**SCORE** Par

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# Understanding Statistical Information on Item Analysis Reports

		Det	tailed	l Iter	So n Ana	cantro alysis ]	n Universi Report On	ty Midt1 Version A	A	
Course #: Course Title: Day/Time:	45223 Mgmt 449 Г,R 8-9A	M					Instructor: P Description: S Term/Year: F	rof. Scantron trategic Management all		
Total Possible Student in this Standard Devia Measure of Sko	Points: group: ation: ewness:	100.0 8 8.94 0.53	0	M M H E	ledian S lode Sc lighest S legree o	Score: ore: Score: f Kurtosi	80.00 78.00 100.00 s: 0.49	Mean Score: Variance: Lowest Score: Reliability Co	: efficient (KR20)	81.25 79.94 66.00 : 0.71
Item 1	Answer: Point Biserial: Distractor A	A 0.60 nalysis *A	- * indi B	cates c C	orrect an	Con nswer: E	rrect Responses:	Total Group: Upper 27% of Group: Lower 27% of Group:	75.00% 100.00% 50.00%	
	Pt-Biser.: Frequency%:	0.60 75.00	-0.60 25.00	0.00 0.00	0.00 0.00	0.00 0.00				



		De	tailed	l Iten	So n Ana	cantron Univer alysis Report O	sity n Midt1 Version	Α	
Course #:	45223					Instructor:	Prof. Scantron		
Course Title: Day/Time:	Mgmt 449 T,R 8-9A	M		То	tal	points p	ossible		
Total Possible	e Points:	100.0	0	or	n th	nis exam.	e:		81.25
Student in thi	s group:	8		TT	iouo oo	Sector 100.00	L avvast Saar		79.94
Measure of S	tation: kewness:	0.53		н D	egree o	f Kurtosis: 0.49	Reliability C	e: oefficient (KR20)	: 0.71
Item 1	Answer: Point Biserial	A : 0.60				Correct Response	s: Total Group: Upper 27% of Group: Lower 27% of Group:	75.00% 100.00% 50.00%	
	Distractor A	nalysis	- * indi	cates co	orrect a	nswer:	Lower 27 % of Group.	00.0078	
	1	*A	В	С	D	E			<b>T</b>
	Pt-Biser.:	0.60	-0.60	0.00	0.00	0.00			
	Frequency%:	75.00	25.00	0.00	0.00	0.00			



		Det	tailed	Item	Sc Ana	cantron Universi alysis Report On	ty Midt1 Version .	A	
Course #: 45 Course Title: Mg	223 gmt 449	M				Instructor: Pr Description: St	rof. Scantron trategic Management		
Total Possible Po Student in this gr Standard Deviation Measure of Skew	R 8-9A pints: oup: on: /ness:	100.00 8 8.94 0.53		Nu wh of	iml 10 th	oer of stu took this e exam.	dents version	e: oefficient (KR20)	81.25 79.94 66.00 : 0.71
Item 1 A	Answer: Point Biserial: Distractor A	A 0.60 nalysis	- * indic	cates con	rect ar	Correct Responses:	Total Group: Upper 27% of Group: Lower 27% of Group:	75.00% 100.00% 50.00%	
[	Pt-Biser.: Frequency%:	*A 0.60 75.00	B -0.60 25.00	C 0.00 0.00	0.00 0.00	E 0.00 0.00			
									·



		Det	aileo	l Iten	So n Ana	cantron alysis Ro	Univer eport O	sity n Midt1 V	Version A	A	
Course #: Course Title: Day/Time:	45223 Mgmt 449 T,R 8-9A	М		Sta	and	lard o	devi	ation	is a dent	scores	
Total Possible Student in this Standard Dev Measure of Sk	e Points: s group: iation: sewness:	100.00 8 8.94 0.53	)	va (U)	ry 1	from	the	mean ng gra	SCOI	re.	.25 .94 .00 71
Item 1	Answer: Point Biserial:	A 0.60	-	"g	rad	ing o	on a	curve	-".)		
	Distractor A	nalysis ·	· * indi	cates co	orrect a	nswer:		Lower 279	6 of Group:	50.00%	•
		*A	В	С	D	Е					
	Pt-Biser .:	0.60	-0.60	0.00	0.00	0.00					
	Frequency%:	75.00	25.00	0.00	0.00	0.00					



		Detaile	Scantron University ed Item Analysis Report On Midt1 Versio	on A	
Course #: Course Title: Day/Time:	45223 Mgmt 449 T,R 8-9A	М	Instructor: Prof. Scantron Description: Strategic Managemer Term/Year: Fall	nt	
Total Possible Student in thi Standard Dev Measure of S	e Points: is group: viation: kewness:	100.00 8 8.94 0.53	Degree of asymmetry of the distribution around its mean.	e: 81.25 79.94 ore: 66.00 Coefficient (KR20): 0.71	
Item I	Answer: Point Biserial:	A 0.60	Upper 21% of Gro	75.00% oup: 100.00%	
	Positiv Negati	ve skev ive ske	wness means that scores tend to wness means that scores tend	o be higher. to be lower.	



	Detaile	Scantr d Item Analysis	on University Report On N	y Midt1 Version A	A	
Course #: 45223 Course Title: Mgmt 449 Day/Time: T,R 8-9	9AM		Instructor: Prot Description: Stra Term/Year: Fall	f. Scantron Itegic Management		
Total Possible Points: Student in this group Standard Deviation: Measure of Skewnes Item 1 Ans Poin Dis	edian es in tl e arra	Median Score: Mode Socrat SCORE is t he middle nged nur	80.00 TR 00 TR 00	Mean Score: Variance: e that scores y.	fficient (KR20 75.00% 100.00% 50.00%	81.25 79.94 66.00 )): 0.71
Example: 91, the n	If the s nedian s	student scor core is 79.	res are 66,	, 78, 79, 91	, &	



Course #: 45223	Detaile	Scantro d Item Analysis	on University Report On N	y Midt1 Version A	
Course Title: Mgmt 449			Description: Stra	itegic Management	
Day/Time: T,R 8	8-9AM		Term/Year: Fall	l	
Total Possible Points:	100.00	Median Score:	80.00	Mean Score:	81.25
Student in this group:	8	Mode Score:	78.00	Variance:	79.94
Standard Deviation:	8.94	Highest Score	100.00	Lowest Score:	66.00
Measure of Skewness:			• • • •	Coefficient (	KR20): 0.71
Item 1 Answer: Point Bis	Mode s	ntly occu	rring s	COTE. 75.00% p: 100.00% p: 50.00%	
Example 91, the r	: If the st node scor	tudent score re is 91.	s are 66,	78, 79, 91, &	



		Det	tailed	Iten	Sc n Ana	antron Univers llysis Report Or	ity n Midt1 Version A	A	
Course #: Course Title:	45223 Mgmt 449					Instructor: F Description: S	Prof. Scantron Strategic Management		
Day/Time: Total Possibl	T,R e Points	Hig	hes	st s	cor	e on the	exam.		81.25
Student in thi Standard Dev	s group:	8 8.94		M H	lode Sco ighest S	ore: 78.00	Variance: Lowest Score		79.94 66.00
Measure of S	kewness:	0.53		D	egree of	Kurtosis: 0.49	Reliability Co	efficient (KR20):	0.71
Item 1	Answer: Point Biserial	A : 0.60	w· 1.			Correct Responses:	Total Group: Upper 27% of Group: Lower 27% of Group:	75.00% 100.00% 50.00%	
	Distractor A	nalysis *A	- * indic B	cates co C	Drrect an	swer:			
	Pt-Biser.:	0.60	-0.60	0.00	0.00	0.00			
	Frequency%:	75.00	25.00	0.00	0.00	0.00			



	Scantron University Detailed Item Analysis Report On N	v Aidt1 Version A	
Course #: 45223	Instructor: Prof	f. Scantron tegic Management	
Day/Time: The	degree of peakedness	Or	
Total Possibl <b>flat</b>	less seen in score distr	ibutions.	81.25 79.94
Standard Deviation: Measure of Skewness:	8.94Highest Score100.000.53Degree of Kurtosis:0.49	Lowest Score: Reliability Coefficie	66.00 ent (KR20): 0.71
<i>positive</i> kurtosis and some very low <i>negative</i> kurtosis o maybe the test	means the score distribution is peaked , so there is a huge difference between s means the score distribution is flat. ( was too easy)	i (i.e., some stude top and lower stu i.e., everyone scor	nts scored very high dents) red about the same,
near zero value i	for kurtosis is a <u>normal</u> score distributio	on (i.e., a few A's,	some B's, some C's,







	Deta	ailed l	S Item An	cantron Universi alysis Report On	ity Midt1 Version A	A	
Course #: 45223 Course Title: Mgmt 449 Day/Time: T,P 8-9	ΔΜ			Instructor: P Description: S Term/Vear: F	rof. Scantron trategic Management		
Total Possible Po Student in this gr	leas	ure	of v	ariability	Mean Score: Variance:		81.25
Standard Deviation.	8 0/		Uighast	Sec. 100.00	Lowest Soons		00.00
Standard Deviation:	0.54		nignesi	Score: 100.00	Lowest Score	•	66.00
Measure of Skewness:	0.53		Degree	of Kurtosis: 0.49	Reliability Co	: efficient (KR20):	66.00 0.71
Standard Deviation:   Measure of Skewness:   Item 1 Answer:   Point Biseria   Distractor A	0.53 A l: 0.60	* indicat	Degree	of Kurtosis: 0.49 Correct Responses:	Total Group: Upper 27% of Group: Lower 27% of Group:	: pefficient (KR20): 75.00% 100.00% 50.00%	0.71
Standard Deviation:   Measure of Skewness:   Item 1 Answer:   Point Biseria   Distractor A	0.53 A l: 0.60 Analysis - *A	* indicat B C	tes correct a	of Kurtosis: 0.49 Correct Responses: answer: E	Total Group: Upper 27% of Group: Lower 27% of Group:	: pefficient (KR20): 75.00% 100.00% 50.00%	0.71
Standard Deviation:   Measure of Skewness:   Item 1 Answer:   Point Biseria   Distractor A   Pt-Biser.:	0.53 A 1: 0.60 Analysis - *A 0.60	* indicat B C	tes correct a	answer: E 0.00	Total Group: Upper 27% of Group: Lower 27% of Group:	: efficient (KR20): 75.00% 100.00% 50.00%	0.71



		Det	tailed	Iten	Sc n Ana	cantron Univer alysis Report O	sity In Midt	t1 Version A	A	
Course #: Course Title: Day/Time:	45223 Mgmt 449 T,R 8-9A	M				Instructor: Description: Term/Year:	Prof. Scar Strategic Fall	ntron Management		
Total Studer Standard Dev Measure of SI	LOWES	t sc 8.94 0.53	cor	ео н D	Ignest S regree of	he exam		Mean Score: Variance: Lowest Score: Reliability Co	efficient (KR2	81.25 79.94 66.00 0): 0.71
Item 1	Answer: Point Biserial: Distractor A	A : 0.60 nalysis *A	- * india B	cates co C	orrect ar	Correct Response nswer: E	s: Total ( Upper Lower	Group: 27% of Group: 27% of Group:	75.00% 100.00% 50.00%	
	Pt-Biser.: Frequency%:	0.60 75.00	-0.60 25.00	0.00 0.00	0.00 0.00	0.00 0.00				







	Detail	Scantron University ed Item Analysis Report On Midt1 Version A	
Course #: Course Title: Day/Time:	45223 Mgmt 449 T,R 8-9AM	Instructor: Prof. Scantron   Point Biserial (PBCC) measures	
Total Possible Student in this Standard Devi Measure of Sk	e Points: 100.00 s group: 8 iation: 8.94 kewness: 0.53	how well a question discriminates between "A" students, "B" students, etc.	}1.25 '9.94 \$6.00 ).71
Item 1	Answer: A Point Biserial: 0.60	Upper 27% of Group: 100.00%	_
	Distractor Analysis - * *A B Pt-Biser.: 0.60 -0 Frequency%: 75.00 25	.30 or above = very good test question .20 to .29 = reasonably good test question .09 to .19 = needs improvement below .09 = poor test question	



Scantron Univ Detailed Item Analysis Report	versity t On Midt1 Version A
Course #:45223InstructoCourse Title:Mgmt 449DescriptionDay/Time:T,R8-9AMTerm/Ye	r: Prof. Scantron ion: Strategic Management ear: Fall
Measures how well each response discriminates	Mean Score:81.25Variance:79.94Lowest Score:66.00Reliability Coefficient (KR20):0.71
<sup>T</sup> between "A" students, "B" students, etc.	Dises:   Total Group:   75.00%     Upper 27% of Group:   100.00%     Lower 27% of Group:   50.00%
*A B C D E Pt-Biser.: 0.60 -0.60 0.00 0.00 0.00 Frequency%: 75.00 25.00 0.00 0.00 0.00	



	Detailed	Scantro l Item Analysis	on Universi Report On	ty Midt1 Version A	A
Course #: 45223 Course Title: Mgmt 449 Day/Time: T,R 8-	ЭАМ		Instructor: Pr Description: S Term/Year: F	rof. Scantron trategic Management all	
Total Possible Points: Student in this group: Standard Deviation:	100.00 8 8.94 0.53	Median Score: Mode Score: Highest Score:	80.00 78.00 100.00	Mean Score: Variance: Lowest Score: Reliability Co	81.25 79.94 66.00 efficient (KR20): 0.71
Shows the	nerce	nt of stu	dents	Fatal Casure	
who chose	e that i	response	•	Upper 27% of Group: Lower 27% of Group:	75.00% 100.00% 50.00%
who chose	*A B 0.60 -0.60	C D E	•	Jpper 27% of Group: Lower 27% of Group:	75.00% 100.00% 50.00%



		Det	ailed	l Iter	So n Ana	cant alysi	tron Universi is Report On	ty Midt1 Version A	A	
Course #: Course Title: 1 Day/Time: 7	45223 Mgmt 449 Г,R 8-9А	М					Instructor: Pr	ows the p	percent	of
Total Possible Student in this Standard Devia Measure of Sko	Points: group: ation: ewness:	100.00 8 8.94 0.53	)	M N H D	Iedian S Iode Sco Iighest S Degree o	Score ore: Score f Kur	studen questic	ts who an on one col Renadi ity Co	swered rrectly.	1
Item 1	Answer: Point Biserial Distractor A	A 0.60 nalysis	- * indi	cates c	orrect ar	nswer	Correct Responses:	Total Group: Upper 21% of Group: Lower 27% of Group:	75.00% 100.00% 50.00%	
		*A	В	С	D	Е				_
	Pt-Biser.:	0.60	-0.60	0.00	0.00	0.00	)			
	requency%:	75.00	25.00	0.00	0.00	0.00	J			



		Def	tailed	l Iter	So n Ana	cant alys <mark>i</mark>	ron University a Depart On Midt1 Version A
Course #: Course Title: Day/Time:	45223 Mgmt 449 T,R 8-9A	M					Shows what percent of the students who scored in the
Total Possible Student in this Standard Devis Measure of Sk	Points: group: ation: ewness:	100.00 8 8.94 0.53	)	N N H E	Aedian S Aode Sc Iighest S Degree o	Score ore: Score f Ku	answered question one correctly.
Item 1	Answer: Point Biserial: Distractor Ar	A 0.60 nalysis -	- * indi	cates c	orrect a	nswer:	Correct Responses:Total Group:75.00%Upper 27% of Group:100.00%Lower 21% of Group:50.00%
	Pt-Biser.: Frequency%:	*A 0.60 75.00	B -0.60 25.00	C 0.00 0.00	D 0.00 0.00	E 0.00 0.00	



	De	tailed	l Iter	So n Ana	cant alysi
Course #: 45223 Course Title: Mgmt 449 Day/Time: T,R 8-	9AM				_
Fotal Possible Points: Student in this group: Standard Deviation: Measure of Skewness:	100.0 8 8.94 0.53	0	M M H D	Iedian S Iode Sc Iighest S Degree o	Score ore: Score f Ku
Item 1 Answer: Point Biser Distractor	A ial: 0.60 Analysis	- * indi	cates c	orrect a	nswer:
Dt Disert	*A	B	C	D	E
Frequency	U.6U %· 75.00	-0.60	0.00	0.00	0.00

