

Appendices

Appendix 1. Error statistics (500 trials, gag grouper) from length frequency cutting (slicing) for six levels of cohort abundance variation.

CV = 0.05

Age	Length		CV = 0.05																											
			Invariant				Two Fold				Three Fold				Four Fold				Five Fold				Ten Fold							
	$\bar{\epsilon}$	s[ϵ]	# trials		$\bar{\epsilon}$	s[ϵ]	# trials		$\bar{\epsilon}$	s[ϵ]	# trials		$\bar{\epsilon}$	s[ϵ]	# trials		$\bar{\epsilon}$	s[ϵ]	# trials		$\bar{\epsilon}$	s[ϵ]	# trials							
μ	s	$\epsilon=1$	$\epsilon=\infty$	ϵ	s[ϵ]	$\epsilon=1$	$\epsilon=\infty$	ϵ	s[ϵ]	$\epsilon=1$	$\epsilon=\infty$	ϵ	s[ϵ]	$\epsilon=1$	$\epsilon=\infty$	ϵ	s[ϵ]	$\epsilon=1$	$\epsilon=\infty$	ϵ	s[ϵ]	$\epsilon=1$	$\epsilon=\infty$	ϵ	s[ϵ]	$\epsilon=1$	$\epsilon=\infty$			
0	10.0	0.50	0.00	0.00	0	0	0.00	0.00	0	0	0.00	0.00	0	0	0.00	0.00	0	0	0.00	0.00	0	0	0.00	0.00	0	0	0.00	0.00	0	0
1	26.1	1.31	0.00	0.00	0	500	0.00	0.00	0	500	0.00	0.00	0	500	0.00	0.00	0	500	0.00	0.00	0	500	0.00	0.00	0	500	0.00	0.00	0	500
2	39.8	1.99	0.01	0.00	0	0	0.01	0.00	0	0	0.01	0.01	0	0	0.01	0.01	0	0	0.01	0.01	0	0	0.01	0.01	0	0	0.01	0.01	0	0
3	51.5	2.58	0.01	0.01	0	0	0.02	0.01	0	0	0.02	0.02	0	0	0.02	0.02	0	0	0.03	0.03	0	0	0.04	0.05	0	0	0.04	0.05	0	0
4	61.5	3.08	0.04	0.01	0	0	0.04	0.02	0	0	0.04	0.03	0	0	0.05	0.04	0	0	0.06	0.05	0	0	0.08	0.08	0	0	0.08	0.08	0	0
5	70.0	3.50	0.02	0.01	0	0	0.05	0.04	0	0	0.08	0.07	0	0	0.10	0.10	0	0	0.12	0.11	0	0	0.19	0.24	0	0	0.19	0.24	0	0
6	77.3	3.86	0.03	0.02	0	0	0.08	0.07	0	0	0.12	0.12	0	0	0.17	0.17	0	0	0.21	0.21	0	0	0.29	0.37	0	0	0.29	0.37	0	0
7	83.4	4.17	0.03	0.03	0	0	0.11	0.08	0	0	0.17	0.15	0	0	0.20	0.20	0	0	0.25	0.26	0	0	0.38	0.50	0	0	0.38	0.50	0	0
8	88.7	4.43	0.05	0.03	0	0	0.12	0.08	0	0	0.19	0.15	0	0	0.21	0.19	0	0	0.25	0.23	0	0	0.38	0.51	0	0	0.38	0.51	0	0
9	93.2	4.66	0.10	0.06	0	0	0.13	0.08	0	0	0.20	0.14	0	0	0.25	0.18	0	0	0.27	0.22	0	0	0.45	0.55	0	0	0.45	0.55	0	0
10	97.0	4.85	0.18	0.08	0	0	0.19	0.11	0	0	0.23	0.14	0	0	0.27	0.17	0	0	0.32	0.25	0	0	0.42	0.44	0	0	0.42	0.44	0	0
11	100.2	5.01	0.09	0.07	0	0	0.16	0.12	0	0	0.24	0.20	0	0	0.30	0.28	0	0	0.37	0.37	0	0	0.55	0.73	0	0	0.55	0.73	0	0
12	103.0	5.15	0.16	0.11	0	0	0.23	0.20	0	0	0.31	0.30	0	0	0.37	0.40	0	0	0.47	0.53	0	0	0.61	0.84	0	0	0.61	0.84	0	0
13	105.4	5.27	0.17	0.12	0	0	0.19	0.13	0	0	0.26	0.17	0	0	0.31	0.25	0	0	0.32	0.26	0	0	0.53	0.65	0	0	0.53	0.65	0	0
14	107.4	5.37	0.19	0.13	0	0	0.22	0.19	0	0	0.32	0.29	0	0	0.35	0.38	0	0	0.44	0.48	0	0	0.71	0.97	0	0	0.71	0.97	0	0
15	109.1	5.46	0.38	0.20	0	0	0.35	0.19	0	0	0.35	0.20	0	0	0.38	0.21	0	0	0.40	0.22	0	0	0.53	0.48	0	0	0.53	0.48	0	0
16	110.6	5.53	0.67	0.42	0	0	0.67	0.46	0	0	0.82	0.67	0	0	0.90	0.84	0	0	0.97	0.96	0	0	1.30	1.63	0	0	1.30	1.63	0	0
17	111.8	5.59	0.33	0.26	5	0	0.32	0.25	0	0	0.38	0.32	0	0	0.43	0.40	0	0	0.46	0.48	0	0	0.63	0.82	0	0	0.63	0.82	0	0
18	112.9	5.64	0.47	0.44	20	0	0.51	0.48	2	0	0.55	0.56	0	0	0.63	0.72	0	0	0.63	0.68	0	0	0.88	1.29	0	0	0.88	1.29	0	0
19	113.8	5.69	0.71	0.67	23	0	0.83	0.83	4	0	0.82	0.78	0	0	0.88	0.93	0	0	1.09	1.24	0	0	1.30	1.63	0	0	1.30	1.63	0	0
20	114.6	5.73	8.13	2.77	0	0	7.70	3.82	0	0	7.89	4.52	0	0	8.06	5.11	0	0	8.86	6.73	0	0	9.88	8.78	0	0	9.88	8.78	0	0

CV = 0.15

Age	Length		CV = 0.15																											
			Invariant				Two Fold				Three Fold				Four Fold				Five Fold				Ten Fold							
	$\bar{\epsilon}$	s[ϵ]	# trials		$\bar{\epsilon}$	s[ϵ]	# trials		$\bar{\epsilon}$	s[ϵ]	# trials		$\bar{\epsilon}$	s[ϵ]	# trials		$\bar{\epsilon}$	s[ϵ]	# trials		$\bar{\epsilon}$	s[ϵ]	# trials							
μ	s	$\epsilon=1$	$\epsilon=\infty$	ϵ	s[ϵ]	$\epsilon=1$	$\epsilon=\infty$	ϵ	s[ϵ]	$\epsilon=1$	$\epsilon=\infty$	ϵ	s[ϵ]	$\epsilon=1$	$\epsilon=\infty$	ϵ	s[ϵ]	$\epsilon=1$	$\epsilon=\infty$	ϵ	s[ϵ]	$\epsilon=1$	$\epsilon=\infty$	ϵ	s[ϵ]	$\epsilon=1$	$\epsilon=\infty$			
0	10.0	1.50	0.00	0.00	0	322	0.00	0.00	0	384	0.00	0.00	0	423	0.00	0.00	0	441	0.00	0.00	0	470	0.00	0.00	0	482	0.00	0.00	0	482
1	26.1	3.92	0.00	0.00	0	500	0.00	0.00	0	500	0.00	0.00	0	500	0.00	0.00	0	500	0.00	0.00	0	500	0.00	0.00	0	500	0.00	0.00	0	500
2	39.8	5.98	0.15	0.01	0	0	0.15	0.04	0	0	0.14	0.06	0	0	0.14	0.07	0	0	0.16	0.07	0	0	0.19	0.13	0	0	0.19	0.13	0	0
3	51.5	7.73	0.02	0.01	0	0	0.09	0.07	0	0	0.14	0.11	0	0	0.17	0.16	0	0	0.23	0.23	0	0	0.31	0.37	0	0	0.31	0.37	0	0
4	61.5	9.23	0.06	0.02	0	0	0.14	0.08	0	0	0.19	0.15	0	0	0.23	0.21	0	0	0.29	0.27	0	0	0.44	0.57	0	0	0.44	0.57	0	0
5	70.0	10.50	0.04	0.02	0	0	0.14	0.09	0	0	0.20	0.16	0	0	0.28	0.25	0	0	0.33	0.32	0	0	0.46	0.62	0	0	0.46	0.62	0	0
6	77.3	11.59	0.03	0.03	0	0	0.15	0.10	0	0	0.23	0.19	0	0	0.29	0.26	0	0	0.32	0.32	0	0	0.56	0.75	0	0	0.56	0.75	0	0
7	83.4	12.51	0.04	0.03	0	0	0.16	0.11	0	0	0.24	0.19	0	0	0.31	0.29	0	0	0.38	0.37	0	0	0.54	0.69	0	0	0.54	0.69	0	0
8	88.7	13.30	0.06	0.04	0	0	0.16	0.12	0	0	0.23	0.18	0	0	0.33	0.28	0	0	0.40	0.40	0	0	0.56	0.77	0	0	0.56	0.77	0	0
9	93.2	13.98	0.09	0.06	0	0	0.16	0.10	0	0	0.24	0.18	0	0	0.29	0.24	0	0	0.38	0.32	0	0	0.57	0.70	0	0	0.57	0.70	0	0
10	97.0	14.55	0.13	0.07	0	0	0.18	0.11	0	0	0.25	0.16	0	0	0.31	0.24	0	0	0.37	0.30	0	0	0.52	0.60	0	0	0.52	0.60	0	0
11	100.2	15.04	0.14	0.10	0	0	0.22	0.20	0	0	0.34	0.33	0	0	0.43	0.45	0	0	0.47	0.52	0	0	0.78	1.08	0	0	0.78	1.08	0	0
12	103.0	15.45	0.43	0.17	0	0	0.48	0.33	0	0	0.61	0.53	0	0	0.66	0.66	0	0	0.76	0.81	0	0	0.98	1.28	0	0	0.98	1.28	0	0
13	105.4	15.81	0.25	0.17	0	0	0.34	0.27	0	0	0.44	0.43	0	0	0.50	0.51	0	0	0.60	0.68	0	0	0.89	1.22	0	0	0.89	1.22	0	0
14	107.4	16.11	0.72	0.29	0	0	0.74	0.46	0	0	0.80	0.62	0	0	0.99	0.87	0	0	1.03	0.97	0	0	1.21	1.67	0	0	1.21	1.67	0	0
15	109.1	16.37	0.26	0.20	0	0	0.31	0.27	0	0	0.39	0.37	0	0	0.50	0.50	0	0	0.47	0.48	0	0	0.74	1.09	0	0	0.74	1.09	0	0
16	110.6	16.59	2.44	0.66	0	0	2.34	0.92	0	0	2.53	1.32	0	0	2.77	1.69	0	0	2.85	1.95	0	0	3.53	3.22	0	0	3.53	3.22	0	0
17	111.8	16.77	1.07	0.64	0	0	1.31	0.80	0	0	1.39	0.96	0	0	1.66	1.25	0	0	1.64	1.40	0	0	2.02	2.39	0	0	2.02	2.39	0	0
18	112.9	16.93	2.17	1.03	0	0	2.30	1.15	0	0	2.53	1.50	0	0	2.67	1.76	0	0	2.81	2.20	0	0	3.34	3.32	0	0	3.34	3.32	0	0
19	113.8	17.07	3.41	1.47	0	0	3.89	1.90	0	0	4.10	2.30	0	0	4.41	2.96	0	0	4.36	3.19	0	0	4.98	4.61	0	0	4.98	4.61	0	0
20	114.6	17.18	75.81	7.95	0	0	8.66	24.53	0	0	74.51	35.35	0	0	74.42	41.63	0	0	79.31	46.84	0	0	87.81	69.86	0	0	87.81	69.86	0	0

Appendix 2. Gag grouper error statistics (proportion of numbers that are misclassified, 500 trials).

Age	cv[1] = 0.05						cv[1] = 0.10						cv[1] = .15						cv[1] = .20					
	[1]	$\sigma[1]$	$\bar{\epsilon}$	s[ϵ]	# trials		$\sigma[1]$	$\bar{\epsilon}$	s[ϵ]	# trials		$\sigma[1]$	$\bar{\epsilon}$	s[ϵ]	# trials		$\sigma[1]$	$\bar{\epsilon}$	s[ϵ]	# trials				
					$\epsilon=1$	$\epsilon=\infty$				$\epsilon=1$	$\epsilon=\infty$				$\epsilon=1$	$\epsilon=\infty$				$\epsilon=1$	$\epsilon=\infty$			
0	10.1	0.50	0.00	0.00	0	0	1.01	0.00	0.00	0	3	1.51	0.00	0.00	0	493	2.01	0.00	0.00	0	500			
1	26.2	1.31	0.00	0.00	0	500	2.62	0.00	0.00	0	500	3.92	0.00	0.00	0	500	5.23	0.00	0.00	0	500			
2	39.9	1.99	0.00	0.00	0	0	3.99	0.00	0.01	0	0	5.98	0.03	0.18	0	0	7.98	0.06	0.47	0	0			
3	51.6	2.58	0.00	0.00	0	0	5.16	0.01	0.03	0	0	7.74	0.10	0.29	0	0	10.32	0.10	0.49	0	0			
4	61.6	3.08	0.01	0.05	0	0	6.16	0.04	0.10	0	0	9.23	0.13	0.48	0	0	12.31	0.22	0.73	0	0			
5	70.0	3.50	0.02	0.08	0	0	7.00	0.11	0.41	0	0	10.51	0.32	0.93	0	0	14.01	0.70	2.75	0	0			
6	77.3	3.86	0.04	0.21	0	0	7.73	0.44	2.03	0	0	11.59	0.86	2.87	0	0	15.46	0.81	2.63	0	0			
7	83.5	4.17	0.10	0.43	0	0	8.35	0.73	3.38	0	0	12.52	1.37	5.70	0	0	16.69	2.83	14.35	0	0			
8	88.7	4.44	0.25	1.11	0	0	8.87	0.90	3.42	0	0	13.31	1.41	4.70	0	0	17.74	1.64	6.43	0	0			
9	93.2	4.66	0.64	4.42	0	0	9.32	1.55	6.22	0	0	13.98	1.78	7.35	0	0	18.64	1.64	7.87	0	0			
10	97.0	4.85	0.95	3.87	0	0	9.70	1.60	7.22	0	0	14.55	1.27	5.20	0	0	19.40	1.15	3.91	0	0			
11	100.3	5.01	2.42	15.47	0	0	10.03	2.07	14.57	0	0	15.04	1.41	8.78	0	0	20.05	1.44	4.37	0	0			
12	103.0	5.15	1.83	7.33	0	0	10.30	1.66	4.87	0	0	15.45	1.24	3.35	0	0	20.61	2.45	10.08	0	0			
13	105.4	5.27	1.47	4.58	0	0	10.54	2.14	9.19	0	0	15.81	1.29	4.70	0	0	21.08	2.32	10.05	0	0			
14	107.4	5.37	1.81	10.56	0	0	10.74	1.97	9.61	0	0	16.11	1.84	6.54	0	0	21.48	1.71	5.20	0	0			
15	109.1	5.46	1.46	5.74	0	0	10.91	1.58	7.05	0	0	16.37	2.09	7.95	0	0	21.82	2.67	12.91	0	0			
16	110.6	5.53	2.71	11.22	0	0	11.06	2.79	10.30	0	0	16.59	3.03	9.81	0	0	22.12	5.48	19.30	0	0			
17	111.8	5.59	2.07	8.10	0	0	11.18	2.17	8.53	0	0	16.77	3.77	13.66	0	0	22.36	4.75	18.21	0	0			
18	112.9	5.64	1.78	5.34	0	0	11.29	3.16	10.64	0	1	16.93	3.88	10.46	0	2	22.58	7.35	22.30	0	0			
19	113.8	5.69	2.92	8.95	0	3	11.38	4.42	12.49	0	1	17.07	7.91	22.65	0	3	22.76	11.52	29.09	0	2			
20	114.6	5.73	13.82	28.47	0	1	11.46	17.52	40.95	0	3	17.18	29.14	55.34	0	3	22.91	42.80	94.56	0	2			
cv			0.00	0.00				0.00	0.01				0.00	0.02				0.01	0.02					

Age	$\sigma[1] = 5.0$						$\sigma[1] = 10.0$						$\sigma[1] = 15.0$						$\sigma[1] = 20.0$					
	[1]	CV[1]	$\bar{\epsilon}$	s[ϵ]	# trials		CV	$\bar{\epsilon}$	s[ϵ]	# trials		CV	$\bar{\epsilon}$	s[ϵ]	# trials		cv	$\bar{\epsilon}$	s[ϵ]	# trials				
					$\epsilon=1$	$\epsilon=\infty$				$\epsilon=1$	$\epsilon=\infty$				$\epsilon=1$	$\epsilon=\infty$				$\epsilon=1$	$\epsilon=\infty$			
0	10.1	0.50	0.00	0.00	0	363	1.00	0.00	0.00	0	500	1.50	0.00	0.00	0	500	2.00	0.00	0.00	0	500			
1	26.2	0.19	0.00	0.00	0	500	0.38	0.00	0.00	0	500	0.57	0.00	0.00	0	500	0.77	0.00	0.00	0	500			
2	39.9	0.13	0.00	0.01	0	0	0.25	0.06	0.22	0	0	0.38	0.71	3.03	0	0	0.50	0.70	2.59	0	0			
3	51.6	0.10	0.01	0.06	0	0	0.19	0.11	0.40	1	0	0.29	1.16	5.38	0	0	0.39	1.73	6.18	0	0			
4	61.6	0.08	0.02	0.12	0	0	0.16	0.35	1.23	1	0	0.24	1.97	8.24	0	0	0.33	1.84	6.67	0	0			
5	70.0	0.07	0.03	0.08	0	0	0.14	0.56	2.60	1	0	0.21	1.56	5.65	0	0	0.29	1.38	5.34	0	0			
6	77.3	0.06	0.08	0.19	0	0	0.13	0.81	3.22	1	0	0.19	1.96	9.82	0	0	0.26	2.35	10.64	0	0			
7	83.5	0.06	0.24	1.33	0	0	0.12	1.49	8.57	1	0	0.18	1.90	9.47	0	0	0.24	2.48	10.15	0	0			
8	88.7	0.06	0.37	1.07	0	0	0.11	1.78	9.04	1	0	0.17	2.17	8.74	0	0	0.23	1.56	5.11	0	0			
9	93.2	0.05	0.88	5.33	0	0	0.11	1.41	4.94	1	0	0.16	2.39	9.86	0	0	0.21	3.01	12.03	0	0			
10	97.0	0.05	0.97	3.32	0	0	0.10	2.08	9.89	1	0	0.15	1.89	6.24	0	0	0.21	2.54	12.52	0	0			
11	100.3	0.05	0.96	2.94	0	0	0.10	1.76	7.45	1	0	0.15	2.59	10.39	0	0	0.20	2.17	12.17	0	0			
12	103.0	0.05	2.45	12.88	0	0	0.10	1.64	5.79	1	0	0.15	2.77	14.11	0	0	0.19	2.49	11.38	0	0			
13	105.4	0.05	1.20	6.62	0	0	0.09	1.61	5.83	1	0	0.14	3.24	19.16	0	0	0.19	2.93	11.59	0	0			
14	107.4	0.05	1.38	4.15	0	0	0.09	1.56	6.35	1	0	0.14	3.41	16.75	0	0	0.19	5.20	24.60	0	0			
15	109.1	0.05	1.21	4.09	0	0	0.09	1.08	5.46	1	0	0.14	2.71	10.84	0	0	0.18	3.78	17.38	0	0			
16	110.6	0.05	2.25	9.13	0	0	0.09	2.76	14.12	1	0	0.14	7.94	34.38	0	0	0.18	6.88	15.77	0	0			
17	111.8	0.04	1.42	5.44	0	0	0.09	2.84	9.33	1	0	0.13	5.94	22.63	0	0	0.18	10.33	38.53	0	0			
18	112.9	0.04	2.47	8.49	0	1	0.09	3.47	12.61	1	0	0.13	7.33	19.25	0	1	0.18	16.04	45.96	0	0			
19	113.8	0.04	2.88	8.47	0	0	0.09	4.54	11.90	1	1	0.13	11.29	27.25	0	0	0.18	17.22	42.56	0	2			
20	114.6	0.04	6.73	12.93	0	1	0.09	18.90	37.86	1	1	0.13	76.60	142.05	0	4	0.17	155.51	387.30	0	4			
sd			0.00	0.01				0.02	0.06				0.22	0.12				0.20	0.11					

Appendix 3. Yellowtail snapper errors (proportion of numbers that are misclassified, 500 trials).

Age	cv[1] = 0.05						cv[1] = 0.10						cv[1] = .15						cv[1] = .20					
	[1]	$\sigma[1]$	$\bar{\epsilon}$	s[ϵ]	# trials		$\sigma[1]$	$\bar{\epsilon}$	s[ϵ]	# trials		$\sigma[1]$	$\bar{\epsilon}$	s[ϵ]	# trials		$\sigma[1]$	$\bar{\epsilon}$	s[ϵ]	# trials				
					$\epsilon=1$	$\epsilon=\infty$				$\epsilon=1$	$\epsilon=\infty$				$\epsilon=1$	$\epsilon=\infty$				$\epsilon=1$	$\epsilon=\infty$			
0	5.0	0.25	0.00	0.00	0	0	0.50	0.00	0.00	0	0	0.75	0.00	0.00	0	467	1.00	0.00	0.00	0	500			
1	19.8	0.99	0.00	0.00	0	498	1.98	0.00	0.00	0	500	2.96	0.00	0.00	0	500	3.95	0.00	0.00	0	500			
2	30.7	1.54	0.00	0.00	0	0	3.07	0.01	0.02	0	0	4.61	0.04	0.24	0	0	6.14	0.03	0.15	0	0			
3	38.8	1.94	0.00	0.01	0	0	3.88	0.03	0.16	0	0	5.82	0.06	0.29	0	0	7.76	0.12	0.34	0	0			
4	44.8	2.24	0.01	0.02	0	0	4.48	0.06	0.12	0	0	6.72	0.22	0.60	0	0	8.96	0.39	0.94	0	0			
5	49.3	2.46	0.05	0.16	0	0	4.93	0.43	2.26	0	0	7.39	0.67	2.35	0	0	9.86	1.20	5.69	0	0			
6	52.6	2.63	0.13	0.38	0	0	5.26	0.74	2.48	0	0	7.89	1.52	4.86	0	0	10.51	1.04	2.96	0	0			
7	55.0	2.75	0.31	0.68	0	0	5.50	1.83	8.98	0	0	8.25	1.44	5.33	0	0	11.00	1.31	5.81	0	0			
8	56.8	2.84	1.68	7.94	0	0	5.68	1.03	2.43	0	0	8.52	1.38	4.13	0	0	11.37	1.81	9.67	0	0			
9	58.2	2.91	1.10	3.71	0	0	5.82	1.00	2.45	0	0	8.73	1.15	4.43	0	0	11.63	1.24	4.73	0	0			
10	59.2	2.96	1.61	4.91	0	0	5.92	1.08	3.01	0	0	8.87	1.34	4.28	0	0	11.83	1.71	5.85	0	0			
11	59.9	2.99	2.01	9.54	0	0	5.99	1.63	5.28	0	0	8.98	1.62	5.66	0	0	11.98	2.08	7.94	0	0			
12	60.4	3.02	4.68	17.43	0	0	6.04	5.07	23.55	0	0	9.07	7.19	29.51	0	0	12.09	6.27	17.71	0	0			
13	60.8	3.04	2.37	7.98	0	0	6.08	5.55	23.91	0	0	9.13	7.29	30.53	0	0	12.17	8.16	28.43	0	0			
14	61.1	3.06	1.32	4.63	0	0	6.11	2.95	12.33	0	0	9.17	3.79	17.58	0	0	12.23	4.66	15.84	0	0			
15	61.4	3.07	0.83	0.66	0	0	6.14	1.02	2.43	0	0	9.20	1.26	3.36	0	0	12.27	2.34	7.62	0	0			
16	61.5	3.08	0.93	0.26	6	0	6.15	0.90	0.42	1	0	9.23	1.03	1.92	0	0	12.31	0.99	1.86	0	0			
17	61.7	3.08	0.32	0.46	332	0	6.17	0.67	1.57	191	0	9.25	0.83	0.61	72	0	12.33	0.90	0.23	23	0			
18	61.7	3.09	0.02	0.14	488	0	6.17	0.03	0.19	483	0	9.26	0.07	0.25	460	0	12.35	0.13	0.33	434	0			
19	61.8	3.09	0.00	0.04	497	0	6.18	0.01	0.07	496	0	9.27	0.00	0.06	496	0	12.36	0.00	0.04	495	0			
20	61.9	3.09	0.00	0.00	497	0	6.19	0.00	0.04	498	0	9.28	0.00	0.00	498	0	12.37	0.00	0.00	499	0			
cv			0.00	0.00				0.00	0.01				0.00	0.02				0.01	0.01					
Age	$\sigma[1] = 5.0$						$\sigma[1] = 10.0$						$\sigma[1] = 15.0$						$\sigma[1] = 19.0$					
	[1]	CV	$\bar{\epsilon}$	s[ϵ]	# trials		CV	$\bar{\epsilon}$	s[ϵ]	# trials		CV	$\bar{\epsilon}$	s[ϵ]	# trials		CV	$\bar{\epsilon}$	s[ϵ]	# trials				
					$\epsilon=1$	$\epsilon=\infty$				$\epsilon=1$	$\epsilon=\infty$				$\epsilon=1$	$\epsilon=\infty$				$\epsilon=1$	$\epsilon=\infty$			
0	5.0	0.50	0.00	0.00	0	0	1.00	0.00	0.00	0	490	1.61	0.00	0.00	0	500	2.01	0.00	0.00	0	500			
1	19.8	0.13	0.00	0.00	0	500	0.25	0.00	0.00	0	500	0.40	0.00	0.00	0	500	0.51	0.00	0.00	0	500			
2	30.7	0.08	0.00	0.00	0	0	0.16	0.02	0.10	0	0	0.26	0.05	0.15	0	0	0.33	0.10	0.22	0	0			
3	38.8	0.06	0.01	0.03	0	0	0.13	0.04	0.09	0	0	0.21	0.24	0.73	0	0	0.26	0.40	1.21	0	0			
4	44.8	0.06	0.01	0.03	0	0	0.11	0.11	0.29	0	0	0.18	0.50	1.15	0	0	0.22	0.98	3.46	0	0			
5	49.3	0.05	0.04	0.10	0	0	0.10	0.43	2.22	0	0	0.16	0.99	2.85	0	0	0.20	2.08	8.98	0	0			
6	52.6	0.05	0.13	0.28	0	0	0.10	0.71	2.76	0	0	0.15	1.18	5.93	0	0	0.19	1.58	6.53	0	0			
7	55.0	0.05	0.31	0.52	0	0	0.09	1.65	6.19	0	0	0.15	1.15	3.12	0	0	0.18	2.00	9.46	0	0			
8	56.8	0.04	1.32	7.40	0	0	0.09	1.57	5.59	0	0	0.14	1.31	4.28	0	0	0.18	1.80	7.37	0	0			
9	58.2	0.04	1.05	3.09	0	0	0.09	1.22	3.50	0	0	0.14	1.48	6.45	0	0	0.17	1.25	3.80	0	0			
10	59.2	0.04	1.39	5.16	0	0	0.08	2.06	9.18	0	0	0.14	1.25	4.77	0	0	0.17	2.14	11.69	0	0			
11	59.9	0.04	1.93	10.11	0	0	0.08	1.98	6.13	0	0	0.13	2.70	11.01	0	0	0.17	2.62	12.23	0	0			
12	60.4	0.04	5.53	23.32	0	0	0.08	4.10	14.17	0	0	0.13	5.39	22.16	0	0	0.17	8.67	25.62	0	0			
13	60.8	0.04	3.29	10.95	0	0	0.08	4.84	22.00	0	0	0.13	6.80	25.51	0	0	0.16	9.97	33.86	0	0			
14	61.1	0.04	1.23	4.29	0	0	0.08	3.92	22.44	0	0	0.13	4.22	13.70	0	0	0.16	7.38	23.59	0	0			
15	61.4	0.04	0.88	0.88	0	0	0.08	1.09	2.99	0	0	0.13	2.67	11.46	0	0	0.16	2.36	8.36	0	0			
16	61.5	0.04	0.96	0.52	2	0	0.08	0.92	0.85	0	0	0.13	1.01	1.85	0	0	0.16	1.20	3.52	0	0			
17	61.7	0.04	0.31	0.46	339	0	0.08	0.67	0.45	149	0	0.13	0.90	0.23	16	0	0.16	0.93	0.60	1	0			
18	61.7	0.04	0.02	0.12	492	0	0.08	0.05	0.22	472	0	0.13	0.17	0.37	409	0	0.16	0.37	0.47	305	1			
19	61.8	0.04	0.00	0.00	500	0	0.08	0.00	0.05	498	0	0.13	0.00	0.06	494	0	0.16	0.01	0.08	496	0			
20	61.9	0.04	0.00	0.00	498	0	0.08	0.00	0.00	497	0	0.13	0.00	0.00	498	0	0.16	0.00	0.00	498	0			
sd			0.00	0.00				0.00	0.01				0.01	0.02				0.02	0.04					