interpret 37:20, 21;
143:24; 173:11

intervals 130:14, 25;
131:2
interventionality--and
143:12
into 19:6, 10; 23:18, 19,
20; 27:1; 40:23; 41:16;
53:5; 55:17; 59:9; 60:8, 21;
61:4; 62:18; 63:20; 64:18;
65:17; 67:4, 14; 74:7; 75:4;
76:11; 77:16; 78:20; 79:5;
83:11; 86:1, 3, 22; 87:22,
22, 23; 92:12; 96:4;
103:12; 108:19; 109:19;
114:13; 118:24; 120:25;
121:4; 123:20; 124:18;
129:1, 1; 131:24; 134:4;
139:10; 140:19; 144:1;
149:8; 159:19; 160:18;
162:5; 166:16, 18; 179:4,
22, 23; 183:14, 17; 187:2;
193:22
introduce 6:23; 199:11
introduced 171:8
introduction 197:20
introductions 95:6
introductory 15:25
intrusive 47:20
invariably 17:3
invent 89:18
invest 11:14
investigate 70:9; 104:24
investigating 169:11
investigation 67:21;
68:13; 104:19; 162:16
investigational 115:16;
116:2
investigations 67:25
investigator 115:25;
178:23
investigators 167:2, 13;
168:24; 169:5, 15; 172:24
invitation 205:12
invite 202:24
invited 5:23
involve 5:5; 6:11; 92:3, 4;
98:5
involved 31:23; 37:3;
68:15; 91:11; 150:21;
198:18; 204:20
involvement 6:14, 18;
164:13
IQ 171:16; 182:20
IQs 41:8
IR 40:9; 160:2
irrelevant 179:24
irrespective 65:6
is--a 174:9
is--I 176:6
is--make 87:15
is--might 179:19
is--well 84:25
isolated 74:13, 14
isolation 94:10
issue 4:14; 16:21; 35:17;
45:22; 78:22; 85:20;

121:1; 145:16; 155:10;
163:11; 164:14; 188:2;
192:22, 23; 204:18
issues 5:2, 3, 5; 13:10,
11; 17:4; 21:21; 54:21, 23;
76:17; 78:24; 94:17;
96:10; 97:17; 109:19;
123:14; 159:14, 14; 169:9;
170:10; 191:7; 198:3;
201:18; 202:14; 203:2
it--a 110:10
it--I 21:11
it--wait 185:23
italicized 106:1
Italics 99:2
item 96:25; 97:16; 156:9;
186:17
items 97:21; 187:11

J

Jack 128:17
James 6:24, 25; 7:1
Janet 54:1, 22; 192:12
jar 87:23
Jerry 7:11; 18:23; 24:4;
31:1; 39:8; 97:2
Jerry's 18:25; 20:21; 34:5
Jersey 86:23
Jim 92:10
job 39:19; 59:21; 77:15;
109:20; 122:22; 123:5, 7;
128:18; 144:25; 145:2;
153:4, 9; 172:4; 203:9
jobs 152:24
Joe 54:10; 57:11; 108:10;
110:8
John 6:24, 25; 7:3
joined 194:10
journey 21:13
Jozef 7:9
judge 124:9
judgment 110:12
Judy 7:22; 137:5; 155:22;
165:12; 187:19
Judy's 169:13
jump 94:25; 119:22
jumps 158:22
June 6:21
just--I 111:2
just--you 42:12
justified 166:18
justify 28:5; 156:10;
163:24
justifying 41:14

K

Kathleen 4:7; 7:18
keep 13:22, 24; 19:20;
59:5; 66:9; 73:9; 77:3, 11;
95:9; 108:5; 138:9, 23;
152:8; 186:14; 194:15;

199:24
keep—other 26:12
keeping 66:12; 141:25
key 190:3
key 179:3; 185:10
Ken 8:9; 24:6, 7, 14;
 28:12; 31:15; 41:5; 47:1, 7;
 49:12; 73:12; 124:21;
 126:3; 184:14; 189:10
Ken's 30:22
Kenneth 6:8
Kentucky 8:3
kept 122:2; 147:21
key 166:25; 169:4; 171:11
KF 132:20, 21
KIBBE 7:17, 17; 14:7, 13,
 16, 20, 25; 15:3; 18:6, 13,
 22; 19:2, 23; 20:1, 24;
 21:2, 14, 18; 23:25; 24:2,
 19; 25:14; 26:8; 30:21;
 31:13; 32:11; 33:8; 34:4;
 37:24; 39:14; 43:22, 24;
 45:18; 51:11; 65:13;
 68:11, 18; 71:10, 17; 72:1;
 85:4; 86:3; 88:17; 93:13;
 94:12; 95:15, 17, 20;
 96:18, 24; 97:7, 9, 12;
 98:13, 20; 99:2, 17, 22;
 100:2, 6; 101:3, 15;
 102:24; 103:5; 104:7;
 105:1, 23; 108:13; 109:13,
 17; 115:6; 116:6, 12;
 117:23; 118:2, 6;
 119:21, 25; 121:2;
 122:13; 124:10; 125:7, 24;
 126:5, 10, 23; 127:4, 7;
 128:9; 129:10; 133:16;
 134:16; 137:1, 5, 17;
 138:22; 152:14; 153:9;
 154:15; 155:19, 21;
 158:23; 159:3; 165:12;
 189:1, 10; 204:2, 23;
 205:14
kill 120:3, 7; 173:8
kilometric 79:5
Kimberly-Clark 7:12
kind 45:2; 55:5; 68:22;
 72:22; 108:16; 119:25;
 121:10; 129:16, 21;
 152:12; 157:20; 177:17;
 180:12; 182:10; 183:10;
 188:21; 189:12
kinds 39:17; 51:13;
 52:10, 12; 53:8; 59:2;
 139:7; 143:3; 157:9;
 161:7; 164:7; 165:3
knew 57:20; 76:10; 158:8
know—in-process
 126:24
knowing 38:5; 56:18
knower 59:10, 10,
 113; 85:14; 168:25
Koch 4:22; 7:24, 24;
 177:6, 20, 24; 181:9, 13,
 25; 182:2; 183:4; 186:3,
 22; 188:13; 189:4

L

lab 71:1; 102:22; 179:7
lab-based 153:1
Laboratories 5:18
laboratory 95:25;
 102:16; 113:17; 114:6;
 127:13; 128:1, 6; 130:15
Labs 7:14; 133:13
Lachman 6:2, 2
lady 82:9
laid 39:10; 167:7
language 12:4
large 63:23; 65:25, 25;
 73:21; 82:21; 102:15, 21,
 21; 159:22; 170:3
larger 96:21; 155:12
last 17:24; 26:14; 32:14;
 47:5; 67:7, 17; 92:19;
 95:18; 128:16, 23; 142:17;
 144:10; 146:19; 173:18;
 183:9; 188:11; 194:10;
 204:3, 5, 6
lasting 205:18
late 87:11
later 28:17; 48:17; 81:24;
 121:22; 198:13
Laughter 65:10; 89:21;
 115:9, 12; 117:8; 126:9;
 134:15; 137:4, 16; 138:21;
 158:19; 175:10; 182:15;
 183:8; 184:17; 185:2
laundry 34:12
law 134:3
layer 41:17
layers 41:7; 120:24;
 155:3
LAYLOFF 4:2; 6:22; 7:20,
 20; 8:15; 12:9; 14:10, 15,
 18, 21
lays 40:14
lead 95:5; 193:24; 201:5
leading 186:24
leads 194:6
lean 23:14
leap 171:7
leaping 155:21
learn 43:1; 56:5; 80:14;
 85:14; 91:21; 94:6; 111:8;
 113:18; 116:2
learned 83:7; 91:14, 24;
 185:15
learning 9:2; 67:22;
 70:18; 109:8; 111:6;
 114:20; 196:3, 22
least 34:14; 43:15; 44:11;
 55:22; 63:21, 24; 107:20;
 112:20; 146:7; 170:5;
 174:19; 179:8; 189:4;
 193:4; 194:10; 198:15;
 200:15; 202:11
least—if 63:23
leave 63:3
leaves 137:1; 154:18

lecturing 173:19
led 61:6
left 63:11; 122:15;
 138:15; 170:22; 187:6;
 201:14
Left-right 138:15, 17
legal 124:6
LEIPER 16:2; 18:12, 21,
 24; 19:3, 16, 22; 20:4;
 21:10; 24:1; 25:2, 15;
 29:19; 37:25; 38:24; 39:4;
 45:23; 46:7; 53:24; 58:10;
 64:3, 7, 10; 101:4, 13, 16;
 115:10; 123:9; 126:1;
 179:17; 180:24
lend 169:20
length 66:17; 67:21;
 144:10
lengthy 118:11
Leon 6:2
less 73:10; 110:10; 121:6;
 160:14
lesson 91:23
lessons 91:14, 17
letter 134:3
letting 118:12; 146:21
level 12:21; 31:24; 32:5,
 6; 33:6; 43:6, 7, 7, 16;
 67:18; 68:3; 70:14;
 113:22; 123:3; 129:20;
 160:25; 162:2; 165:23;
 178:1; 191:11, 12; 192:5;
 194:23; 195:8; 197:9;
 199:19
levels 82:17, 18; 119:2;
 145:7; 171:3; 172:22
LIF 60:16
life 17:20; 20:19; 25:4;
 43:11; 77:10; 134:23;
 137:15; 141:3
likely 66:25; 160:8
likewise 165:8
Lilly 7:7
limit 129:18; 134:25;
 173:25; 192:10
limitation 63:10
limitations 168:5
limited 9:22; 43:11;
 137:15; 160:8; 172:21;
 191:16; 193:3, 23; 194:24
limiting 18:2
limits 129:1, 3, 24
line 86:7; 102:16; 152:1;
 168:11; 184:7; 199:4, 12
lines 21:9; 90:23; 156:16;
 173:10
link 19:13; 164:5; 186:9;
 193:12
linked 193:11
liquids 58:25
list 20:22; 23:11; 34:5, 12;
 36:11; 39:22; 62:25;
 72:11; 95:4; 96:9; 116:14,
 21; 172:12; 175:18, 20;
 177:1; 179:16; 182:6, 11;

186:23; 187:16
list—next 37:7
listed 94:17; 97:18
listen 22:1; 72:2
listened 51:24
Listening 21:3
literally 195:20
literature 92:17
little 12:19; 21:2; 34:1;
 39:17; 41:10; 44:19;
 89:18, 22; 96:5; 100:8;
 105:4; 112:12; 124:7;
 126:22; 128:1, 5, 18;
 131:1; 137:1; 145:5;
 149:16; 150:1; 154:3, 24;
 158:5; 168:12; 172:6;
 173:13; 181:2
live 93:14; 116:16; 205:5
living 46:8
loaded 13:4
loading 137:5, 13
location 157:24; 178:11
LODDER 8:2, 2; 19:15,
 17, 25; 34:10
lofty 29:2
logic 32:24; 39:20; 89:20
logical 30:5, 8; 33:20
logistical 168:17
logistics 172:11
long 33:11; 43:3; 61:15;
 68:19; 78:13; 142:18;
 150:22; 190:13; 205:7
long-term 82:6; 130:11;
 131:4; 132:4; 133:8
longer 84:18
look 13:5, 10, 11; 19:19;
 28:14, 21; 30:7, 14; 34:25;
 35:21, 23; 39:22; 47:12;
 48:1; 52:10; 56:3; 59:2;
 60:2; 70:24; 74:16, 19;
 76:1; 77:17; 87:2, 8, 17,
 18; 88:3; 94:16; 110:3;
 113:4; 123:23; 133:18;
 138:3; 140:2; 142:11, 16;
 143:9; 144:11; 156:6, 23;
 157:6, 13, 16, 17, 21;
 159:23; 163:19; 165:5;
 191:2; 196:18, 19; 197:17
looked 25:12; 50:10;
 85:9; 87:19; 143:7;
 150:23; 156:9; 157:8;
 158:18; 159:6
looking 10:6; 12:8; 20:6;
 36:10, 11; 44:9; 45:3;
 49:15; 55:17; 57:5; 58:21;
 59:5, 8, 16; 66:2; 68:2;
 70:10; 84:22, 24; 85:1;
 86:24; 96:6; 109:12;
 112:14; 116:13; 117:10;
 125:10, 11, 13; 139:13, 25;
 142:9, 17; 143:14, 14;
 149:15; 156:13; 160:3, 6;
 164:16; 165:22; 174:16,
 22; 180:1; 186:14; 196:15
looks 45:10; 61:16, 21;
 70:24; 71:19; 86:18;
 115:21; 127:2; 168:1;

175:6; 187:7; 191:18
loosely 155:5
lose 69:9; 70:3; 145:4;
 166:21
losing 108:5; 145:2;
 153:4
lost 144:25
lot 11:7, 12; 16:12; 18:13;
 19:17; 25:18; 30:7; 32:14,
 15; 35:11; 46:20; 50:23;
 51:6; 54:23; 55:7, 8; 56:4,
 22; 57:3; 60:7; 70:12;
 76:14; 79:4, 14, 19; 86:14,
 17, 20; 87:6; 94:6; 103:16;
 105:17; 118:24; 130:12;
 139:22; 141:8; 155:10;
 161:23; 170:15; 171:2, 18;
 172:13, 18; 174:9; 179:20;
 185:8
lots 43:9; 55:9; 80:22;
 99:22; 121:6; 139:11;
 147:18; 160:10
love 65:6; 205:8
low 191:11; 193:13, 25;
 194:2
low-quality 191:1
lows 189:20
lukewarm 89:2
lukewarmly 145:13
lull 71:17
lumping 181:23
lunch 14:14; 133:22;
 134:14; 152:7; 172:4

M

Machiavelli 89:3; 94:13;
 145:10
machine 85:9; 117:18
machine—or 107:19
machines 118:4
MADSEN 33:13; 40:20;
 69:8; 122:9
mag 157:18
magically 34:11
magnitude 49:3
mahalonova's 47:9
mainstream 102:19
maintain 36:6
maintained 34:17; 35:4;
 193:16
maintaining 130:17;
 140:14
maintenance 130:11;
 131:4; 132:4; 133:8;
 159:16; 171:20; 177:23
major 23:5; 151:11;
 202:17
make—I 109:23
makes 54:4; 62:10;
 117:11, 12; 122:9
making 22:17; 30:24;
 66:1; 90:13; 103:15;
 105:5; 111:21; 119:5;

125:14; 146:6; 162:6; 167:3, 5; 178:6; 190:3; 198:22; 205:2 man 98:25; 100:6; 133:24; 146:16 manage 20:7; 26:6; 88:23; 140:21; 142:20; 180:3; 195:3 managed 180:21 Management 7:21; 36:5; 180:19 manages 180:16, 17 manner 30:5 manufacturability 26:21 manufacture 27:13; 42:1, 6, 15; 144:19; 145:19; 146:3; 147:9; 196:11, 12 manufactured 42:13; 88:7; 131:16, 18; 144:4, 6; 145:17; 146:25; 147:3 manufacturing 10:1; 24:11; 28:4; 42:8; 43:11; 45:21; 56:4; 82:11; 83:9; 84:3; 110:11; 139:9; 146:1; 147:7, 18; 154:21; 156:12, 15, 19, 22; 157:3; 159:7, 13, 21; 160:9, 22; 161:23; 178:25; 181:21, 22; 194:25 manufacturing--and 42:2 many 5:6, 10; 45:4, 7; 80:22; 88:4, 4, 9; 119:2, 2; 123:11; 158:21, 23; 165:19; 171:4; 186:15; 189:19; 197:16 march 150:13 Mark 6:6; 8:7, 7, 7; 52:14; 105:12; 121:10; 122:20; 130:8; 132:2, 9 Mark's 113:11 markers 46:9 marry 29:9 master's 185:1 match 46:16 material 53:1; 133:25; 154:17; 172:25 Materials 83:10; 132:23; 170:9; 172:14, 15; 192:19 matter 23:6; 84:25, 25; 104:11, 13; 113:23; 149:19 matters 4:9, 19 may 4:23; 5:8, 13; 6:19; 19:1, 15; 21:20; 28:17; 32:20; 33:7, 21; 40:25, 25; 54:25, 25; 55:1; 56:17; 67:19; 70:19; 71:9; 77:11; 94:5; 98:10, 10, 16; 99:12, 20; 100:1, 24, 24; 103:15; 104:23; 107:13, 18, 21; 108:2; 109:24; 110:9, 25; 111:7; 112:2, 10, 17; 130:24; 131:20, 22; 156:23; 159:23; 161:25; 162:10, 12; 163:4; 164:18;	166:5, 6, 7, 15, 17; 169:20, 20; 176:12; 184:2; 188:5, 21; 198:9, 18, 18; 199:6 maybe 14:9; 15:4; 27:24; 33:17, 24, 25; 37:11; 41:10; 62:1; 71:8, 18, 22; 88:20; 91:23; 101:10, 12; 103:16; 105:17; 107:16; 109:15; 110:2; 111:16, 25; 125:5; 132:2; 150:10; 154:3; 168:25; 173:9; 175:13; 176:4; 177:12; 179:25; 181:1; 184:1; 185:3; 204:6 Maybe--well 111:1 MCA 93:23 mean 13:2; 25:5; 40:16; 44:7; 50:18; 52:18; 56:11, 14; 61:25; 91:15, 17; 93:15; 99:14, 19; 107:11; 111:16; 114:3; 120:2, 6, 14; 125:9, 21; 127:21; 129:13; 164:18; 184:4, 6; 191:24; 198:10; 199:14 meaning 43:8 meaningless 86:16 means 34:15; 43:18; 55:8; 85:16; 105:16; 107:22; 119:1; 155:16 measure 17:13, 13; 24:22; 27:23; 36:22, 25; 38:10; 40:6, 10, 11; 54:9; 106:13, 13; 111:1; 120:15; 125:16; 140:4, 4, 6, 7; 148:22; 149:19; 163:3; 185:19 measured 17:14; 36:24; 122:1; 148:6 measurement 17:14, 17, 17, 19; 20:18; 23:7; 25:3, 11; 37:17; 39:13; 44:2; 46:15; 49:14; 50:4, 10, 12, 15; 57:14, 15, 16; 100:13; 104:24; 107:14; 111:22; 115:20; 128:25; 129:17, 23; 132:20, 21, 21; 140:9; 141:2; 142:1; 143:7, 21; 157:4, 25; 160:24; 169:25; 170:2, 6, 13; 181:15 measurements 17:3, 5, 11; 20:8; 22:17; 24:12, 15, 16; 25:7; 37:15; 44:1; 57:23; 66:8; 86:6; 108:5; 139:3; 140:22; 143:22; 144:22; 147:2; 163:24; 164:2, 4 measurements-- measure 103:14 measures 36:21; 139:24 measuring 23:22; 35:3, 15, 15, 16; 42:18, 23, 24; 103:23; 125:15; 150:7; 157:18 mechanism 95:7, 12; 103:22; 200:7 mechanisms 160:14; 200:4; 201:23 medicines 190:14	meet 53:3; 101:7, 17; 102:19; 200:18 meeting 4:6, 8, 15, 17; 5:2, 19; 14:9; 21:22; 60:22; 62:2; 189:19, 21, 23, 25; 199:2, 3, 6, 9, 10; 201:13, 14, 15; 202:6, 7, 13; 203:12, 23; 205:21, 22 meetings 10:25; 14:1; 40:16; 56:23; 137:14; 165:2; 168:18, 18; 197:21, 21; 198:2; 200:8 meets 101:8; 102:23 Mel 7:24; 176:25; 179:5; 181:2, 8; 185:10, 24; 186:2; 187:15 Mel's 170:14 member 5:12 members 5:7; 96:20; 150:25; 151:5; 156:1, 2; 165:9; 172:14; 202:2, 4 mention 181:19; 182:16 mentioned 114:16; 125:19; 131:3; 169:3; 183:5 mentioning 184:2 Merck 7:9; 96:8; 115:6, 10; 120:13 Merck's 120:9 merely 89:2 mess 90:19 message 188:2, 8 met 16:5; 21:25; 200:17 method 29:25; 33:19, 25; 36:12, 15, 17, 18; 38:2, 3, 4, 5, 8, 8, 17, 20, 21, 23; 39:13; 44:9; 45:10; 47:20; 53:17, 21; 59:6; 61:9, 10; 69:12; 94:16; 95:25; 96:2; 97:17; 98:5, 6, 11, 15, 18, 19; 99:12, 13, 15; 100:14, 19, 24; 101:5, 11, 19, 21, 22; 102:1, 3, 6, 6, 7, 8, 10, 11; 103:7, 25; 108:24; 109:8, 12, 12, 24; 110:20; 111:19; 113:14, 17, 24; 114:6; 117:21; 119:9, 15; 121:3, 4; 124:16; 126:11, 13; 127:3, 12, 13; 128:1, 6; 129:14, 15; 130:13, 15, 16, 22; 131:25; 133:10; 142:25; 146:8; 149:22, 23, 25; 150:1; 151:25; 152:3; 162:25; 163:9 method--a 104:9 methodologies 80:16; 93:6; 95:8 methodology 26:2; 68:21; 104:4; 114:2; 168:6; 179:24 methods 32:24; 33:15, 24; 36:12, 15, 19; 53:14; 90:25; 91:3; 98:21; 103:17, 23; 104:20; 105:6; 110:11; 115:2, 4; 126:24, 24; 143:1, 1; 155:7; 167:3 methods--you 130:12	micro 204:15, 20 microbial 202:15, 17; 203:6 microbiological 202:19 microbiologists 202:18 microbiology 202:24 micromodel 92:12, 12, 12 microphone 19:19; 99:1; 110:24; 155:22; 171:23; 184:11 microphone--Emil 49:6 microsurgery 49:2 middle 124:7; 158:6 might 10:14; 16:11; 17:8; 18:1; 19:12, 13; 20:22; 34:1; 36:21; 40:18; 44:23, 23; 65:7, 17, 19, 21; 67:1; 72:4; 86:8; 95:2; 98:14; 105:25; 106:8, 13; 114:7, 18, 18; 124:19; 126:22; 145:14; 152:17; 157:9, 16, 17, 20; 158:1; 160:2; 164:22; 166:20; 177:14; 178:20 mike 86:22; 151:19; 171:24 mile 138:5 MILLER 31:14; 71:11; 101:18 million 83:22; 124:4 millions 73:8 mind 8:23; 9:13; 26:21; 39:9, 10; 41:9; 52:17; 107:15; 141:25; 155:13; 176:3; 194:15; 198:16; 199:24; 201:16 minds 139:1 mindset 38:25; 39:2, 6 mindsets 41:22 mine 82:23; 92:9; 137:6 minimal 13:8; 130:25; 199:22, 25 minimize 58:6, 6; 200:23 minimum 47:13; 161:20, 22 mining 82:23; 170:25 minute 88:10 minutes 15:7; 57:6; 73:10; 144:13; 189:17 miraculously 26:9 miss 55:1 missing 103:3; 175:18; 179:20; 180:1, 12; 181:5; 182:9; 196:23 mistake 168:2; 197:16 MIT 60:6 mitigate 71:8 mitigated 5:16 mix 40:11; 144:15 mixed 38:6 mixture 192:24 mock 164:24; 201:21; 202:12	mode 60:4, 13; 149:8 model 78:5, 9; 79:7, 21, 23, 24; 80:9, 16, 17, 18; 81:3, 25; 90:2, 4, 7, 11; 93:16; 128:2; 195:10 modeling 35:18; 79:5, 9, 11; 81:22 models 35:1, 20; 58:22; 159:24; 201:18 modified 117:5; 167:9 module 78:20; 79:5; 81:22; 82:10 module--these 78:11 Moheb 9:16; 66:13; 132:17 Moheb's 62:5 moment 89:12 Monday 205:8 money 122:17; 125:12 monitor 102:14; 107:21; 108:4; 109:10, 11; 122:11, 14; 124:22, 23; 126:14; 139:23; 156:20; 158:14 monitored 169:22 monitoring 27:15; 35:13; 60:19; 61:2, 3; 75:4, 15, 18; 76:20, 23; 77:4; 82:15; 113:18; 117:15, 22, 25; 120:5; 124:16, 22; 131:10, 20, 23; 139:15, 18, 19; 141:10; 169:21; 174:15; 175:23 monthly 131:1 months 48:9 mood 72:22 more 9:2; 31:25; 35:23; 37:11; 39:14; 40:19; 41:11; 51:6, 14, 14, 14, 14; 52:25, 25; 55:16; 57:17; 79:4, 19; 88:22, 22, 23; 89:7; 90:11, 20; 95:10; 99:20, 21, 22; 100:25; 102:25; 108:14; 110:4; 116:15; 118:15; 126:22; 128:20; 131:1; 137:17; 140:7; 142:10; 143:13; 148:9, 9, 10, 11; 153:5, 25; 156:16; 158:10, 17; 159:24; 160:10; 171:15; 172:6; 174:17; 185:18; 189:24; 192:7, 7, 24; 195:10; 196:8; 198:8; 200:5, 9, 12; 201:15; 203:7, 9; 205:3 morning 6:25; 7:3; 8:18, 19; 9:18; 14:5; 32:9; 33:9; 56:25; 61:7; 74:12; 83:2; 87:1; 118:4; 167:7; 205:9 morning--that 46:12 Morris 6:8; 7:14; 8:9, 9; 165:15; 166:22; 171:24; 175:8, 11, 16; 176:2, 10, 14, 23; 177:4, 22; 178:5; 179:2; 180:22, 25; 181:7, 11, 16, 22; 182:1, 12, 19, 22; 183:1, 22; 184:4, 12, 16, 18; 185:3, 8, 23; 186:9,
---	---	--	--	---

20; 187:7, 15; 188:22;
189:6
most 9:10; 23:10; 73:6;
155:14; 159:11; 171:9;
177:25; 179:13;
mounted 155:24
mounts 75:7
mouse 158:5
mouth 87:25; 113:11;
120:9
move 12:24; 19:18;
58:14; 60:10; 69:4; 80:12;
93:23, 25; 103:20; 109:13;
115:7; 118:8; 128:10;
137:21; 138:12; 139:5;
147:15; 148:2; 158:3;
160:9; 188:19; 189:24;
195:13; 199:24; 200:14;
201:9
moved 146:19
moves 56:12
moving 12:23, 25; 13:24;
40:19; 56:10; 92:12;
146:5; 176:18; 189:11;
197:3; 200:2, 16
much 8:15; 9:13; 23:19;
24:7; 33:5; 35:23; 41:24;
46:13; 49:1; 54:20; 74:12;
77:1; 94:13; 97:19; 118:8;
123:20; 162:3, 4; 168:1;
189:24, 24; 190:16; 195:9;
200:12, 12
multiple-choice 119:19
multiplexed 75:5
multivariate 17:12; 20:8;
33:22; 34:19; 140:1, 22;
143:14, 18; 191:20
must 23:6; 125:11; 128:5;
204:17
my-anyway 197:17
myself 21:25; 51:15;
190:10
myself-to 63:2

N

nail 154:9
naive 118:16
name 6:25; 183:7
NASR 21:16, 19; 32:13;
39:3; 45:17, 19; 46:5; 63:6;
102:4; 110:19; 116:10;
132:12
National 133:12
nature 5:15; 27:4;
107:21; 147:12
NCCL 133:12
near 10:19; 11:3; 13:15;
32:22; 96:1; 97:16; 107:7,
8; 160:12; 197:17
near 40:9; 147:22
near-infrared 148:22

nearly 140:12
necessarily 24:16; 31:7;
32:12, 20; 33:7; 38:17;
49:9; 53:16; 56:7; 63:21;
67:11; 70:19; 78:12; 91:7;
96:5, 10; 98:22; 101:25;
107:4, 24; 111:15; 113:16;
114:17; 127:16
necessary 24:10; 73:17;
100:25; 109:25; 111:13;
138:2; 143:13; 168:16;
172:24
need 9:21; 17:23; 20:10;
22:6; 28:18; 29:9; 33:10;
35:8, 10, 14, 21; 36:14;
38:9, 17; 40:13; 46:14;
48:7, 22; 50:19; 51:7, 15;
52:13; 53:7; 54:17; 55:6;
56:23; 62:1; 64:13, 15, 24;
65:3; 71:18, 19; 72:13;
77:18; 79:10; 80:22, 24;
82:9; 83:4; 85:19; 86:3, 4;
95:5; 98:9; 100:21; 101:7,
9, 9, 12, 17, 19; 102:25;
104:23; 106:3; 109:20;
111:11; 113:1; 115:19, 24;
119:16; 120:16, 18; 121:6;
123:4; 124:11, 12; 125:14;
126:7; 128:21; 130:21;
132:2; 133:1, 3; 139:10;
140:6, 6, 10, 11, 13; 142:2,
3; 147:14; 151:17, 19;
152:18; 157:6, 22; 159:10,
18, 23; 160:4; 164:4, 7, 10,
19; 166:9; 182:23; 188:6;
191:13; 193:20; 198:8;
201:23
need-or 193:9
needed 15:5; 24:17;
28:24; 37:12, 12, 15; 48:8;
97:23; 143:20, 22; 145:8;
188:14; 192:5; 205:3
needs 17:14, 14, 19, 20;
22:9, 16; 23:2; 27:3; 29:5,
14; 77:14; 86:1; 100:12;
115:25; 121:19; 123:3;
124:13; 133:9; 151:14;
170:2; 171:8; 176:21;
188:9; 201:19
nest 120:4
net 176:15
network 74:9; 76:13
new 10:20; 11:2, 15, 15,
25; 12:23; 26:17, 19, 25;
29:6, 7, 15; 32:6; 33:6;
39:16, 19, 19; 40:6; 44:9;
48:3; 50:4, 10; 52:2, 2;
58:17; 62:14, 16; 68:21;
84:12; 88:24; 89:3, 13;
90:9; 91:5; 92:16, 23; 93:8;
95:6, 8; 96:23; 98:5; 99:24;
101:19; 102:3, 6, 7, 11;
103:23, 23, 24; 104:3, 4;
132:16; 139:13; 141:22,
23; 149:23; 150:1; 162:1;
168:1; 174:24; 194:9
next 18:24; 20:11; 36:9;
42:4; 116:8; 118:9;
119:22; 128:15; 142:14;

146:11, 13, 22; 154:24;
159:6; 171:7; 190:6;
194:21; 202:6, 13, 25;
203:22, 24; 205:21
nice 12:19; 78:16;
128:16; 172:4; 185:5
nicely 79:21; 122:25
night 26:14; 33:11
NIR 49:1; 53:14; 76:6;
77:20; 91:1; 117:16;
132:20; 157:11; 174:23
NIRVWOG 48:3; 53:12
NIST 203:11, 13, 16
nobody 120:14
noise 180:17
non 117:6, 7
non-all 117:6
non-critical 110:19, 20
non-destructive 78:17
non-filed 107:16; 109:16,
23; 112:19; 115:4; 117:6
non-filed-or 110:9
non-GMP 115:3
non-regulated 115:3
non-regulatory 103:7;
106:7, 21; 107:16, 18;
108:11; 109:14; 125:1, 5, 9
non-transference
137:10
None 123:21; 134:2
nonintrusion 47:19
nor 88:23
normal 69:24; 70:15;
80:19; 82:19; 92:15; 93:2;
126:19; 134:25
normally 64:19; 69:16;
186:18
not-if 112:5
not-it's 192:13
not-you 20:15
note 5:17; 137:17
noted 6:15
Notice 79:23; 161:3;
185:15
noticeable 176:16
noticed 149:25
notified 70:19
number 29:10; 48:2;
58:6, 7; 77:22; 82:21;
83:21; 88:6; 96:7; 97:13,
18; 118:10; 125:2; 131:18;
137:18; 144:23; 153:1;
154:11; 156:2, 23; 157:24,
24; 161:19; 162:13;
173:25; 191:2, 4, 5; 195:1
numbers 47:1, 7, 8, 10,
16, 22, 23; 49:9; 84:7;
153:8; 194:24

O

o'clock 14:19, 23; 71:21;
118:7; 134:17, 17, 21, 22;
156:4

object 119:23
objective 20:17; 25:3;
141:1
objectively 6:1
objectives 9:2; 12:14;
21:12; 24:18; 167:6, 8;
199:10; 201:16
observation 162:16
observations 162:8, 10,
13; 175:6, 13
observed 129:6
obtained 4:24; 102:1;
147:6
obviously 119:2; 170:1;
171:7; 175:23
occasionally 27:9, 17;
46:2
occasions 81:18
occur 174:8; 183:15
occurred 149:17
odd 191:22
of-do 86:20
of-excuse 173:7
of-I 61:25; 125:9
of-regarding 49:13
of-this 187:4
of-you 55:7
off 16:14; 19:19; 25:2;
27:7; 49:12; 69:13; 75:18;
81:14; 85:11; 86:7; 88:19;
90:4; 99:1; 107:14; 109:9;
110:5, 24; 112:22; 146:21;
150:1; 171:23; 184:11
off-line 61:9; 151:1;
157:12
offer 10:24; 13:17; 179:1
Office 4:25; 8:12
official 148:4
offset 102:21
often 27:18; 37:14; 38:3;
46:6, 7; 55:2; 57:17;
130:19; 133:1; 143:13, 21;
146:17; 162:3; 163:20;
165:20; 166:5, 6, 7
often-and 46:5; 132:25
oftentimes 35:22
old 51:17; 80:15; 89:1;
98:5; 101:21; 102:5, 10;
139:2; 149:22, 25; 174:23
older 73:3
on-and 55:1
on-I 200:14
on-line 60:16; 99:14;
102:13, 15; 104:17;
157:11; 160:24; 164:17;
183:17; 184:8; 189:2
Once 34:23; 75:17;
87:11; 126:8; 163:2;
198:25
one 8:23; 9:10, 14; 11:16;
14:18; 17:5; 18:24; 21:2;
22:5; 23:1; 25:16; 26:15;
27:16; 28:11, 20; 29:20;
30:17; 32:7, 19, 20; 35:7;
37:3; 38:6; 39:15; 40:13;

41:24; 42:4, 22; 45:23;
46:8, 9, 23; 47:6; 49:21;
52:6, 16; 53:19; 59:18;
66:13, 15; 67:4; 69:14, 19;
71:2; 72:3; 73:17; 75:3, 7,
7; 78:24; 79:11; 83:1, 7;
84:23, 23, 25; 85:2, 7;
88:11, 12, 12; 89:8, 24;
92:19; 94:15; 95:1; 96:20;
97:21; 99:10, 18, 23, 23,
24; 100:12; 103:1; 110:9;
113:13; 116:3, 8, 9; 118:9,
22; 119:22; 120:1, 5, 15,
15; 121:7; 125:8; 127:7;
128:15, 16, 17, 19, 22;
131:16; 132:8; 135:1;
138:13, 14, 20; 144:4, 7;
151:2, 23; 152:5; 154:7,
12; 155:11, 21; 158:5, 14,
14; 161:21; 172:20;
174:17; 175:17; 177:20,
22; 178:11; 179:17; 181:5;
183:9; 185:24; 188:4, 4;
190:7; 191:3; 192:2;
197:11; 199:6; 200:15, 17;
201:2, 4, 11; 202:17;
203:2, 6, 10
one's 27:20; 119:22
one's-no 18:9
one-so 178:16
one-we 199:5
one-day 184:15
one-off 17:21
one-week 184:20
ones 51:17; 58:20; 69:15;
89:3; 157:9; 169:13, 14;
171:14
ongoing 130:20; 132:4;
159:15; 185:25; 186:13
only 22:10, 18; 29:6, 14;
42:2; 45:23; 64:12; 87:20;
89:13; 103:2; 107:11, 12;
109:6, 22; 111:23; 112:25;
117:14; 125:2, 6; 126:19;
127:22; 132:18; 133:6;
137:14; 143:8; 145:13;
158:21; 161:20; 195:11
only-if 112:25
onset 106:12; 172:17
onto 38:12; 49:11
ooh-ooh 39:17
OOS 149:13; 162:7, 9, 13,
16, 20, 23
OOT 149:13
op 181:11, 14
open 69:5; 76:16, 17;
81:9; 95:13; 134:12;
141:25; 157:7; 168:14;
174:10
operate 63:16; 75:21;
127:10; 129:18
operating 86:25; 127:18;
128:4; 144:5
operation 17:21; 28:21,
23; 29:18; 34:25; 42:4, 7;
56:2; 59:20; 60:14; 64:6, 7,
8; 68:4; 84:10; 131:11;

140:20; 179:9, 10; 181:10;
183:14
operation--the 19:6
operational 77:20
Operations 7:1; 19:7, 10;
25:17; 60:12; 64:19;
118:4; 140:19; 144:3;
168:21; 169:20; 177:2;
181:5, 19, 21; 182:6, 7
operator 75:25; 159:17
opinion 10:21; 66:17
opinions 69:6
opportunities 85:13;
155:11
opportunity 18:15;
29:16; 55:13, 24; 85:19;
93:15; 138:7; 155:17;
165:2; 193:21
opposed 67:22; 145:11
optical 108:5
optimal 127:11; 193:5
optimization 107:23;
111:8; 112:4
optimized 42:25; 43:4;
89:9; 113:4; 147:5
Option 194:22; 195:7, 7;
198:24
optional 203:13, 21
OQ 171:16; 182:20
OQs 41:8
order 24:5; 35:18; 59:8;
119:14; 139:15; 156:7;
173:3
orders 49:2
original 92:8, 9; 98:11,
19; 101:11, 20; 160:12
orphan 170:24
others 53:9; 60:7; 93:21;
94:7; 146:6; 164:22
otherwise 98:3; 100:15;
104:2
ought 58:14; 121:4;
142:7; 175:25; 187:8
our--that 55:22
ourselves 6:23; 38:10;
92:10; 115:11; 138:4;
198:22
out 12:12; 13:14; 16:18;
20:16; 26:7; 31:2; 38:19;
39:10; 40:14; 41:8; 44:16;
45:12; 46:11, 22; 47:15;
48:16; 55:20; 56:7; 58:18;
65:15; 69:16, 20; 70:7, 8,
11, 15, 25; 80:5; 82:12, 16;
84:1, 4, 8, 10; 86:13, 14;
88:9, 10; 96:11; 98:3;
115:24; 116:4, 13; 117:5,
6; 119:1; 123:15, 18, 19;
126:7; 134:19, 22; 142:21;
145:15; 146:22; 148:21;
149:8, 16, 17, 20, 20, 23,
23, 24; 150:2, 11; 152:5, 6,
11; 156:8; 163:5; 167:7;
173:23; 182:24; 184:5;
185:14; 186:23; 187:10,
18; 188:8; 198:16; 199:15,

23; 201:7
out-of-spec 68:23
out-of-specification
67:23; 68:13; 71:1
out-of-trend 67:21;
68:14; 71:3
out-of-vessel 126:18
outcome 96:13; 125:17;
140:17; 141:11; 148:13,
18
outcomes 138:19;
167:21, 21; 168:10
outline 8:25; 23:5
outlined 32:1
outlying 27:10
output 66:3
outside 127:10, 17; 128:4
Outstanding 72:25;
138:16
over 13:15; 16:19; 17:20;
19:19; 38:7; 40:13; 55:11;
82:20; 96:8; 98:25;
100:14; 141:17; 142:17;
144:8, 8; 146:22; 151:9,
23, 24; 152:7; 200:21
overall 21:12; 29:1, 14;
44:12; 151:6
overarching 67:15
overcomplex 38:14
overcomplicating 32:16
overheads 72:24, 24, 25
overlapping 120:23
oversight 68:23
overview 168:20
own 7:23; 41:6; 48:7;
67:24; 89:6, 19; 122:13;
139:1; 149:11, 11; 165:14;
172:16; 198:20

P

p.m 173:17; 205:22
P1 147:17
pace 189:11
package 48:18; 50:6
packet--was 201:25
page 163:8
panacea 58:4
paper 97:13; 189:5
papers 111:15
paperwork 67:25
paradigm 31:20; 32:3;
140:12, 13
paradigms 32:6
paradox 141:17
paragraph 10:15; 23:1,
11; 98:21
paragraphs 10:15;
15:25; 23:1; 203:2
parallel 91:2; 161:15;
203:5, 9
paralyzed 13:1
parameter 96:1; 97:14;

101:6; 103:8; 106:7, 12,
17; 107:4, 6, 16, 17, 18;
110:6, 10; 111:5, 21;
125:5, 6, 10, 14, 15; 164:5
parameter--if 125:10
parameters 33:1; 41:25;
53:18, 20; 101:23; 107:24;
110:21; 114:16; 125:2;
156:24
Parklawn 5:1
part 4:15; 64:9; 77:20;
84:25; 85:2; 94:5; 104:23;
113:16; 120:22; 121:1, 18,
20; 123:24; 124:24;
141:24; 146:7; 155:13;
160:1; 165:24; 172:19;
182:25; 184:6; 195:19, 20,
22, 23, 23; 196:19, 20;
198:13; 201:18; 202:19,
19; 204:21
part--and 176:24
partial 162:11
participant 167:23
participants 5:25; 6:13,
14, 16; 155:25; 167:16;
173:24; 174:18; 187:17
participate 4:21; 198:4
participating 5:19
particle 117:17; 157:16
particular 5:4; 44:12;
63:12; 110:6; 123:13;
199:15
particularly 8:21; 189:7
partly 31:16
parts 41:9; 92:21; 155:5
passed 28:1
passes 153:22
passive 188:5
password-controlled
75:23
past 64:15; 73:14; 138:1;
139:24; 140:10; 142:12;
143:7; 149:17; 180:13;
192:12
PAT 10:16; 11:20; 12:1;
24:12; 26:23; 33:21;
43:20; 45:1; 58:2, 4; 60:4;
61:9; 72:3, 23; 87:15; 96:2;
97:16; 98:10, 14, 18;
103:18; 105:5; 119:8;
126:24; 127:3, 12; 139:25;
141:14; 143:22; 144:11,
20; 145:3; 146:8, 8;
148:10; 149:11; 150:15;
152:4; 153:14, 17, 24,
157:4, 20; 158:2, 9, 13, 15;
160:11, 13, 18; 161:1, 6,
11, 15, 17; 162:15, 19, 22;
163:2, 15; 164:5, 7, 13;
166:25; 167:22, 25; 168:4,
4, 9, 20; 169:9; 173:5, 10;
177:12; 178:2; 180:4;
185:1; 189:13; 190:19;
192:23; 195:10, 12; 196:7;
197:15, 20, 21, 22, 24;
198:3, 5, 10, 13, 17; 199:2,
7, 9, 9, 11; 200:1; 201:22;

202:9
PAT--and 142:16
PAT--not 205:2
PAT-type 152:1
path 32:9, 11; 60:24; 68:7
pathway 114:21
patience 205:16
patient 86:19; 190:22
patients 190:12
PATs 10:1, 7; 33:6; 95:5;
156:17, 18, 21; 157:2, 9,
14; 158:11; 159:7, 12;
160:22; 162:10, 17;
163:19, 21; 167:18, 20;
178:21; 198:7
PATs--we 157:8
pattern 170:21; 186:18
Pause 71:16; 74:24;
95:19; 119:24; 126:2
pay 166:9
payback 166:20
PC 75:21
PCCP 169:16
PCCPs 167:25
Pennsylvania 96:22;
205:11
people 12:13, 20; 13:8,
18; 15:12; 18:9; 23:10;
30:9; 31:23; 33:8; 38:2;
44:19; 47:3, 6; 48:2; 49:22;
50:8; 51:8; 54:9; 65:16;
66:5; 77:25; 79:19; 85:14;
87:6; 92:3, 5; 93:9; 94:21;
96:14, 16; 118:12; 120:1,
17, 17; 127:10; 128:19;
137:8, 8, 18; 140:11;
144:24; 145:12; 148:9;
151:9; 155:17; 164:19;
173:19; 174:14; 179:14;
185:14; 187:22; 189:7;
203:22
people's 69:6
per 63:15; 131:18
perceive 93:18
perceived 12:6
percent 46:1; 52:20, 20,
23, 24; 60:18; 69:18, 20,
23, 24; 71:13; 83:25; 150:6
perfect 33:14; 40:21;
55:12; 69:15
perfectly 177:11; 178:21
perform 12:16
performance 17:4; 25:8;
42:15; 93:4; 131:8;
145:20; 147:5; 158:2;
163:17; 167:17; 169:23;
185:13
performance-based
196:9
performed 161:18
performing 179:14
perhaps 15:5; 24:8; 41:6,
17; 43:17; 52:8; 77:13;
101:24; 126:21; 130:7;
143:5; 144:12; 150:13;

157:11
period 38:7; 82:20; 91:3
permits 4:20
person 92:5; 183:19
personal 9:19; 122:13
personally 187:25;
190:10, 17
perspective 30:8; 63:5;
190:18; 191:8, 23; 193:4;
194:5
Pfizer 7:13
Pfizer's 47:11
ph 47:9
Ph.D 168:23
Pharma 6:7
Pharmaceutical 4:5, 12;
6:4, 10; 58:12; 96:21;
168:21; 170:9; 178:25
Pharmaceuticals 7:2;
205:10, 11
Pharmacia 7:5
pharmacists 92:4
Phase 11:1; 109:8;
198:13
phenomenon 168:2
phobia 67:9
phrase 130:8, 10; 175:24
physical 36:24; 42:20;
117:18; 144:18; 145:25;
192:8
physical/chemical 42:6
physically 50:3; 53:3
physician 86:18; 190:15
physics 186:10; 191:19
pick 20:16; 49:12; 65:19
picked 28:24; 68:21
picture 22:2; 60:11; 85:2
piece 108:24; 124:7;
144:9
pieces 29:4; 33:4; 92:21
pilot 119:9; 179:7
place 15:6; 22:11; 33:5;
44:2, 3; 47:5; 51:23, 23;
54:25; 56:15; 113:17;
123:2, 4; 125:21; 131:7;
132:5; 133:8; 145:3;
166:19; 179:25; 183:20
placed 72:15
placement 177:23
places 52:8, 14; 103:23;
182:20
plan 27:3; 30:10; 88:22;
124:13, 17, 24; 125:21, 23;
201:13; 203:4
plan--I 125:21
planes 13:4
plans 123:13; 124:15
plant 73:22, 25; 74:18;
75:3; 76:8; 77:20; 80:9;
81:14; 89:13, 14; 90:9;
92:13, 23, 24; 93:2
plant--or 119:9
plants 90:6; 92:3
plate 171:9

playing 48:5
pleasant 205:20
please 36:9; 37:7; 73:10;
15:5
pledged 96:11
PM 133:14
point 11:22; 16:8, 24;
17:1, 24; 25:15; 26:10;
27:2, 21; 37:25; 43:25;
44:5, 11; 48:16; 51:9;
52:15; 53:11, 24; 57:11;
58:15, 23; 59:17; 62:5;
65:14; 66:1; 85:18, 24;
91:6; 96:22; 101:16;
102:13; 106:1; 108:24;
113:2, 7; 114:13, 24;
118:21; 119:7; 126:4;
127:25; 128:7, 23; 130:9;
144:14; 152:19, 23;
153:12; 154:11; 156:24;
171:2, 7; 172:1; 174:14;
175:1; 177:20; 178:22;
181:25; 187:18; 193:19;
198:22; 204:7
point-and 173:2
pointed 13:14; 31:2
pointing 66:23
points 16:18; 18:3, 8;
33:2; 37:10, 14; 68:9; 96:7;
119:5; 143:21; 151:4;
154:8; 159:8; 173:23
Polyanna 154:24
powers 111:16, 17
power 108:12; 193:14, 15;
194:7; 200:7; 205:17
poorly 17:3
population 164:9
portion 66:15; 173:16
posed 10:11
position 65:23; 115:1
positive 12:5
possibilities 13:12
possibility 86:5, 9; 189:2
possibility-I 203:20
possible 12:24; 13:1, 5,
23; 15:18; 23:21; 66:25;
68:7; 113:11; 132:22;
138:19; 153:25; 168:7;
185:21; 205:4
possibly 130:23; 152:8;
168:7; 198:4
post 32:20
post-approval 193:7;
198:15
post-validation 46:13
posterity 152:13
postulates 141:4
pot 116:8
potency 60:17
potential 192:7
potential 5:11, 14, 16;
19:11; 20:5; 26:6; 43:20;
140:20
potentially 34:14; 41:20;
43:8; 155:14

potentials 179:11
pour 87:22, 23, 24
powders 56:4
power 161:2
PQ 171:16; 182:20
practical 57:9; 117:19;
174:7, 9
practically 81:16
practice 31:22; 55:23;
56:1, 17; 152:3
pre 32:20
pre-approval 198:4
pre-course 172:13
preamble 18:19
precise 100:25
Precisely 18:21; 62:5
precision 101:25
preclude 4:16
predetermined 153:21
predicated-it 195:16
predict 28:4; 80:25
predicting 80:3; 148:7,
13; 157:7
prediction 157:15
predictor 157:19
preface 185:23, 24
prefer 26:4; 54:3
preferably 114:25
preparation 172:14;
182:10
prepare 165:15
prepared 4:19; 44:16;
115:6
prescribe 62:25; 123:5
present 31:3; 167:13
presentation 54:1;
72:10, 12, 20; 94:18;
95:18, 22; 120:22; 133:21;
189:17
presented 26:9; 142:24
preservation 89:1
preset 153:21
president 6:2
Presiding 15:3
press 40:24, 24; 69:13;
74:8; 75:17; 81:14
presses 75:9; 76:23
pretty 30:5; 41:24; 60:5;
105:24; 172:12
prevent 71:9; 191:1;
195:9; 196:10, 12
previous 6:18; 154:12
previously 149:18
primary 36:12, 18; 38:2,
5, 7, 8, 17, 20, 22; 39:23;
40:10, 11; 61:18; 143:1
principal 47:8; 50:1, 4
principle 63:25; 95:14;
129:11; 157:5; 197:18
principles 10:16; 26:21;
31:1; 59:1; 60:21; 61:10;
63:16, 20; 66:6, 17, 19;
91:22; 95:3; 141:22;

197:16; 201:17; 202:22
prior 11:8; 56:22; 57:3;
130:15, 16; 160:12;
172:17; 193:7; 199:22, 25;
204:16
probabilities 13:11
probability 13:7
probable 12:25; 13:5, 23
probably 9:10; 12:11;
26:20, 24; 30:18; 31:14,
16, 25; 38:15; 51:3; 53:4,
8; 58:14; 72:16, 16; 84:15;
91:15, 20; 101:19; 102:2;
108:11; 112:21; 113:25;
121:19; 125:1; 130:5, 21;
131:3, 24; 134:20; 142:13;
144:23; 146:12; 148:3;
155:9; 161:19, 21; 165:16;
175:8; 179:8; 200:4;
204:12
probe 76:1; 114:5;
178:11
probing 48:25
problem 30:3, 4; 38:11;
44:14; 46:3; 47:5, 25;
50:14; 57:17; 58:16; 65:5;
81:11; 93:20, 22, 25;
103:12; 115:14; 121:22,
25; 180:14
problem-maybe 121:21
problems 29:12, 20;
30:18; 46:8, 19; 54:10;
58:19; 60:9; 79:14;
174:20; 194:3, 12, 13
procedural 54:21
procedure 25:25; 131:5;
132:4; 198:12
procedures 54:25;
123:2, 4, 6, 7; 130:20;
133:13; 161:11; 195:18;
197:6
proceed 93:17; 141:6;
148:25
PROCEEDINGS 4:1
Process 4:3, 10; 7:24;
9:8; 10:17, 24; 11:6, 6, 18;
13:21; 15:5, 23, 24; 16:11;
17:4, 16, 20, 24; 20:18, 20;
21:5, 7; 22:6, 7, 8, 9, 9, 11;
23:14; 24:8, 10, 10, 11, 17,
20, 22; 25:3, 4, 8, 12; 27:1,
14; 28:4, 15, 22; 29:8, 22;
30:24; 31:4, 5; 33:19; 34:6,
7, 14; 35:14, 18, 19, 25;
36:3; 37:13; 40:23; 41:8,
12; 42:1, 8, 13, 17, 18, 25;
43:2, 4, 13; 44:1, 12, 12,
18, 20; 45:2, 5, 8, 8, 11, 16;
49:15, 17; 53:18; 57:20,
23, 24; 58:8; 62:7; 64:8;
65:17; 66:9; 69:11, 17;
70:5, 10, 21, 21; 71:12;
75:15; 80:10; 81:3, 15;
82:14, 24; 84:24; 85:10,
12; 86:6, 15, 16; 87:18, 19;
88:3; 90:18, 19; 91:18;
92:22; 93:1; 94:14; 95:6;
99:12; 100:20; 102:18;

103:14, 20; 104:9, 19, 21;
106:12, 20, 21; 107:23;
108:17; 110:6; 111:7, 11;
112:4; 114:5, 20, 22;
116:2; 117:15, 15, 21, 22,
24, 25; 118:14, 25; 119:17;
120:5, 17, 17, 25; 121:14,
24; 122:1, 11, 12, 21;
124:3, 14, 15, 17, 23;
126:20; 127:10, 23, 24, 25;
129:1, 3, 9, 18, 23; 131:10,
20; 134:25; 135:2; 138:18,
23; 139:9, 15, 17, 23;
140:16, 18; 141:2, 3, 10,
14; 142:1; 143:15, 17;
144:7; 145:18, 21; 146:2,
9; 147:1, 4; 148:1, 16;
153:15, 23; 154:2, 17, 21,
22; 155:2, 10, 13, 18;
156:14, 15, 16; 157:3;
158:14, 14, 23, 24; 159:20,
21, 25; 160:4, 18; 163:14,
17; 164:1; 170:21; 171:2,
3, 8; 175:20; 176:7, 9;
180:11; 181:6, 19, 20;
183:19; 186:1; 189:13;
191:11, 16; 193:2, 8, 24,
25; 195:4, 8; 196:10, 16,
17, 25; 198:19, 20; 199:23;
201:7
process-I'm 53:17
process-the 9:11
process-we've 118:11
process-monitoring
35:12
process-related 17:15,
18; 140:10; 194:3
processes 19:4, 5;
25:22, 22; 26:6; 28:17, 21;
29:7; 33:16; 51:6; 52:10;
55:17; 58:11; 59:1, 5, 8,
13; 67:11, 19; 83:9; 84:2;
87:8; 108:2; 114:21;
123:12, 14; 131:15; 140:8;
144:1; 145:23; 148:5, 12;
156:13; 172:8; 173:9, 9;
198:23
processes-is 20:18
processing 102:20;
126:19; 176:18, 22; 178:2,
19
processor 99:4
produce 102:19; 160:9
produced 97:24
produces 150:18
product 5:4; 6:19; 10:17;
17:20; 24:13, 24; 26:17,
18, 19; 27:7; 29:15; 36:4;
40:25; 41:18, 20; 42:3, 3,
9, 12, 15, 17, 18, 23, 24;
43:3, 7, 13, 14, 16; 44:6;
45:3, 13, 13, 14; 49:22;
52:22; 58:12; 59:15;
68:20; 70:1, 2; 75:25;
77:10; 84:23; 87:12, 12,
13, 13; 89:23; 90:15, 24;
91:1; 93:7, 8; 108:6, 7, 17;
122:3; 141:11; 144:6;
145:17, 19, 21; 146:25;

147:2, 5, 8, 17; 148:7;
150:12; 154:18; 155:13,
18; 159:17; 162:1; 163:3,
17, 18, 22, 25; 164:1;
191:13; 194:8, 25; 196:17;
199:15
product-of 196:12
product-dependent-
it's 131:12
product-related 17:18
production 21:9; 31:5;
37:1; 80:19; 89:25; 105:7;
179:15; 194:2
productive 8:16
productivity 150:17
products 6:12; 24:15;
26:22, 25; 29:7, 11, 13;
44:17; 72:4; 131:15;
140:15; 144:3; 148:5;
150:18; 161:24; 166:23;
190:11, 21; 191:1
products-and 29:6
Professor 34:10; 138:10
profile 49:19
profit 88:25
program 8:24; 56:19;
99:3; 133:8; 167:15, 16;
187:21; 188:1; 203:10, 14
programs 164:20
progress 8:18
projected 34:11
prolong 197:19
promise 203:20
proof 20:12; 46:8;
140:24; 198:17; 199:1
properly 112:14; 180:20
properties 36:24; 117:18
property 36:23; 84:23;
94:9
proposal 48:4
proposed 150:24
proprietary 91:16; 115:7
prose 48:11
protocol 35:12; 36:6;
153:21; 160:12, 17, 18, 19;
204:7
protocols 26:16, 25;
35:25
protracted 194:1
prove 49:3; 137:15
provide 23:21; 28:19;
55:25; 101:10; 114:21, 25;
115:4; 131:13; 133:6;
164:14; 165:1; 192:11
provided 10:12; 143:23;
166:19
provides 6:4
providing 59:14; 66:25;
190:2
prudent 5:10; 116:22
public 5:25; 134:12;
137:23; 150:21; 194:5;
205:19
published 94:8; 173:4
pull 46:21; 173:23;

175:17
pulled 201:12
pulling 47:15; 190:8
punitive 138:2
Purdue 6:7; 8:9; 60:6;
173:15; 174:12; 179:7
pure 53:1
purely 64:21
purification 102:14
purpose 22:16, 18, 25;
23:3, 4; 110:2; 112:5;
113:8; 148:15; 156:17;
162:12; 186:3
purposely 49:17; 57:21
purposes 77:12; 104:21;
105:13, 15; 106:2, 4;
112:10; 114:19; 115:17,
23; 117:13; 162:18; 204:9
push 99:4; 100:8; 138:13
put 15:5; 16:20; 18:8;
34:7; 35:9; 44:20; 46:18;
50:6; 52:4, 7; 56:15; 61:20;
72:18; 73:13; 74:9; 82:10;
91:6; 94:22; 95:23; 96:5,
16; 97:21; 104:9, 11, 12,
20; 105:12; 113:11;
118:24; 120:1, 14; 132:4;
151:6, 11; 166:18, 21;
170:23; 179:24; 180:25;
187:10, 12; 189:13; 194:8
putting 24:5; 47:15;
54:12; 91:21; 120:8;
124:11; 145:3; 186:3;
189:2

Q

QA 27:15; 61:14; 62:10;
92:4, 5
QC 27:15; 144:24
qualification 10:4; 93:4
quality 9:21; 10:3, 5;
17:22; 24:13, 14; 25:1;
27:6, 6; 37:1; 42:19, 23,
24; 43:3; 58:12; 59:15;
75:13, 19; 87:3, 10, 10;
104:17; 108:7; 130:13, 20;
140:15, 17; 147:2; 150:17;
157:7; 163:18, 22; 164:1;
188:17; 190:11, 21, 24;
191:14; 193:12, 14, 15, 16;
194:7, 11, 13, 15, 19;
195:18, 22; 196:3, 14;
200:7
quality--or 196:11
quantitative 47:16
question--do 86:9
questions--and 113:10
quick 71:11
quicker 90:20; 93:24
quickly 184:13; 204:7
quiet 33:9
quill 99:9
quirks 34:1
quite 16:2; 18:15; 28:7;

37:6; 49:16; 64:17; 110:1;
127:5; 139:25; 145:11;
179:18, 22, 24; 182:8;
191:19
quite--could 179:23
quotation 25:20; 88:20

R

R&D 156:9, 12, 13, 18, 23;
157:2; 159:9, 13, 20;
160:7; 187:22; 188:6, 9, 15
raise 190:19
raised 10:19
raising 33:6
Raju 4:22; 185:5, 12;
186:8
ran 69:17
range 52:18; 70:16;
90:16; 96:1; 97:16; 98:11,
23; 100:15; 103:6; 127:11,
18, 19; 128:1, 4, 5; 129:19;
171:12
range--or 103:3
ranges 100:1
rapid 202:15, 17; 204:15
rate 88:8; 146:14
rather 11:13; 12:24;
13:11; 15:8, 18; 17:18;
28:23; 32:1; 49:24; 85:2;
88:3, 14; 123:17; 124:10;
126:21; 144:14; 148:23;
159:25; 166:21; 195:9
ratio 129:17
rational 9:18, 25; 10:7
rationale 28:2; 49:9, 10;
53:15
rationalization 37:9, 15,
18, 23
rationalize 35:17
rationalized 34:13
raw 192:19
re-specified 195:25
reach 113:2
reached 71:17; 192:10
read 18:9; 42:12; 73:18;
94:23; 97:12
reader 161:13
reading 19:20; 21:22;
76:1; 113:10
ready 16:1; 44:6; 109:13;
126:15; 128:10; 137:3
real 20:19; 25:4; 35:23;
50:17; 64:15; 101:7, 9, 9,
17; 105:6; 125:7; 139:3;
141:3; 142:21; 167:1;
169:4; 185:20
real-time 27:6, 6
reality 28:14; 29:3
realize 28:18; 33:17;
61:13
realized 53:23
realizing 142:2
really 9:4, 20; 11:5; 15:4;

27:3; 28:19; 33:21; 34:9;
41:10; 44:24; 45:1; 59:15;
60:1, 20; 63:14; 66:18;
67:13; 68:9; 74:16; 75:20;
77:1, 7; 79:16; 83:11;
85:12, 16; 87:21; 104:13;
111:10, 14; 112:6, 23;
113:1, 6; 114:23; 121:12,
17; 122:6; 124:12; 131:12;
134:9, 13; 138:2, 15;
140:6; 145:8; 149:15;
152:19; 154:9; 160:3;
166:9, 25; 169:5, 7; 172:5;
175:7, 12; 176:13, 14, 16;
184:13; 185:5; 187:20;
188:1, 7; 192:4; 193:10;
204:14
really--we 129:19
realm 12:24, 25; 41:17;
43:15
reason 16:14; 45:19;
65:23; 116:25; 125:13;
191:15
reasonable 31:19; 94:4;
118:12; 123:7; 127:3, 6
reasonably 94:20;
133:20
reasons 40:13; 118:23;
144:23
recall 67:16
recalls 58:7; 191:2, 4, 5;
194:1, 8, 9
recap 172:3, 4
received 37:16
recently 96:8
Recess 15:2; 71:25
recite 5:11
recognition 168:22;
170:21; 186:18
recognize 17:25; 54:11,
16; 90:10; 140:15; 141:16;
142:18
recognized 139:12
recognizing 139:25;
169:8
recommend 134:24;
161:8
recommendation 166:2
recommendations
148:14; 190:1
reconcile 50:14
reconvene 8:18; 14:4,
14, 22
record 4:15; 5:17; 6:15;
54:24; 151:20; 152:7
recorded 152:13
redo 71:24
reduce 161:25; 162:13
redundancies 121:6
redundancy 120:16, 24;
160:25; 162:2, 4; 165:19,
23; 166:3, 10
redundant 122:14;
131:14; 166:19, 21
REEDY 4:8; 7:18, 18;
204:11

refer 72:10
reference 45:5; 176:17;
203:17
references 52:7; 54:19;
149:1
referred 66:13
referring 177:7
referring--if 153:17
refers 187:13
refine 186:22; 187:2
refining 159:23
reflect 27:3; 189:20;
191:6
reflected 97:23; 186:5
reflects 12:5; 106:2
regard 188:15
regarding 67:18; 165:18
regardless 52:3; 66:7;
96:25
registered 80:10; 90:25;
91:1; 93:7
regression 187:2
regroup 14:7
regulate 120:19
regulated 5:20; 103:10,
25; 138:6
regulation 109:18;
112:10
regulator 69:25; 78:24
regulators 30:17; 94:7
Regulatory 8:13; 13:6;
50:8, 25; 68:22; 71:7;
77:12; 95:25; 97:14;
101:6; 106:17; 107:4, 6,
24; 108:20; 112:2, 5;
113:24; 118:22; 125:3, 8;
137:25; 138:5; 160:23;
162:17; 188:17; 205:19
reinforce 12:9; 13:14
reinvent 142:3
re inventing 123:10
reiterate 34:8; 151:3
reject 60:18; 62:21;
69:15; 88:5, 11, 12; 99:6;
191:13
rejected 69:23
rejecting 69:17, 20;
71:13
rejection 60:15; 62:20,
22; 162:11
relate 163:25
related 4:9; 20:14; 122:5;
202:14
relating 80:8
relationship 35:3
relationships 42:19;
145:24; 147:4; 179:5
relatively 170:17
relax 72:22
release 41:20; 42:3, 3, 5,
9; 56:5; 57:14; 67:12; 81:1,
5, 6, 7; 83:18, 19; 84:15;
86:10, 10, 12; 88:4; 105:6,
9, 10, 12, 15, 17; 144:18,

21; 146:1; 147:7, 10, 12;
148:8; 150:12; 161:17;
162:11; 163:1; 191:1
released 41:19; 81:16
releases 147:17
releasing 70:2; 122:4;
144:3; 194:7; 196:17
releasing--and 43:6
relevance 97:3
relevant 90:12; 91:10;
163:14; 168:9
reliance 199:22
relies 45:2
relooking 86:15
reluctant 188:19
rely 45:15; 166:10
remain 116:24; 155:6
remarks 165:10; 190:5
remedial 188:21
remember 25:6; 27:11;
73:5; 106:9; 109:17;
139:2; 142:16; 158:6;
183:3; 185:9
remembering 15:9;
120:13; 140:21
remind 142:10; 146:13;
190:20
reminder 190:7, 9
reminders 142:13
reminding 143:3
reminds 121:11
remove 112:21; 122:23
removed 11:3
reorganization 174:10
repair 35:10
repeat 166:1
replace 96:1; 132:20;
144:21; 157:10; 158:12,
15; 160:24
replacement 157:13
report 11:13; 82:4;
160:21
reported 5:24; 116:1, 3
reporting 35:5, 5; 82:6
reports 82:3, 5; 134:18;
160:15; 200:3
represent 166:22
representative 5:20;
83:20, 24; 184:2
representativeness
170:10
request 4:24
require 38:21; 47:10, 14;
131:17, 22; 167:19; 193:7
require--and 131:21
required 12:12, 15;
37:21; 52:25; 82:6; 100:20
requirement 68:13;
112:2; 197:8
requirements 9:4; 52:19;
158:10, 17; 200:1
requirements--that's
158:2

requires 36:17; 191:12
research 104:19; 106:1,
4; 109:3; 111:14; 149:8
researcher 6:9
researcher 115:15
resistance 188:5
resolution 194:3
resolve 162:9
resolving 162:7
resources 193:15, 17;
194:24; 195:5
respect 4:14; 5:23; 6:16;
9:8; 10:19; 115:13;
152:23; 171:14
respond 17:19; 86:21
responded 151:1
responding 147:1
response 21:1; 30:10;
43:23; 88:18; 95:16;
155:20; 189:9
responses 96:19
responsibilities 9:24
responsibility 54:12;
123:1
responsible 150:19;
167:2
rest 43:10; 59:3; 93:16;
124:6, 7; 175:2
restate 41:6
restricted 126:17;
179:13
result 67:23, 23; 81:1, 2;
150:24; 162:20, 23
resulting 24:23
results 71:1, 3; 81:10;
118:5; 139:18; 162:19
retained 90:1, 2
retrieval 79:15
retrospect 167:8
retrospectively 26:23
revalidate 27:14; 127:19
revalidating 154:20
review 11:11; 146:2;
152:15; 168:20; 172:5;
173:17; 183:19; 185:22;
195:4; 197:19; 199:20;
201:22
reviewed 172:17
reviewer 177:17; 178:23
reviewers 167:2, 13;
168:22; 169:1, 4, 14;
172:23; 174:21; 187:23;
197:21, 22, 23, 25; 198:4;
202:8
reviewing 12:17; 169:11;
173:4
Revolution 146:15
revolutionary 32:1
reward 134:14
reward 194:1
Rick 7:7; 22:13, 14; 181:3
rid 103:16; 125:8, 9, 9
right 9:5; 20:3; 21:14;
24:4; 32:21; 39:13; 44:2, 3;

46:5; 55:7, 9; 58:3; 65:14;
69:4; 71:1; 76:10; 84:22;
95:17; 96:7, 17; 97:5, 5,
17; 99:13; 100:2; 103:9;
105:2; 110:15; 112:21;
115:15; 118:6; 119:23;
126:25; 128:10, 17;
129:11; 138:13; 142:12;
143:24; 148:3; 149:21;
158:6, 25; 172:1; 181:18;
182:12, 12; 183:23; 184:4,
12, 24; 190:4; 197:12, 13;
203:24
right-hand 141:18
rights 177:18
rigorous 140:7; 158:7,
10, 17
ring 18:3
risk 19:11; 20:5, 7; 26:4;
64:19; 140:19, 21; 162:3;
180:1, 2, 3, 9, 10, 18, 20;
181:1; 193:13, 14; 194:6;
200:7, 24
risk-based 25:18, 20, 24
risks 30:4
RITCHIE 49:11; 57:11;
93:14; 115:13; 205:1
road 56:24; 86:8; 134:21;
205:2, 6
Rob 8:2; 16:19
robust 111:22; 121:5;
124:12
robustness 23:8; 121:3
role 97:25; 201:3
rolling 187:1
Rom 4:25
room 23:10; 57:1; 70:12;
203:6
rooms 14:2
rooms?--in 14:2
routes 74:2
routine 147:18; 160:22
row 85:11
RQA 48:7
RTQA 27:12
RTQC 27:12
Rudd 58:24; 175:5, 12,
19; 176:6, 12, 15; 177:3, 9,
25; 178:6, 14, 17; 182:8;
187:18; 204:4, 13
rule 11:23
rules 153:19
run 33:10; 42:7, 8; 55:19;
69:20; 70:11; 80:14;
90:25; 91:1; 120:7; 122:1;
123:12; 127:23, 23; 150:7,
8, 10, 22; 193:22; 202:12;
203:5
running 28:4; 89:12;
90:7; 107:19; 121:15;
124:1; 126:21; 167:1
runs 146:1; 147:7

S

sa 160:11
safe 112:11; 113:1;
149:12; 152:18; 194:18;
199:13
safety 25:21, 22; 159:16;
176:15; 180:9; 191:8;
194:14, 16
said--okay 99:23
same 11:4; 14:2; 25:12;
32:23, 24; 33:16; 39:20,
21; 40:17; 41:12; 46:25;
47:5, 23; 48:6; 49:19;
50:18; 53:5, 11, 12; 68:22;
79:25; 84:17; 98:23;
100:18; 101:20; 102:7;
103:21; 104:22; 108:8, 20;
112:14; 113:22; 123:24;
128:12; 141:15, 22;
142:13; 143:11; 147:21;
160:6; 161:25; 179:6;
195:2, 23; 198:11
sample 60:11; 83:24;
85:21; 177:7, 23; 183:18,
21
samples 55:11; 56:3;
85:21; 90:1, 2
sampling 27:9, 17;
34:16; 37:13; 45:22;
170:10; 183:23
sanctioned 73:23
sat 48:13; 92:10
satisfaction 37:1
satisfactorily 12:16
saw 86:21; 154:13; 160:1;
171:18
saying 28:13; 44:4, 9;
49:6; 50:18; 51:4; 54:22;
57:5; 61:22; 79:17; 85:25;
87:17; 110:8, 13; 122:25;
124:8; 127:22; 153:20, 23;
158:9; 159:8; 160:16, 25;
161:4; 163:6; 183:25;
185:24; 191:23; 193:14;
196:13
saying--what 56:11
scale 159:21, 22
scale-up 159:14
scenario 113:13; 144:5;
198:16
scenarios 67:1
schedule 8:17; 14:25;
189:15
scheduled 71:20
scheme 154:2
school 184:25
schools 174:12
Science 4:5, 12; 9:25;
39:21; 51:1, 2, 3, 5; 55:1,
4; 56:10, 12; 57:9; 60:6;
141:13, 13; 147:23;
166:13; 185:1; 200:6
science-based 55:6;
63:12, 24

science-based--as
56:11
Sciences 7:21
scientific 30:10; 37:10;
49:8, 9; 53:15; 110:12;
118:13; 197:9
scientifically 54:3, 7, 17;
164:8
scientist 65:9
scientists 60:7; 63:4, 11;
113:24; 168:23
scope 130:2
Scottish 74:20
scrap 194:1
screen 16:20; 34:11;
158:2
screened 5:7, 21
screw 120:2
screwing 120:4
scrutinize 195:9
scrutiny 33:6; 67:18;
70:14; 71:7; 108:20;
113:22; 114:18; 191:13;
194:23
se 63:15
sea 142:22
second 4:3; 19:15; 23:5;
27:2, 20; 42:11; 54:24;
66:16; 75:6; 98:21;
105:25; 113:16; 121:18,
20; 173:2; 175:17; 185:19,
24; 189:18; 204:6
secondary 36:14, 17;
143:1
secret 115:8
secretary 171:25
section 168:16; 169:13;
171:17; 183:23
sections 168:17
security 153:9; 171:20
see--I'm 74:19
seeing 47:3; 50:13;
56:24; 73:14; 155:21;
179:9; 183:11; 194:11
seem 94:4; 133:19
seemed 122:7
seems 24:7; 71:13;
101:18; 127:5; 193:5
segments 21:6
SEKULIC 7:13, 13;
32:12; 50:21; 59:4; 66:11;
68:17; 69:3; 70:6; 101:10;
105:14, 20; 108:19; 109:5,
14; 113:9; 130:5; 131:6;
132:7; 152:5
select 180:3
selected 92:21; 142:4;
163:16
selection 169:18
selections 193:1
selective 162:11
selectively 154:1
selectivity 36:16
sell 124:7

send 78:8; 182:13;
205:12
sense 9:3, 23; 10:7;
61:21, 22; 116:21; 117:7,
11, 12; 118:24; 142:9;
165:21; 166:8; 167:1;
172:6; 190:1; 195:15, 21;
197:11
sensitive 184:9
sensor 34:15, 22; 43:7;
70:13; 74:13; 114:5;
118:24; 120:1, 4, 15;
121:23; 122:10, 21, 22;
124:12; 129:2; 131:11, 19;
142:6, 15; 149:4, 5;
157:23; 162:24; 169:18;
174:17; 177:22
sensor's 57:8; 121:24;
183:13
sensor--this 181:17
sensors 41:13, 15;
95:11; 108:9; 114:1;
144:14; 149:9; 155:8;
157:24, 24; 163:4; 170:7;
172:7
sentence 71:2
sentences 16:1
separate 78:12; 122:5;
183:23
Separating 32:18
separation 181:20;
182:3
September 13:2
sequence 32:24
sequential 33:20; 119:9,
20
serious 72:22; 137:17
serve 197:25; 205:19
served 134:11; 170:15
server 75:23, 24; 76:7;
77:21
servers 81:21
serves 6:6, 8
Services 6:3, 4; 7:2
session 32:8, 14; 116:23,
25; 172:15; 188:3; 202:6
sessions 14:12; 155:25;
156:1; 173:6
set 10:25; 19:24; 41:25;
65:25; 102:17; 117:18;
118:4; 131:19; 144:7, 9;
154:16; 179:7; 197:2;
201:23
sets 24:18; 77:8, 9
setting 178:25; 190:24
setting--and 129:15
setup 117:15, 22; 118:1,
2
seven 197:15
several 33:17; 118:7;
120:24; 167:12; 189:13
Sevick 8:4
SEVICK-MURACA 8:4
SGE 7:20
SHABUSHNIG 7:3, 4

<p>shake 146:22 shall 131:25; 132:3 share 91:15, 16; 146:4; 151:2; 203:16 sharing 94:1 Shek 5:18; 7:14, 14; 153:11 shift 140:12, 13; 144:16 shop 72:6 short 24:6; 123:25; 172:12 shortages 194:6 shout 74:20 show 45:12; 81:25; 88:20; 115:18; 205:3, 7 showing 50:16 shown 39:9; 42:14; 77:18; 145:18 shows 45:14; 154:17; 161:10 shrink 65:8 side 37:8; 56:2; 86:23; 200:24, 25 sight 69:9; 70:4 sign 175:7 signature 54:24; 159:25; 160:1; 163:25 signatures 160:4; 164:1; 170:21 signed 175:8 significant 13:7; 29:10; 64:16; 161:18; 202:20 significantly 146:24 silent 21:24 silly 78:5 SILVANS 117:14, 21, 24; 118:3 similar 30:1, 15; 52:11; 64:18; 155:6 simple 23:19; 60:5; 76:3; 78:24; 102:25; 132:3; 183:12; 191:17, 18 simplicity 39:6 simply 11:1; 23:1, 11; 52:24; 53:2 simultaneously 143:10 single 124:1 sinking 27:1 sit 48:19; 51:23; 72:18 site 205:5 sits 112:20 sitting 25:25; 146:9 situation 27:9, 16; 30:2; 32:17; 53:1; 113:19; 149:3; 177:11; 185:21; 188:14; 193:25; 197:18 situations 40:22 six 48:9; 128:11 size 60:11; 63:23; 85:16, 21, 23; 117:17; 157:16; 173:24 skilled 13:18 slaves 99:8</p>	<p>sledge 49:1 slide 17:24; 36:9; 37:7; 95:18; 138:8, 13; 139:8; 145:10; 154:8 slides 25:9; 56:25; 72:19; 94:22; 97:4, 5, 9; 133:19; 153:16; 154:12; 155:24; 204:8 slightly 82:24; 140:2 slow 194:4 small 60:9; 96:14; 123:24; 159:21 snapshot 139:14 so--Tom 20:2 software 34:18, 23; 142:15; 182:17, 24 sold 152:18 solid 73:25; 75:3; 141:13 solution 74:15; 84:21; 106:15; 180:15; 192:21, 22 solutions 30:15 solve 58:19, 20; 65:4 solve--they're 65:4 some--one 174:20 somebody 32:11; 104:3; 205:13 somehow 70:3; 85:17; 138:24 someone 24:3; 27:9; 79:11; 115:20; 116:18; 204:24 someone--it 104:13 something...something 106:2 Sometimes 22:1; 55:1; 117:16; 140:4 somewhat 42:16; 155:4; 192:3 somewhere 32:3; 72:7; 127:24; 172:20; 183:2, 3, 24; 184:20 somewhere--the 172:19 Sonja 7:13; 25:10; 26:4; 39:9; 79:3; 133:4 soon 103:6; 108:22, 23; 200:18 sophistication 43:12 SOPs 48:14; 195:17; 197:6, 7 sorry 53:17; 62:4; 97:8, 11; 171:22 sort 8:22; 9:1, 15, 18; 10:6, 8, 8; 11:5, 17; 12:5; 18:3; 31:25; 60:19, 24, 25; 66:16, 22, 24; 67:5, 8, 21; 68:6; 76:3; 77:17; 79:5; 89:15; 92:15; 94:2; 98:9; 112:14; 114:4; 116:23, 24; 122:19; 130:12; 132:9; 133:15; 152:22; 156:8; 161:21; 170:15, 18; 173:14; 174:4; 176:2, 23; 178:17; 181:23; 189:20, 23; 190:5, 6, 7; 192:14; 194:20; 199:3; 200:9;</p>	<p>201:11, 11; 202:3; 203:16 sound 48:6; 54:17 sounded 21:3 sounds 137:11, 11 sources 32:25; 66:23 southeast 96:22 span 98:10 sparsely 28:16 speak 81:15; 112:3; 200:14 speaker 6:9 speaking 63:2; 120:12; 132:18; 173:20; 187:24; 190:17 speaks 54:2 spec 70:11; 84:6, 6, 8 special 4:20; 10:25; 67:9; 199:3 specific 26:12; 49:13; 63:21; 68:3, 4; 106:11; 114:15; 126:22; 132:19; 133:6; 144:9, 10; 148:20; 169:9; 179:4, 22; 183:3; 202:21 specific--whether 106:10 specifically 131:10; 152:2; 176:5; 187:11 specification 68:25; 69:16; 70:7, 8, 90:16; 147:10; 198:13 specifications 11:18, 21; 54:17; 68:20; 153:22; 190:25; 198:7 specificity 36:16; 60:12 specifics 63:9, 15 specifies 98:10 specify 108:14; 123:4; 125:4 specs 149:18, 20, 20, 23, 24, 24; 150:2, 11 spectra 80:8 spectral 78:8, 9, 14; 80:3; 81:20; 176:1 spectrometer 132:23 Spectrometers 74:22; 75:2 spectrum 160:2 spell 182:24 spelling 197:16 spend 122:16; 172:18 spending 125:12; 205:10 spent 21:21; 48:9 sponsors 5:6 spoon-feed 172:24 spot 178:12 stability 44:25 staff 13:18; 96:20 staffers 134:5 stage 45:10; 49:25; 82:4; 90:12; 92:13; 142:14 stages 80:11; 90:21 stand 51:1; 133:23</p>	<p>standard 47:13; 52:18; 129:16; 160:23; 163:3; 194:19 standards 54:5, 6; 133:13, 14; 203:17, 18 standing--or 134:18 stands 30:11; 55:13; 117:10 starred 171:15 stars 169:13 start 12:12, 23, 25; 13:3; 14:11; 16:14; 24:5; 28:20; 31:17, 20; 32:3; 41:8, 18; 48:25; 51:23; 59:5, 7, 16; 60:3; 68:6; 69:7; 71:23; 77:7, 14; 86:13, 14; 89:24; 90:3; 95:1, 22; 99:5; 108:23; 114:12; 127:10, 23; 185:11; 190:6; 196:15 started 16:13, 15; 17:9; 18:4; 72:6; 82:11; 89:13; 121:11; 152:17; 167:6; 186:23; 190:7; 198:24 starting 6:24; 8:23; 21:14; 24:2; 90:5; 101:16; 118:3; 129:6 starts 12:23; 120:2; 193:19 starts--takes 146:21 state 23:2; 66:18; 69:10; 70:4; 175:1 stated 85:21; 152:8; 159:8 statement 4:6, 8; 18:16; 25:6; 29:22; 66:15; 95:23; 98:9; 99:17; 100:1, 12; 104:7; 111:4; 116:16; 124:11; 125:8; 128:12 statements 4:23; 26:12; 41:3; 55:6; 68:8; 97:10; 110:16 states 71:3; 150:20; 152:18 static 43:10; 127:15; 142:1 statistical 62:19; 73:16; 75:15 statistically 27:8, 18; 55:16; 75:18; 76:23; 77:3; 80:21; 82:14; 83:20, 24; 85:22; 91:10 statistician 91:11 statistics 168:3; 170:3, 18, 19; 186:25 stay 21:23 staying 180:24 stearate 157:19 step 20:12; 40:3; 119:17; 153:18; 158:14; 181:21, 22; 188:1; 194:21; 195:18, 24; 203:24 steps 87:20; 119:10; 162:7; 190:6 Sterile 7:5 Steve 185:10 stick 78:18; 80:1; 87:24</p>	<p>sticks 68:12 still 15:8; 18:23; 24:17; 29:9; 31:21; 32:22; 34:9; 57:18; 68:12, 20; 70:2; 78:16; 98:23; 106:24; 108:8; 109:24; 112:18; 130:17; 133:2; 149:24; 154:1, 2; 155:7, 8; 156:3; 159:9; 172:21; 181:14; 186:22; 187:4; 197:5; 198:11 still--all 69:21 still--if 121:23 stints 184:22 stone 152:10, 16 stop 44:7; 145:2; 151:9; 203:25 stopping 51:9 stops 196:3 storage 36:5; 78:10, 20; 79:15; 81:21, 23; 82:7 store 79:10; 82:22 stored 78:8; 79:2, 21 stores 82:2 storing 78:13 straight 74:7 straighten 115:24 straightens 116:4 straightforward 73:25 strange 61:16 strategic 168:18 strategies 123:20; 169:17 strategy 66:12; 92:9 strategy--when 199:16 stream 108:4 strengths 174:13; 178:18 strict 195:17; 197:5 strike 125:19; 126:7 strong 156:3; 188:2 strongly 192:18 structural--you 64:22 structure 141:18; 168:13; 173:13, 14; 202:5 struggles 61:14 stuck 186:25 students 98:1; 173:22 studied 157:2 studies 160:8; 164:24; 172:10; 173:23; 186:4, 6; 201:23, 24; 202:1, 5 study 35:18; 145:1; 173:17; 185:16 studying 104:21 stuff 72:18; 117:6; 188:10 sub-group 166:23 sub-groups 134:19 sub-potent 69:19 Subcommittee 4:4, 11; 56:23; 57:4; 59:23 subject 68:22; 152:15; 161:17; 168:17</p>
--	---	---	--	--

submission 11:23; 94:3; 146:7; 199:8, 15; 202:9
submissions 164:24; 165:4
submitted 160:11; 185:10
submitting 4:24
subscribe 16:9
subsequent 42:1, 5; 144:19; 145:25
subsets 187:3
substantially 22:14; 117:5
substitute 103:18
subtle 68:19
succeed 92:18
success 88:23; 201:4
successes 146:5
successful 141:24
sudden 32:2; 69:23; 71:12; 121:15
suddenly 32:3; 127:23
suffice 179:8
sufficient 83:3; 193:23; 202:23
suggest 23:17; 39:1; 105:14; 187:9
suggesting 68:11
suggestion 22:24; 52:6; 100:6, 22; 126:16; 201:2
suggestions 9:17; 182:14
suitability 23:3, 9; 129:2; 156:10; 157:4, 23; 159:7; 168:2; 198:18; 199:2
suitable 22:18; 66:15; 100:23; 101:1; 102:9; 148:15, 17; 198:9
sum 18:4; 164:1
summaries 14:17
summarize 9:6; 16:17
summarizing 151:17
summary 10:13; 23:17; 171:19; 172:7; 187:19; 204:8
super-potent 69:18
superb 179:19
supersede 162:19
supplement 11:6, 9, 14; 160:13; 193:8; 199:23
supplied 172:14
support 94:21; 197:22
supported 145:13
suppose 77:2
supposed 176:3; 196:16
Sure 21:18; 22:16; 23:3; 35:3; 36:3; 41:2; 55:22; 72:12; 82:15; 87:15; 110:1; 111:21, 25; 125:15; 130:17; 133:24; 138:14, 16; 164:8; 166:12; 167:3, 5; 170:4, 23; 177:6; 178:6; 180:22; 183:20;

186:5; 187:5; 190:3; 197:2, 13; 203:1; 204:4; 205:17
sure-I 73:11; 114:24
surprised 84:5
surprising 128:24
surrogate 164:7
suspect 28:14; 169:7
suspension 182:10
suspensions 58:24
switch 44:21
syllabus 167:9; 168:11
synopsis 114:10
system 10:3, 5; 18:8; 20:15; 27:4, 5; 34:16; 36:2; 37:17; 56:20; 62:21; 64:23; 72:3; 74:13; 76:9; 16; 77:21; 80:3; 88:24; 89:9, 11, 12; 90:6; 94:21; 113:3; 118:14; 120:6; 121:5; 139:8; 146:8, 8; 149:9, 12; 150:8; 180:6, 17; 190:24; 191:20; 193:10, 19; 195:10, 15, 22, 23; 196:5, 7, 20, 20; 200:2
system's 78:4
systematic 30:1, 9, 11, 12, 16
systems 17:12; 20:6, 8, 11; 64:24; 74:14; 76:17; 82:12; 120:24; 122:14; 140:20, 23, 23; 142:18; 143:6, 18; 162:5; 166:19, 21; 170:2, 6, 10; 180:19; 181:15; 191:17, 18; 192:1, 2; 196:2, 13, 14, 18; 199:20; 201:17
systems-and 59:2; 169:25
systems-based 166:11

T

T2 51:17
T3A 97:14
table 6:23; 10:25; 33:10; 123:22; 161:9, 10
tablet 45:21; 48:1; 60:18; 73:24; 74:8; 75:9, 17; 76:23; 78:2, 6, 15, 22, 23; 79:1; 80:21, 23; 81:1, 6, 6, 11, 13, 14; 83:18; 84:19, 19; 86:7, 10, 12, 13; 87:3, 11, 16, 18; 150:6, 7; 191:18
tableting 70:11
tablets 45:25; 46:4; 69:13, 18, 21, 21, 22, 23; 70:10; 71:13; 75:18; 79:25; 80:20; 83:21; 84:1, 2, 4; 85:11; 86:14; 87:9; 88:4, 6, 10, 13, 15, 16; 90:14; 124:1, 4; 145:5; 161:12
tabular 48:10
tails 172:2

talk 29:21; 39:24, 25; 40:1, 2; 47:2; 73:22; 76:9; 86:22; 89:18, 22; 91:4; 95:1; 107:5; 115:8; 144:20; 155:11; 175:18; 181:2; 191:7; 192:12; 198:21; 199:3; 202:25; 205:8, 13
talked 56:22; 68:24; 103:3; 116:20; 144:8; 151:4; 159:24; 179:2, 3; 188:3; 201:24
talking 19:4; 23:8, 9; 25:19; 32:14; 37:4; 39:15; 43:1; 65:14; 70:9; 73:15, 20; 74:1, 17; 77:25; 106:6; 109:18; 114:16; 119:4, 10; 120:23; 121:11; 124:21; 129:10, 12; 131:10; 133:5; 179:20; 183:10; 188:10; 191:10
talks 75:23; 192:13
taping 189:3
target 12:14, 18; 52:21, 24
Targets 142:25
task 12:3; 51:11
taught 185:14
teach 142:10
teaching 185:14
team 11:11; 92:1; 133:21; 165:13; 169:7; 175:3; 198:6; 199:9, 21
team-so 11:11
team-which 169:3
team-based 173:17
teams 173:24, 25
teamwork 92:7, 18
technical 9:14; 41:21; 197:22
technically 48:21
technique 68:4; 104:10; 149:5; 181:13
techniques 12:18; 19:13; 27:10; 78:17; 161:11; 170:8; 181:20
Technologies 4:4, 10; 8:6; 10:9; 11:2; 12:23; 15:18; 28:16, 25; 43:21; 62:7, 15, 17; 67:19; 95:10; 112:9; 138:23, 25; 155:15; 175:20; 195:13
technologies-and 58:17
Technology 7:5; 10:20; 11:15; 15:19; 16:11; 21:8; 22:20; 45:9; 53:18; 65:5, 20, 21, 22; 67:8; 69:7; 73:1, 4, 5, 6, 6; 93:1; 106:22; 120:5; 121:4; 141:15; 144:1; 146:14, 16, 21; 152:11; 154:10, 15; 157:10, 15; 159:20; 176:21; 195:11; 202:21
telling 51:6; 57:8, 10; 60:17; 80:4
tells 78:19; 80:5; 81:1;

150:8
temptation 122:13
tempted 125:7
ten 64:15; 73:10
tend 38:16; 66:11; 113:21
Tennessee 173:15; 174:12; 179:3
term 78:13; 108:11; 112:21; 164:3; 170:14; 176:6; 191:22
terminate 174:6
terminology 16:10; 85:1; 155:4; 188:20
terms 10:17; 11:25; 12:1; 25:17; 31:22; 34:24; 36:20; 37:5; 40:8; 48:6; 54:14, 19; 59:20; 60:11; 61:1, 24; 65:5; 69:10; 78:21; 85:20; 91:21; 93:19; 95:2; 133:5; 148:12, 24; 150:14; 160:5; 164:14, 16, 18; 171:9; 172:11; 179:4, 9, 10, 11; 187:4; 189:22; 191:19, 24; 192:8, 21; 195:5; 205:1
terribly 14:24
territory 32:15
test 42:8; 45:12; 55:11; 80:10, 13; 161:3; 162:18; 192:22
testament 156:4
tested 153:20
testing 9:22; 11:19; 42:7, 21; 43:12; 44:17, 23, 25; 46:1; 83:3; 121:3; 158:12, 16; 160:24; 161:15, 16; 162:9; 163:7; 185:19; 190:25; 195:20, 22, 25; 202:15, 17
tests 93:7; 99:20, 21, 21; 144:19; 145:25; 161:4, 17; 162:20; 164:7
Teva 7:2; 205:9, 11
Texas 8:4
textbook 93:16
textbooks 35:20
Thanks 72:25; 93:11; 156:3; 204:13
that's-if 9:6
that's-nobody 161:20
that's-that 183:1
that-and 46:11
that-for 102:21
that-I 56:14; 191:24
that-I'd 112:21
that-I'll 42:11
that-is 197:3
that-it's 125:21
that-to 107:17
that-we 142:18
the-so 153:7
the-yeah 64:9
the-you 52:18
them-reviewing 169:11

theme 147:21, 22
themes 151:23
then-and 79:3
then-we'd 20:6
theoretical 185:18; 186:7
theoretical-the 186:10
there's-in 179:9
therefore 32:5, 23; 73:25; 82:23; 89:25; 109:11; 150:18; 158:16; 191:12
thermodynamic 35:19
these-you 138:14
Thickness 99:13
thief 47:15
think-I 177:16
thinking 15:12; 16:15; 39:2; 41:18; 73:17; 77:14; 143:10; 152:8; 176:19; 177:1, 9; 191:6; 204:9
third 23:11; 42:22; 66:21; 185:20; 203:12
this-is 58:18
thorough 37:9; 130:22
thoroughly 97:25
though 27:24; 32:13; 44:5; 65:13; 70:1; 86:22; 102:2, 20; 106:25; 110:8; 140:5; 176:17
thought 15:3; 16:4; 19:20; 20:21; 31:21, 21; 32:18; 35:24; 38:4; 41:11; 42:2; 48:4; 66:5; 81:17; 132:7; 144:25; 145:2; 152:24; 154:8; 175:11, 17; 181:7; 183:4; 185:5; 190:6
thoughts 10:14; 37:24; 72:23; 97:21, 22; 166:8
three 8:22; 23:1; 28:9; 41:22; 48:4; 48:17; 55:9, 19; 111:17; 124:2, 3; 139:11; 144:2; 153:20; 157:8; 161:20; 174:11; 185:7; 194:10; 198:8; 200:19
three's 161:21
three-day 184:22
three-lot 56:20
three-point 66:12
throughout 10:24; 74:18; 76:20; 77:4; 83:7; 196:10
throw 13:15; 44:16; 81:8; 86:12; 124:6; 152:5, 11; 163:5
throwing 86:14
thrown 116:12
thus 33:3
tie 31:1, 9; 172:7
tied 23:2; 66:14
ties 128:25; 139:1
tight 193:17, 17
time-regarding 67:7
timeliness 170:11
times 55:19; 121:12; 131:17; 138:1; 194:2;

197:19
TIMMERMANS 7:9, 9;
28:11; 30:20; 39:8; 49:5;
53:10; 61:5; 96:4, 23;
100:17; 101:2; 103:2;
106:9; 107:1, 5, 8, 13;
108:10; 114:9; 119:12, 14;
120:21; 132:17
tiny 85:2
titrated 172:21
titrations 15:10; 139:3
to--and 104:1
to--before 48:2
to--I 171:25
to--if 11:8; 61:25; 103:10
to--oh 62:4
to--to 29:8
to--who 145:14
today 9:7; 25:7; 39:1;
59:19; 60:24; 63:8; 89:4;
103:18; 137:19; 151:12;
153:19; 154:1; 156:4;
164:15; 165:16; 200:10,
11
today's 4:21; 5:2
today--where 31:3
together 19:13; 52:4;
72:18; 93:25; 146:19;
151:6; 169:5; 173:23;
178:3; 193:9
told 75:16; 145:10
Tom 7:20; 8:6; 31:1; 85:4;
95:17
tomography 176:7
tomorrow 59:21
tone 134:6
took 28:6
tool 15:6; 150:16; 153:14
tools 28:22; 29:9; 163:16;
168:8
top 31:23; 41:17; 168:11;
184:24
topics 5:2, 9, 9; 171:12,
21; 172:6; 186:15
total 74:15; 83:4, 13;
129:14; 166:10
totality 165:22
totally 33:13; 63:6; 92:24;
94:10; 126:1; 198:19
touched 27:21
towards 15:12; 200:3;
203:15, 21
trace 162:23
traceability 81:23
traceable 79:3
traced 162:21
track 16:14; 66:9; 190:4
tradition 192:1; 193:2
traditional 11:19; 31:8;
90:25; 100:14; 157:25;
162:24
traditionally 191:21
trails 171:21, 24
trained 13:18

training 8:24; 12:11, 14;
35:20; 37:21; 137:8, 8, 10;
164:20; 165:13; 166:23;
172:15; 174:7, 9, 14;
199:19; 202:11
transcripts 21:22
transfer 34:23; 35:6;
40:23; 65:15; 137:9;
159:12, 20; 171:20
transition 25:10; 188:24
translate 59:9
treat 192:1
tremendous 142:19
trend 68:21; 149:16;
150:1, 2, 4, 11; 162:14
trending 82:11
trends 82:15
trepidations 137:25
trial 192:3, 16
tried 16:6, 21; 93:9;
138:17; 153:15
trip 190:13; 205:20
trouble 100:16
true 35:21
truly 55:3; 114:11; 121:8;
166:12; 192:23; 193:5
trust 190:16
truth 75:15
try 16:17; 18:7; 23:20;
26:12; 32:8, 17; 48:23;
57:15; 65:4; 74:10; 77:24;
91:10; 97:23; 103:1;
116:8; 137:20; 151:6;
169:2; 175:2; 186:4
trying 11:10; 13:20, 20;
15:24; 25:5, 17; 26:5, 6;
29:24; 33:5; 36:11; 52:11;
53:13; 57:12; 59:11;
67:10; 83:12; 106:9;
110:2; 112:1; 113:20;
118:14; 139:23; 156:14,
15; 158:8; 179:4; 189:4;
191:7
Tuesday 204:12
tumbling 178:15
turn 151:9
turning 44:21; 197:10
two 10:15; 17:4, 6; 19:13;
22:4; 24:9, 13, 18; 25:9;
28:12; 29:9; 32:18, 19;
67:4; 68:8; 73:14; 74:1;
75:20; 83:1, 22; 91:3;
97:13, 18; 111:17; 113:12;
118:21; 121:7; 122:5;
153:13; 154:11; 172:20;
173:18; 174:11; 184:21;
188:11; 195:21; 200:15;
201:5, 8, 23; 203:2, 8;
205:15
two's 161:21
two-and-a-half-hour
189:16
two-week 184:21
tying 127:9
type 9:12; 11:13; 17:7;
19:24; 46:25; 53:14;

115:1; 118:25; 123:8;
199:25
types 30:15; 36:12;
142:25; 143:6, 6; 144:1;
190:1; 200:3
typical 69:19; 168:4;
170:7; 172:7, 7, 8
typically 168:23; 186:12
typing 95:20

U

U.S 91:20; 190:11, 22
ultimate 43:15; 45:5, 7;
134:10
ultimate--can 45:15
ultimately 45:15; 137:21;
140:17; 185:22
ultra-filtration 108:3
unacceptable 191:13;
196:11, 12
uncertainty 128:25;
129:11, 13, 14, 17, 23;
145:6
under 9:15; 44:13, 18, 20;
45:14; 52:19; 97:16;
114:18; 130:6; 146:8;
154:21; 158:7, 24; 159:1;
162:8; 175:19; 181:15, 18,
19; 187:12, 16
under--in 182:3
underlying 200:6
understandings 141:12
understands 13:19
understood 44:19;
194:20
uniform 40:23, 25; 44:6;
144:15
uniformity 38:15; 39:24;
40:8, 21; 41:1; 44:10;
48:24; 60:16; 148:23;
178:10
uniformity--and 47:3
uniformity--I've 40:22
unique 58:12; 170:9
unit 19:6, 6, 10, 11; 25:17;
28:21, 23; 42:4, 7; 56:2;
59:20; 60:12, 13; 63:18,
19; 64:4, 5, 6, 7, 7, 18;
68:4; 131:11; 140:19, 20;
144:3; 147:3; 168:21;
169:19; 177:2; 181:4, 9,
11, 14; 182:7
unit--for 63:17
United 150:19; 152:18
units 46:18
univariate 17:10; 20:7;
33:23; 139:24; 140:21;
192:2; 196:2
univariate/multivariate
37:5
universities 184:22
University 7:17, 25; 8:2,
5, 10; 138:10; 186:21
unless 114:4; 128:14;

158:6; 166:19; 188:19
Unlike 5:3
unreasonable 154:25
up 10:25; 13:17; 14:9, 24;
15:17; 16:9; 18:4, 8; 21:15;
30:14; 31:11; 33:11; 38:7;
41:23; 47:11; 48:3; 49:12;
51:1, 12; 52:1, 5; 60:1, 9;
63:2, 8; 68:21; 72:19, 23;
73:13; 74:9; 75:24; 76:11,
12; 78:8; 79:18, 22; 80:3,
25; 82:21; 84:18; 85:8;
86:21; 89:13; 91:21; 94:7;
95:1, 4, 23, 24; 96:12;
97:18, 21; 100:4; 114:12;
115:18; 117:18; 118:4, 11;
120:2, 4; 121:13; 123:7,
16; 124:11; 125:22; 126:3;
130:9; 131:19; 134:6;
137:3; 141:7, 13; 144:9;
151:23; 153:16; 154:16,
17; 158:4; 166:25; 169:12;
174:4; 175:7, 8, 17; 179:7;
181:18; 186:24; 201:11,
23; 205:9
up--and 44:14
up-down 138:17
update 53:13; 128:2;
152:15
updated 53:8
updating 127:13
upon 6:20; 47:14; 108:24
upper 141:18
upside 197:11
us--if 185:9
usage 115:24
use 9:16; 15:20; 16:3, 10;
17:7; 23:16; 24:11; 25:7;
26:1; 27:18; 30:25; 31:6,
10; 32:23; 39:20; 44:11;
47:20; 48:6; 51:16; 53:15;
58:16; 61:8, 9; 62:13, 16;
66:21; 71:4, 5; 87:5;
100:24; 101:1; 102:9, 10,
17, 23; 103:13, 17, 18;
104:16, 19; 106:18, 22;
107:19; 108:16; 110:12,
13, 19, 23; 112:15; 115:15,
16, 19; 116:2; 117:14, 16,
19, 25; 118:12; 119:9;
124:25; 125:5; 127:13, 17;
128:5; 130:6; 133:15;
142:13; 148:22; 150:15,
21; 153:17, 24; 156:17;
157:5, 9; 158:1, 10;
159:12, 24; 162:12; 163:6,
24; 167:25; 180:4; 191:23;
196:1, 9
used 15:13; 17:11; 28:22,
23; 37:18, 22; 39:1, 24;
47:3; 65:20; 70:7; 101:22;
105:8, 12, 22; 111:5;
112:10; 114:19; 115:2;
116:1; 122:11; 129:2;
130:11; 139:24; 143:23;
151:5; 155:4; 156:18, 20;
157:6; 159:7; 162:9;
163:13; 175:22; 177:12,
15; 178:21; 185:15;

191:22; 195:10
useful 22:8; 65:19; 71:7;
72:1, 4; 131:13; 139:19;
178:24; 190:3; 204:10
useful--I 65:18
user 86:18; 112:8; 159:17
uses 142:23
using 9:25; 12:1; 19:13;
24:21; 27:10; 45:25; 49:1;
50:1; 58:24, 25; 62:20;
63:25; 64:4; 66:8; 69:7;
77:3; 79:23; 90:2; 93:5, 6;
97:13; 102:5, 6; 157:11,
12, 14; 158:13, 15; 160:22;
164:6; 172:14; 174:13;
179:12
using--this 163:8
USP 46:2; 48:4; 53:13
USP-calibrated 45:25
usually 111:18; 112:3
utilization 59:12; 194:3
utilize 102:11, 13
utilized 66:20; 162:25

V

valid 118:20; 119:5;
183:21
validatable 157:23
validate 10:7; 15:22, 24;
24:12, 20, 21, 23; 32:21;
33:19, 19; 36:18; 38:21;
39:21; 45:16; 48:25; 49:2;
60:19; 62:9; 79:22, 23;
80:16; 89:10; 98:18;
102:6; 104:10, 14, 18;
108:8; 109:24; 110:4;
111:15; 113:19, 25;
118:10, 15, 17, 18; 119:8,
15; 126:13; 141:9; 149:4,
6; 154:10; 159:2
validateable 51:5
validated 17:3, 6; 18:7;
22:10; 25:7; 34:24; 36:19;
37:17; 57:7; 69:11; 80:18;
81:2, 3, 15; 82:1; 89:12;
92:24; 95:25; 98:11, 15,
19; 101:5, 19; 102:2;
104:2; 106:3; 153:23;
155:7, 8
validates 39:9
validating 22:19; 24:8;
33:15; 45:5, 8; 51:13;
65:22; 72:3; 80:7; 102:11;
109:12; 118:13; 138:18;
143:17; 154:4; 201:17
validation 9:9, 15, 16, 19;
10:3; 11:20; 12:2; 13:10;
15:14, 17; 17:7; 18:1;
20:14; 21:21, 25; 22:5, 15;
23:2, 6, 14, 18, 21; 24:9;
26:15, 24; 27:3; 28:2;
29:21, 22; 30:7, 9, 25;
31:6, 8, 20; 32:19; 33:2;
34:2, 3, 6, 6, 13, 15, 18, 23;
41:4, 7, 9; 43:8, 14, 18;
47:25; 52:9; 53:17, 22;

5:8, 12, 14, 18, 23; 56:5,
7; 57:2, 2, 4; 58:15; 59:20,
25; 61:10; 62:2, 6, 14, 16;
63:19; 66:6, 14, 17, 19;
6: 5:15; 78:21; 79:9;
82:4, 85:6, 23; 86:4; 89:16;
90:22; 91:22; 92:13, 25;
93:3, 3; 94:16; 95:3; 97:17;
101:22; 102:7; 103:7;
104:5, 22, 23; 105:2, 5;
109:6; 110:5, 13, 13, 20;
111:11, 13, 19, 20; 112:13,
24; 113:2, 6; 118:22, 25;
119:3, 5; 130:22; 133:10;
135:3; 139:6, 10, 20;
140:25; 141:20; 142:7, 8,
12, 15, 15, 23, 25; 143:2,
5; 145:21; 147:10; 148:17,
19; 151:7, 22, 24, 25;
152:3; 153:13, 14, 15, 18;
154:2; 155:4, 5, 14, 16;
163:9; 182:17, 17, 18, 22,
24; 196:4, 22; 198:9;
199:13; 203:18
validation-into 32:19
Validation-there's
118:21
validations 10:16; 51:16
validity 20:19; 25:4, 11,
12; 141:2; 168:2
valuable 30:23
value 52:21; 116:1;
176:20; 195:21
values 101:21; 102:1
variability 26:3, 7; 33:1;
64:20; 70:16; 180:16
variable 75:12; 77:5
variables 158:24; 163:15
variation 47:12; 164:9
variations 170:8
various 52:20; 106:14,
15; 145:6
vendors 183:4
venture 131:24
venturing 70:18
verification/sensor
131:22
verify 34:20; 36:15;
38:21; 42:21; 131:9;
133:1, 3
version 78:9
versus 33:22; 35:12;
49:14; 50:16; 110:3;
116:3; 149:13; 183:17
viable 55:16
view 21:11; 38:1; 74:12;
76:8; 85:18, 24; 155:12;
179:11
viewpoint 79:10
ing 48:14
virtual 36:25
vocabulary 92:15; 168:9
voice 74:21
VOICES 74:23

W

w 71:18
waiting 155:23
waiver 4:23
waivers 4:9, 19
walk 49:5; 74:20; 80:14
wall 13:15
want-in 109:2
wants 46:8; 96:2; 104:3,
11; 105:22; 133:22
warning 82:18
warranted 33:7
was-I 158:8; 201:13
was-the 154:11
Washington 8:1; 173:15;
174:11; 186:21
waste 108:4
watch 82:18; 184:7
watched 150:3
watching 44:7
water 87:24
way 12:11; 25:10; 26:2;
28:3, 8; 31:24; 33:16, 20;
39:5, 19; 40:6; 41:13; 45:8;
46:16; 47:19; 55:18; 56:1,
14; 58:13, 22; 59:1; 62:9;
64:16; 65:20, 22; 66:5;
70:24; 76:10; 78:13;
79:18; 80:7, 10, 12; 84:3;
86:17, 24, 24; 98:13;
103:21, 22; 104:8; 108:9;
120:4; 121:13; 123:23;
125:14; 128:3; 139:13;
141:10, 23; 143:3; 144:16,
16; 145:12; 149:15;
153:19; 157:3; 158:3;
160:6; 165:6; 173:11;
177:12; 180:17; 186:25;
187:14; 194:17; 195:12
ways 30:14; 41:20; 43:5,
14; 55:14; 86:5; 144:2;
164:17; 186:6; 189:19;
199:25
we're-I 110:1
we're-I'm 120:8
we-I 190:10
we-we're 71:20
we-wonderful 73:1
we-would 89:17
we-you 38:25; 108:2
weaknesses 178:19
weather 187:17; 189:14
Web 204:11
week 154:24; 172:20
weekly 130:25
weeks 121:7; 172:20
weighted 171:14
welcome 4:2
welfare 150:20
Wells 73:19; 94:13
weren't 33:18; 187:5
West 96:22

wet 74:2, 3; 184:7
what's 22:2; 26:9; 46:15;
56:25; 76:15; 80:2;
156:25, 25; 175:18
what-how 9:5
what-I'm 110:1
wheel 123:11; 142:3, 4
whenever 90:9; 203:23
whereas 26:22; 30:11;
113:15; 168:24
Whereupon 135:2;
205:22
whichever 134:23
who's 27:9; 37:20; 92:6;
182:13
whole 10:5; 13:21; 32:2;
35:17; 37:17, 23; 44:18,
20; 60:13; 69:9; 71:24;
76:6; 85:11, 24; 85:15;
87:16, 18; 88:2, 6, 12;
90:6; 114:4, 11; 117:6;
120:3, 7; 125:3; 156:24;
167:12; 171:12; 173:9;
176:8; 200:14
whose 6:19
wife 190:14
Wilkes 7:17; 185:3
willing 10:23; 11:14;
138:5; 166:20; 200:13
willingness 138:3
win/win 12:5
window 84:10, 10;
183:12, 13; 184:9
wish 6:19; 127:17; 202:14
wishes 110:9; 198:21;
199:4
within 60:12; 61:14, 15;
63:4; 84:6; 100:13;
111:23; 129:3, 18; 145:7;
170:16; 187:12; 188:5, 18
Within-batch 162:14
without 9:13; 10:2; 23:19;
63:20; 149:10; 179:24;
195:19
WOLD 24:6; 100:9;
103:12; 104:16; 105:8, 11;
108:14; 109:1; 120:12;
127:9, 21
wonder 40:16; 121:2;
175:25; 204:15
wonderful 9:7; 10:2;
73:1; 137:12; 138:7;
145:10
wondering 91:19;
111:12; 113:9; 122:15;
186:16
Woodcock's 54:1
word 27:18; 70:7; 77:3;
79:23; 87:5, 7; 99:4;
105:15, 21; 117:20, 23;
125:1, 6; 158:7, 8; 204:3,
5, 6
worded 18:10
words 16:3; 21:15; 23:25;
41:6; 90:14; 102:25;
108:12; 113:11; 120:8;

148:16; 149:14; 173:5
wordsmith 18:17
work 10:23; 13:18; 41:13,
15; 47:6; 55:19; 61:23;
72:6; 95:7, 12; 128:20;
135:3; 138:18; 153:2, 5;
199:15; 203:15
worked 48:3; 137:18;
138:14; 199:23
working 8:17, 24; 9:9;
59:23; 60:3; 138:22;
139:4; 164:21; 165:20;
166:23; 186:12; 193:18;
200:23; 202:6; 203:21
workload 9:24
WORKMAN 7:11, 11;
34:10; 38:18; 97:3, 8, 11;
98:4, 16; 99:25; 105:25;
111:4; 117:12; 124:19;
186:14; 187:9
works 16:18; 41:12, 15;
76:19; 77:24; 99:2;
104:24; 109:4; 148:10;
201:7
workshop 203:12, 13,
15, 22
workshops 164:23, 24
world 33:14; 198:15
worried 72:5
worries 76:15
worry 33:23; 77:8; 99:6;
153:3, 4
worth 89:24; 90:1; 141:8
worthwhile 15:7
wrap 14:9
wrap-up 14:23; 172:3, 3
wrapping 201:11
write 18:19; 73:18;
112:20; 152:9
writing 109:18; 158:4
written 4:24; 19:18;
54:20; 56:13; 86:1; 96:12;
117:11; 128:3
wrong 48:21; 84:21; 85:1
wrongly 178:21
wrongs 177:18

Y

year 190:13
years 33:17; 47:12;
55:10, 10; 64:15; 73:8;
77:11, 12; 81:24; 89:24,
25; 137:23; 146:13, 22, 23;
174:23; 192:6; 194:11;
200:19
Yell 172:1
yesterday 14:3; 15:4, 11;
16:13; 17:9; 18:5; 21:24;
22:5; 25:20; 26:13; 28:10;
31:19; 33:10; 41:5; 46:20;
47:2; 49:8; 58:24; 68:24;
80:13; 82:9; 84:9; 120:22;
121:12, 14; 122:7; 137:19;
164:15; 183:5; 188:3

Lawyer's Notes
