

## 8.5 Appendix E: Visual Norms

Table 49: Norms Summary (See end of this section for reference key.)

Years of Age	Omission Errors(%): Inattention <i>Mean ± SD</i>	Commission Errors(%): Impulsivity <i>Mean ± SD</i>	Response Time (ms) <i>Mean ± SD</i>	Variability (SD, ms) <i>Mean ± SD</i>	D PRIME: Hit/ False Alarm Rate <i>Mean ± SD</i> ]
Age 4					
Male (N=24)	28.81 ± 20.51	17.34 ± 12.54	783.42 ± 87.71	330.08 ± 65.98	1.68 ± 0.69
Female (N=26)	33.38 ± 21.06	10.75 ± 7.46	826.69 ± 104.27	325.46 ± 91.67	1.86 ± 0.84
Age 5					
Male (N=66)	14.17 ± 11.90	10.27 ± 6.92	723.69 ± 147.40	262.94 ± 63.33	2.59 ± 0.65
Female (N=80)	14.95 ± 12.92	6.91 ± 7.05	767.90 ± 126.78	260.4 ± 55.69	2.93 ± 0.98
Age 6					
Male (N=19)	8.95 ± 7.80	10.37 ± 6.85	604.32 ± 120.24	236.95 ± 54.41	2.96 ± 0.94
Female (N=23)	8.87 ± 9.77	6.78 ± 4.16	667.00 ± 74.27	248.04 ± 38.79	3.10 ± 0.70
Age 7					
Male (N=61)	6.54 ± 7.55	10.97 ± 8.47	558.70 ± 108.12	223.15 ± 54.93	3.19 ± 1.04
Female (N=61)	4.00 ± 4.30	6.89 ± 5.02	608.28 ± 99.87	215.87 ± 47.89	3.84 ± 1.20
Age 8					
Male (N=36)	2.17 ± 2.94	8.61 ± 5.23	487.19 ± 86.14	176.92 ± 47.66	4.22 ± 1.24
Female (N=38)	1.87 ± 2.46	6.61 ± 4.28	544.34 ± 79.54	192.79 ± 37.89	4.31 ± 1.19
Age 9					
Male (N=57)	4.35 ± 14.22	9.39 ± 6.52	458.56 ± 80.75	161.74 ± 43.81	4.25 ± 1.44
Female (N=55)	1.07 ± 1.50	6.53 ± 4.17	498.80 ± 71.53	164.82 ± 38.17	4.71 ± 1.23
Age 10					
Male (N=33)	2.45 ± 6.87	7.70 ± 3.20	402.15 ± 58.04	137.39 ± 39.30	4.60 ± 1.29
Female (N=34)	.53 ± .90	5.65 ± 4.23	438.47 ± 74.24	138.32 ± 38.78	5.39 ± 1.41
Age 11					
Male (N=55)	1.93 ± 7.28	8.69 ± 5.34	379.33 ± 66.01	123.82 ± 33.70	4.69 ± 1.48
Female (N=60)	.68 ± 1.26	6.65 ± 4.16	412.80 ± 71.07	130.95 ± 34.36	5.06 ± 1.17
Age 12					
Male (N=37)	.68 ± 1.15	6.34 ± 3.82	389.92 ± 73.81	125.05 ± 37.09	4.97 ± 1.15
Female (N=49)	.53 ± .92	4.59 ± 4.16	410.29 ± 80.96	122.33 ± 40.89	5.34 ± 1.26
Age 13					
Male (N=66)	.67 ± 1.44	4.93 ± 3.93	379.74 ± 60.77	108.35 ± 33.71	5.16 ± 1.22
Female (N=69)	.55 ± 1.39	3.81 ± 2.85	379.71 ± 56.85	103.09 ± 29.61	5.14 ± 1.14
Age 14					
Male (N=46)	.31 ± .47	3.97 ± 3.31	383.43 ± 65.82	104.70 ± 35.07	5.32 ± 1.05
Female (N=36)	.27 <sup>10</sup> ± .65	2.95 ± 2.60	383.36 ± 62.93	100.39 ± 34.64	5.71 ± 1.12
Age 15					
Male (N=61)	.69 ± 1.31	3.64 ± 2.82	361.15 ± 53.54	96.59 ± 27.34	5.25 ± 1.19
Female (N=58)	.41 ± .82	3.45 ± 3.39	374.41 ± 61.85	90.93 ± 22.71	5.63 ± 1.42

Table 50: Norms - Summary, continued (See end of this section for reference key.)

Age 16					
Male (N=22)	.77 ± 1.42	4.19 ± 4.54	354.82 ± 51.97	91.59 ± 25.77	5.16 ± 1.36
Female (N=29)	.72 ± 1.42	2.87 ± 2.46	379.62 ± 60.33	100.83 ± 32.13	5.56 ± 1.31
Age 17					
Male (N=18)	.27 <sup>10</sup> ± .30	2.79 ± 3.11	377.89 ± 45.92	95.94 ± 27.72	5.63 ± 1.51
Female (N=18)	.38 ± .75	2.21 ± 2.26	376.72 ± 48.55	89.56 ± 20.04	5.88 ± 1.08
Age 18					
Male (N=32)	.35 ± .42	3.86 ± 3.04	373.94 ± 64.20	89.84 ± 29.15	5.18 ± 1.04
Female (N=66)	.35 ± .80	3.21 ± 2.87	402.44 ± 60.60	86.58 ± 23.18	5.49 ± 1.08
Age 19					
Male (N=25)	.07 ± .18 <sup>10</sup>	2.17 ± 1.52	404.04 ± 56.86	82.92 ± 20.07	6.24 ± 1.00
Female (N=54)	.58 ± 1.81	3.73 ± 3.38	403.52 ± 49.63	86.06 ± 23.46	5.44 ± 1.14
Age 20 - 29					
Male (N=19)	.37 ± .72	4.81 ± 3.48	383.58 ± 52.36	83.53 ± 20.86	5.30 ± 1.08
Female (N=30)	.55 ± 1.21	2.29 ± 2.66	421.07 ± 71.26	88.63 ± 29.06	5.89 ± 1.25
Age 30 - 39					
Male (N=4)	.00 ± .01 <sup>10</sup>	1.62 ± 1.05	355.25 ± 72.94	64.00 ± 12.83	6.49 ± 0.36
Female (N=22)	.14 ± .25 <sup>10</sup>	1.77 ± 1.56	369.77 ± 53.53	81.36 ± 24.57	6.05 ± 0.96
Age 40 - 49					
Male (N=14)	.02 ± .08 <sup>10</sup>	2.76 ± 1.80	331.93 ± 31.25	66.14 ± 11.60	6.29 ± 0.84
Female (N=19)	.06 ± .13 <sup>10</sup>	1.88 ± 2.01	405.32 ± 66.85	81.89 ± 21.06	6.21 ± 0.85
Age 50 - 59					
Male (N=8)	.19 ± .28 <sup>10</sup>	2.16 ± 1.22	442.88 ± 46.85	75.38 ± 11.55	5.71 ± 1.02
Female (N=16)	.15 ± .32 <sup>10</sup>	1.85 ± 2.33	432.06 ± 41.57	79.56 ± 17.37	6.20 ± 1.22
Age 60 - 69					
Male (N=12)	.10 ± .24 <sup>10</sup>	1.95 ± 2.22	447.17 ± 35.92	86.50 ± 22.93	6.19 ± 0.91
Female (N=24)	.22 ± .31 <sup>10</sup>	2.69 ± 2.53	442.75 ± 57.71	81.67 ± 16.73	5.76 ± 1.23
Age 70 - 79					
Male (N=12)	1.47 ± 2.22	4.17 ± 3.32	476.75 ± 55.65	107.08 ± 33.85	4.77 ± 1.35
Female (N=39)	.73 ± 1.71	2.55 ± 2.03	480.23 ± 50.35	97.87 ± 26.33	5.21 ± 1.01
Age 80 and up					
Male (N=8)	2.47 ± 2.47	5.83 ± 3.87	502.25 ± 68.44	128.88 ± 21.68	3.80 ± 0.58
Female (N=23)	2.12 ± 3.11	3.50 ± 3.64	509.57 ± 63.09	115.00 ± 48.39	4.63 ± 1.21

Table 51: Visual Norms - Omissions (%) (See end of this section for reference key.)

Years of Age	Quarter				Half		Total
	1	2	3	4	1	2	
Age 4							
Male (N=24)	32.75 ± 18.04		27.68 ± 22.54				28.81 ± 20.51
Female (N=26)	41.56 ± 27.96		31.04 ± 20.30				33.38 ± 21.06
Age 5							
Male (N=66)	16.09 ± 12.60		13.62 ± 12.61				14.17 ± 11.90
Female (N=80)	15.96 ± 16.26		14.66 ± 13.83				14.95 ± 12.92
Age 6							
Male (N=19)	4.84 ± 5.58	9.53 ± 9.07	7.21 ± 7.79	12.11 ± 11.24	7.11 ± 6.61	9.58 ± 8.66	8.95 ± 7.80
Female (N=23)	7.91 ± 11.24	9.26 ± 12.23	7.52 ± 7.73	10.39 ± 12.42	8.61 ± 11.52	8.96 ± 9.88	8.87 ± 9.77
Age 7							
Male (N=61)	5.10 ± 11.19	7.98 ± 12.13	5.18 ± 6.41	8.10 ± 9.60	6.46 ± 11.32	6.59 ± 7.57	6.54 ± 7.55
Female (N=61)	3.97 ± 6.62	3.70 ± 4.18	3.38 ± 4.51	4.97 ± 5.80	3.74 ± 4.32	4.11 ± 4.82	4.00 ± 4.30
Age 8							
Male (N=36)	1.89 <sup>4</sup> ± 3.05	2.72 <sup>4</sup> ± 4.05	1.61 ± 2.09	2.53 ± 4.53	2.31 ± 3.19	1.97 ± 3.09	2.17 ± 2.94
Female (N=38)	1.74 ± 2.34 <sup>4</sup>	2.34 <sup>4</sup> ± 3.05	1.18 ± 1.86	2.53 ± 4.57	1.97 ± 1.95	1.82 ± 2.79	1.87 ± 2.46
Age 9							
Male (N=57)	4.81 ± 15.59	3.51 ± 13.29	4.42 ± 16.36	4.49 ± 14.42	4.09 ± 13.43	4.35 ± 14.59	4.35 ± 14.22
Female (N=55)	1.44 <sup>4</sup> ± 3.70	1.33 ± 2.07 <sup>4</sup>	.76 <sup>2</sup> ± 1.22	1.42 ± 2.45	1.29 ± 2.39	1.04 <sup>6</sup> ± 1.60	1.07 ± 1.50
Age 10							
Male (N=33)	3.42 ± 8.06	3.36 ± 9.08	3.12 ± 12.52	1.30 ± 2.08	3.33 ± 8.06	2.18 ± 7.00	2.45 ± 6.87
Female (N=34)	.65 ± 2.00 <sup>4</sup>	.764 ± 2.10	.41 ± .78 <sup>2</sup>	.68 <sup>2</sup> ± 1.01	.71 ± 1.71	.41 ± .78 <sup>6</sup>	.53 ± .90
Age 11							
Male (N=55)	1.75 <sup>4</sup> ± 7.18	2.55 ± 8.17	2.04 ± 10.61	1.85 ± 4.43	2.07 ± 7.67	1.91 ± 7.30	1.93 ± 7.28
Female (N=60)	1.13 <sup>4</sup> ± 3.15	1.02 <sup>4</sup> ± 2.05	.45 <sup>2</sup> ± .87	.75 <sup>2</sup> ± 1.32	1.00 ± 2.22	.52 ± 1.03 <sup>6</sup>	.68 ± 1.26
Age 12							
Male (N=37)	.53 ± 1.95 <sup>4</sup>	.98 <sup>4</sup> ± 1.83	.58 <sup>2</sup> ± .88	.93 ± 1.71	.70 ± 1.54	.72 ± 1.24 <sup>6</sup>	.68 ± 1.15
Female (N=49)	.61 ± 1.39 <sup>4</sup>	.83 ± 1.61 <sup>4</sup>	.44 <sup>2</sup> ± .85	.57 <sup>2</sup> ± 1.49	.72 ± 1.27	.50 ± 1.03 <sup>6</sup>	.53 ± .92
Age 13							
Male (N=66)	.68 ± 1.97 <sup>4</sup>	.76 ± 1.48 <sup>4</sup>	.56 <sup>2</sup> ± 1.43	.86 ± 1.85	.71 ± 1.50	.67 ± 1.56 <sup>6</sup>	.67 ± 1.44
Female (N=69)	.33 ± 1.05 <sup>4</sup>	.61 <sup>4</sup> ± 2.02	.57 <sup>2</sup> ± .92	.63 <sup>2</sup> ± 2.26	.47 ± 1.43	.56 ± 1.41 <sup>6</sup>	.55 ± 1.39
Age 14							
Male (N=46)	.37 ± 1.12 <sup>4</sup>	.36 ± .95 <sup>4</sup>	.32 <sup>2</sup> ± .79	.25 ± .53 <sup>2</sup>	.35 <sup>8</sup> ± .73	.29 ± .53 <sup>6</sup>	.31 ± .47
Female (N=36)	.08 ± .46 <sup>4</sup>	.16 ± .67 <sup>4</sup>	.41 <sup>2</sup> ± 1.03	.30 ± .77 <sup>2</sup>	.10 ± .36 <sup>8</sup>	.31 ± .82 <sup>6</sup>	.27 <sup>10</sup> ± .65
Age 15							
Male (N=61)	.47 ± 1.76 <sup>4</sup>	1.89 <sup>4</sup> ± 6.04	.66 <sup>2</sup> ± 1.07	.39 <sup>2</sup> ± 1.24	1.18 ± 3.33	.53 ± 1.02 <sup>6</sup>	.69 ± 1.31
Female (N=58)	.29 ± 1.00 <sup>4</sup>	.58 ± 1.14 <sup>4</sup>	.36 ± .72 <sup>2</sup>	.57 <sup>2</sup> ± 1.58	.42 ± .78	.40 ± .97 <sup>6</sup>	.41 ± .82

Table 52: Visual Norms - Omissions (%), continued(See end of this section for reference key.)

Age 16							
Male (N=22)	.63 ± 1.19 <sup>4</sup>	.63 ± 1.70 <sup>4</sup>	.76 <sup>2</sup> ± 1.26	.87 ± 2.27	.63 ± 1.11	.81 <sup>6</sup> ± 1.69	.77 ± 1.42
Female (N=29)	.86 <sup>4</sup> ± 2.98	.77 ± 2.34 <sup>4</sup>	.77 <sup>2</sup> ± 1.64	.63 <sup>2</sup> ± 1.15	.81 ± 2.61	.70 ± 1.27 <sup>6</sup>	.72 ± 1.42
Age 17							
Male (N=18)	.46 ± 1.07 <sup>4</sup>	.00 ± .00 <sup>4</sup>	.35 ± .49 <sup>2</sup>	.22 ± .46 <sup>2</sup>	.23 <sup>8</sup> ± .53	.29 ± .30 <sup>6</sup>	.27 <sup>10</sup> ± .30
Female (N=18)	.62 ± 1.52 <sup>4</sup>	.15 ± .65 <sup>4</sup>	.13 ± .30 <sup>2</sup>	.62 <sup>2</sup> ± 1.55	.39 ± .80	.37 ± .90 <sup>6</sup>	.38 ± .75
Age 18							
Male (N=32)	.17 ± .68 <sup>4</sup>	.17 ± .68 <sup>4</sup>	.37 ± .49 <sup>2</sup>	.42 ± .75 <sup>2</sup>	.17 <sup>8</sup> ± .59	.40 ± .48 <sup>6</sup>	.35 ± .42
Female (N=66)	.21 ± .74 <sup>4</sup>	.29 ± .99 <sup>4</sup>	.31 ± .60 <sup>2</sup>	.43 <sup>2</sup> ± 1.48	.25 <sup>8</sup> ± .69	.37 ± .99 <sup>6</sup>	.35 ± .80
Age 19							
Male (N=25)	.00 ± .01 <sup>4</sup>	.11 ± .56 <sup>4</sup>	.10 ± .26 <sup>2</sup>	.06 ± .32 <sup>2</sup>	.068 ± .28 <sup>8</sup>	.08 ± .20 <sup>6</sup>	.07 ± .18 <sup>10</sup>
Female (N=54)	.21 ± .73 <sup>4</sup>	.62 ± 1.84 <sup>4</sup>	.54 <sup>2</sup> ± 2.05	.71 <sup>2</sup> ± 2.47	.41 ± 1.16	.62 <sup>6</sup> ± 2.23	.58 ± 1.81
Age 20 - 29							
Male (N=19)	.29 ± .88 <sup>4</sup>	.29 ± .88 <sup>4</sup>	.33 <sup>2</sup> ± .97	.46 <sup>2</sup> ± 1.00	.29 <sup>8</sup> ± .58	.40 ± .88 <sup>6</sup>	.37 ± .72
Female (N=30)	.56 ± 1.85 <sup>4</sup>	.37 ± .96 <sup>4</sup>	.26 <sup>2</sup> ± .82	.87 ± 2.14	.46 ± 1.17	.57 ± 1.34 <sup>6</sup>	.55 ± 1.21
Age 30 - 39							
Male (N=4)	.00 ± .01 <sup>4</sup>	.00 ± .01 <sup>4</sup>	.00 ± .01 <sup>2</sup>	.00 ± .01 <sup>2</sup>	.00 ± .01 <sup>8</sup>	.00 ± .01 <sup>6</sup>	.00 ± .01 <sup>10</sup>
Female (N=22)	.25 ± .82 <sup>4</sup>	.13 ± .59 <sup>4</sup>	.11 ± .28 <sup>2</sup>	.14 ± .31 <sup>2</sup>	.19 <sup>8</sup> ± .49	.13 ± .23 <sup>6</sup>	.14 ± .25 <sup>10</sup>
Age 40 - 49							
Male (N=14)	.00 ± .01 <sup>4</sup>	.00 ± .01 <sup>4</sup>	.06 ± .21 <sup>2</sup>	.00 ± .01 <sup>2</sup>	.00 <sup>8</sup> ± .018	.03 ± .11 <sup>6</sup>	.02 ± .08 <sup>10</sup>
Female (N=19)	.00 ± .01 <sup>4</sup>	.15 ± .64 <sup>4</sup>	.13 ± .30 <sup>2</sup>	.00 ± .01 <sup>2</sup>	.07 ± .32 <sup>8</sup>	.06 ± .15 <sup>6</sup>	.06 ± .13 <sup>10</sup>
Age 50 - 59							
Male (N=8)	.35 ± .98 <sup>4</sup>	.35 ± .98 <sup>4</sup>	.10 ± .28 <sup>2</sup>	.20 ± .56 <sup>2</sup>	.35 <sup>8</sup> ± .64	.15 ± .30 <sup>6</sup>	.19 ± .28 <sup>10</sup>
Female (N=16)	.17 ± .69 <sup>4</sup>	.00 ± .01 <sup>4</sup>	.25 ± .63 <sup>2</sup>	.10 ± .40 <sup>2</sup>	.09 ± .35 <sup>8</sup>	.17 ± .35 <sup>6</sup>	.15 <sup>10</sup> ± .32
Age 60 - 69							
Male (N=12)	.00 ± .01 <sup>4</sup>	.00 ± .01 <sup>4</sup>	.20 ± .49 <sup>2</sup>	.07 ± .23 <sup>2</sup>	.00 ± .01 <sup>8</sup>	.13 ± .31 <sup>6</sup>	.10 ± .24 <sup>10</sup>
Female (N=24)	.35 ± .94 <sup>4</sup>	.23 ± .78 <sup>4</sup>	.33 ± .66 <sup>2</sup>	.07 ± .22 <sup>2</sup>	.29 <sup>8</sup> ± .71	.20 ± .39 <sup>6</sup>	.22 <sup>10</sup> ± .31
Age 70 - 79							
Male (N=12)	.23 ± .80 <sup>4</sup>	1.16 ± 2.50 <sup>4</sup>	1.19 ± 1.81	2.18 ± 3.42	.69 ± 1.26	1.69 ± 2.56	1.47 ± 2.22
Female (N=39)	.21 ± .75 <sup>4</sup>	1.21 ± 2.69 <sup>4</sup>	.81 ± 1.63	.65 <sup>2</sup> ± 2.20	.71 ± 1.52	.73 <sup>6</sup> ± 1.82	.73 ± 1.71
Age 80 and up							
Male (N=8)	3.13 ± 3.77	3.47 ± 4.39	2.58 ± 1.93	1.88 ± 2.61	3.30 ± 3.92	2.23 ± 2.15	2.47 ± 2.47
Female (N=23)	1.57 <sup>4</sup> ± 3.63	1.21 ± 2.34 <sup>4</sup>	1.83 ± 3.11	2.83 ± 5.82	1.39 ± 2.78	2.33 ± 3.73	2.12 ± 3.11

Table 53: Visual Norms - Commissions (%) (See end of this section for reference key.)

Years of Age	Quarter				Half		Total
	1	2	3	4	1	2	
Age 4							
Male (N=24)	12.60 ± 14.18		33.91 ± 18.61				17.34 ± 12.54
Female (N=26)	6.23 ± 8.16		26.60 ± 14.60				10.75 ± 7.46
Age 5							
Male (N=66)	5.33 ± 6.79		27.55 ± 15.95				10.27 ± 6.92
Female (N=80)	3.85 ± 7.82		17.64 ± 12.01				6.91 ± 7.05
Age 6							
Male (N=19)	4.26 ± 5.49	3.05 ± 4.77	29.74 ± 16.47	39.95 ± 18.07	3.63 ± 5.16	34.84 ± 16.58	10.37 ± 6.85
Female (N=23)	2.39 ± 3.87	1.91 ± 3.33	20.17 ± 11.73	27.70 ± 14.26	2.00 ± 3.25	23.96 ± 11.52	6.78 ± 4.16
Age 7							
Male (N=61)	4.61 ± 7.57	3.66 ± 8.57	31.38 ± 18.61	41.16 ± 18.24	4.03 ± 7.86	36.25 ± 17.33	10.97 ± 8.47
Female (N=61)	2.72 ± 4.67	1.39 ± 2.33	21.05 ± 14.55	28.98 ± 16.67	1.95 ± 3.46	25.02 ± 14.41	6.89 ± 5.02
Age 8							
Male (N=36)	3.72 ± 4.60	1.72 ± 2.84	24.81 ± 12.98	35.42 ± 17.19	2.58 ± 3.74	30.08 ± 13.91	8.61 ± 5.23
Female (N=38)	1.92 ± 2.55	.82 ± 1.61	23.00 ± 16.39	29.34 ± 15.26	1.34 <sup>5</sup> ± 1.95	26.18 ± 14.80	6.61 ± 4.28
Age 9							
Male (N=57)	3.60 ± 4.30	2.35 ± 4.15	28.14 ± 17.83	37.82 ± 21.11	2.89 ± 4.11	32.74 ± 18.82	9.39 ± 6.52
Female (N=55)	1.89 ± 2.94	1.02 ± 1.79	20.15 ± 13.54	30.24 ± 16.28	1.38 ± 2.31	25.24 ± 14.08	6.53 ± 4.17
Age 10							
Male (N=33)	1.97 ± 1.40	.88 ± 1.11	26.45 ± 12.67	34.06 ± 12.99	1.27 ± 1.04	30.15 ± 11.38	7.70 ± 3.20
Female (N=34)	2.00 ± 2.61	.76 <sup>1</sup> ± 1.21	18.59 ± 14.88	22.71 ± 15.56	1.26 ± 1.83	20.59 ± 14.08	5.65 ± 4.23
Age 11							
Male (N=55)	2.62 ± 2.65	1.65 ± 2.12	28.67 ± 19.01	36.18 ± 19.40	2.09 ± 2.27	32.42 ± 18.49	8.69 ± 5.34
Female (N=60)	2.05 ± 2.17	1.07 ± 1.40	21.65 ± 14.81	28.22 ± 16.88	1.42 ± 1.73	24.85 ± 14.71	6.65 ± 4.16
Age 12							
Male (N=37)	1.15 ± 1.51	.78 <sup>1</sup> ± 1.29	23.60 ± 14.95	27.35 ± 15.93	.91 ± 1.28 <sup>5</sup>	25.50 ± 14.01	6.34 ± 3.82
Female (N=49)	.83 ± 1.10	.56 <sup>1</sup> ± .86	16.16 ± 15.25	21.15 ± 18.78	.57 ± .89 <sup>5</sup>	18.70 ± 16.50	4.59 ± 4.16
Age 13							
Male (N=66)	1.57 ± 2.16	.76 <sup>1</sup> ± .89	17.80 ± 14.09	19.22 ± 17.18	1.15 <sup>5</sup> ± 1.40	18.46 ± 14.45	4.93 ± 3.93
Female (N=69)	.77 <sup>1</sup> ± 1.05	.54 <sup>1</sup> ± .84	14.47 ± 12.52	16.29 ± 12.76	.64 ± .86 <sup>5</sup>	15.37 ± 12.21	3.81 ± 2.85
Age 14							
Male (N=46)	.78 ± 1.08	.68 <sup>1</sup> ± .90	15.36 ± 12.96	15.30 ± 14.33	.72 ± .85 <sup>5</sup>	15.35 ± 12.81	3.97 ± 3.31
Female (N=36)	.58 <sup>1</sup> ± 1.01	.37 <sup>1</sup> ± .671	10.98 ± 9.18	12.48 ± 11.78	.46 ± .69 <sup>5</sup>	11.77 ± 9.92	2.95 ± 2.60
Age 15							
Male (N=61)	.72 <sup>1</sup> ± 1.23	.45 <sup>1</sup> ± .83	14.27 ± 10.65	14.80 ± 12.22	.56 ± .92 <sup>5</sup>	14.56 ± 10.74	3.64 ± 2.82
Female (N=58)	.73 <sup>1</sup> ± 1.08	.24 ± .54 <sup>1</sup>	13.38 ± 14.04	14.89 ± 13.89	.45 ± .66 <sup>5</sup>	14.12 ± 13.41	3.45 ± 3.39

Table 54: Visual Norms - Commissions (%), continued. (See end of this section for reference key.)

Age 16							
Male (N=22)	1.19 ± 1.76	.61 <sup>1</sup> ± .88	15.15 ± 15.78	16.29 ± 18.47	.90 ± 1.24 <sup>5</sup>	15.72 ± 16.58	4.19 ± 4.54
Female (N=29)	.57 <sup>1</sup> ± .95	.36 ± .62 <sup>1</sup>	9.87 ± 9.32	12.74 ± 10.69	.47 ± .75 <sup>5</sup>	11.30 ± 9.24	2.87 ± 2.46
Age 17							
Male (N=18)	.71 <sup>1</sup> ± 1.36	.26 ± .54 <sup>1</sup>	9.72 ± 12.14	12.04 ± 13.10	.49 ± .90 <sup>5</sup>	10.88 ± 12.17	2.79 ± 3.11
Female (N=18)	.62 <sup>1</sup> ± 1.00	.31 ± .48 <sup>1</sup>	6.48 ± 7.13	10.19 ± 10.74	.46 ± .64 <sup>5</sup>	8.33 ± 8.52	2.21 ± 2.26
Age 18							
Male (N=32)	.55 ± .74 <sup>1</sup>	.69 <sup>1</sup> ± 1.14	14.41 ± 13.00	16.84 ± 15.18	.62 ± .64 <sup>5</sup>	15.19 ± 12.54	3.86 ± 3.04
Female (N=66)	.48 ± .68 <sup>1</sup>	.44 <sup>1</sup> ± .79	12.16 ± 12.50	13.43 ± 12.82	.46 ± .61 <sup>5</sup>	12.82 ± 12.15	3.21 ± 2.87
Age 19							
Male (N=25)	.41 ± .61 <sup>1</sup>	.16 ± .32 <sup>1</sup>	8.33 ± 5.50	9.22 ± 8.44	.29 ± .31 <sup>5</sup>	8.78 ± 6.36	2.17 ± 1.52
Female (N=54)	.71 <sup>1</sup> ± 1.05	.51 <sup>1</sup> ± .93	14.40 ± 14.72	14.87 ± 13.49	.61 ± .85 <sup>5</sup>	14.63 ± 13.38	3.73 ± 3.38
Age 20 - 29							
Male (N=19)	.75 ± .72 <sup>1</sup>	.75 <sup>1</sup> ± .93	18.71 ± 13.70	19.30 ± 16.16	.75 ± .66 <sup>5</sup>	19.01 ± 14.22	4.81 ± 3.48
Female (N=30)	.37 ± .74 <sup>1</sup>	.40 <sup>1</sup> ± .93	9.26 ± 10.43	8.70 ± 11.60	.38 ± .62 <sup>5</sup>	8.98 ± 10.58	2.29 ± 2.66
Age 30 - 39							
Male (N=4)	.00 ± .01 <sup>1</sup>	.20 ± .40 <sup>1</sup>	6.94 ± 4.81	6.94 ± 5.78	.10 ± .20 <sup>5</sup>	6.94 ± 4.39	1.62 ± 1.05
Female (N=22)	.14 ± .31 <sup>1</sup>	.61 <sup>1</sup> ± 1.75	5.18 ± 5.24	8.08 ± 7.90	.38 ± .87 <sup>5</sup>	6.63 ± 5.84	1.77 ± 1.56
Age 40 - 49							
Male (N=14)	.51 ± .59 <sup>1</sup>	.28 ± .39 <sup>1</sup>	9.33 ± 7.11	12.70 ± 9.42	.40 ± .35 <sup>5</sup>	11.01 ± 7.32	2.76 ± 1.80
Female (N=19)	.84 ± 1.82	.67 <sup>1</sup> ± 1.80	6.14 ± 4.95	5.56 ± 4.44	.75 <sup>5</sup> ± 1.78	5.85 ± 4.28	1.88 ± 2.01
Age 50 - 59							
Male (N=8)	.60 <sup>1</sup> ± .92	.30 ± .41 <sup>1</sup>	6.25 ± 5.51	10.07 ± 6.95	.45 ± .39 <sup>5</sup>	8.16 ± 5.11	2.16 ± 1.22
Female (N=16)	.74 <sup>1</sup> ± 1.80	.20 ± .54 <sup>1</sup>	5.73 ± 6.21	7.64 ± 8.70	.47 ± 1.12 <sup>5</sup>	6.68 ± 6.96	1.85 ± 2.33
Age 60 - 69							
Male (N=12)	.60 <sup>1</sup> ± .96	.26 ± .52 <sup>1</sup>	7.41 ± 10.14	7.18 ± 7.05	.43 ± .60 <sup>5</sup>	7.29 ± 8.27	1.95 ± 2.22
Female (N=24)	.63 <sup>1</sup> ± .84	.33 ± .57 <sup>1</sup>	10.30 ± 10.05	10.53 ± 11.38	.48 ± .63 <sup>5</sup>	10.42 ± 10.13	2.69 ± 2.53
Age 70 - 79							
Male (N=12)	1.46 ± 2.03	1.26 ± 1.71	13.89 ± 9.02	14.12 ± 10.01	1.36 <sup>5</sup> ± 1.75	14.00 ± 8.95	4.17 ± 3.32
Female (N=39)	1.00 ± 1.24	.49 ± .72 <sup>1</sup>	9.54 ± 7.69	8.19 ± 7.73	.74 ± .84 <sup>5</sup>	8.87 ± 7.05	2.55 ± 2.03
Age 80 and up							
Male (N=8)	.99 ± .92	1.49 ± 1.56	20.83 ± 12.60	22.92 ± 17.43	1.24 ± .94 <sup>5</sup>	21.88 ± 14.71	5.83 ± 3.87
Female (N=23)	1.62 ± 2.71	.76 <sup>1</sup> ± 1.45	10.75 ± 11.70	12.44 ± 10.36	1.19 <sup>5</sup> ± 2.03	11.59 ± 10.37	3.50 ± 3.64

Table 55: Visual Norms - Response Times (ms)

Years of Age	Quarter				Half		Total
	1	2	3	4	1	2	
Age 4							
Male (N=24)	896.79 ± 114.19		725.42 ± 74.63				783.42 ± 87.71
Female (N=26)	911.85 ± 150.15		801.38 ± 102.03				826.69 ± 104.27
Age 5							
Male (N=66)	805.88 ± 158.20		699.76 ± 149.94				723.69 ± 147.40
Female (N=80)	834.94 ± 134.51		748.91 ± 131.64				767.90 ± 126.78
Age 6							
Male (N=19)	642.53 ± 111.13	696.37 ± 144.04	584.63 ± 123.85	586.11 ± 121.16	669.05 ± 121.66	585.11 ± 120.83	604.32 ± 120.24
Female (N=23)	706.17 ± 94.35	764.48 ± 114.98	648.22 ± 79.10	648.09 ± 83.97	735.13 ± 96.26	647.74 ± 78.43	667.00 ± 74.27
Age 7							
Male (N=61)	609.13 ± 103.16	652.57 ± 123.35	543.30 ± 116.95	534.39 ± 112.93	630.62 ± 108.85	538.87 ± 110.85	558.70 ± 108.12
Female (N=61)	655.16 ± 102.72	691.89 ± 105.57	591.02 ± 103.20	587.25 ± 113.71	673.51 ± 99.51	589.25 ± 106.33	608.28 ± 99.87
Age 8							
Male (N=36)	530.44 ± 75.32	566.61 ± 87.97	475.36 ± 90.45	463.39 ± 101.67	548.61 ± 77.61	469.42 ± 92.25	487.19 ± 86.14
Female (N=38)	589.03 ± 83.95	615.39 ± 90.16	522.34 ± 90.57	533.74 ± 89.86	602.50 ± 80.48	527.95 ± 86.62	544.34 ± 79.54
Age 9							
Male (N=57)	512.70 ± 73.40	547.75 ± 79.09	439.81 ± 85.77	433.86 ± 97.86	530.37 ± 73.67	437.67 ± 88.09	458.56 ± 80.75
Female (N=55)	552.42 ± 77.01	583.89 ± 79.39	476.69 ± 72.17	481.64 ± 86.88	568.25 ± 73.36	478.96 ± 76.25	498.80 ± 71.53
Age 10							
Male (N=33)	440.91 ± 59.25	476.58 ± 63.75	385.67 ± 61.71	387.18 ± 69.62	458.82 ± 57.90	386.15 ± 61.48	402.15 ± 58.04
Female (N=34)	488.21 ± 67.69	506.62 ± 83.11	424.06 ± 74.68	419.53 ± 90.49	497.38 ± 73.11	421.74 ± 78.61	438.47 ± 74.24
Age 11							
Male (N=55)	424.82 ± 57.55	452.64 ± 68.79	365.25 ± 69.53	358.25 ± 76.57	439.45 ± 61.47	362.15 ± 71.52	379.33 ± 66.01
Female (N=60)	458.60 ± 62.94	486.07 ± 73.95	401.58 ± 77.84	389.98 ± 77.60	472.75 ± 66.69	395.82 ± 75.66	412.80 ± 71.07
Age 12							
Male (N=37)	432.86 ± 63.18	442.76 ± 81.61	382.84 ± 80.15	368.97 ± 81.40	437.81 ± 69.14	376.14 ± 78.21	389.92 ± 73.81
Female (N=49)	463.90 ± 78.84	467.73 ± 77.58	394.33 ± 81.08	395.39 ± 94.64	465.82 ± 75.85	394.96 ± 85.47	410.29 ± 80.96
Age 13							
Male (N=66)	412.23 ± 57.49	433.98 ± 74.54	368.89 ± 65.22	365.70 ± 66.32	423.15 ± 62.50	367.41 ± 62.90	379.74 ± 60.77
Female (N=69)	420.65 ± 62.87	445.68 ± 72.40	365.54 ± 58.18	363.35 ± 61.97	433.17 ± 65.30	364.43 ± 58.42	379.71 ± 56.85
Age 14							
Male (N=46)	403.48 ± 58.24	426.83 ± 76.63	371.15 ± 64.68	378.04 ± 80.91	415.15 ± 64.36	374.67 ± 69.30	383.43 ± 65.82
Female (N=36)	424.97 ± 69.54	442.58 ± 72.56	371.42 ± 67.33	366.94 ± 62.95	433.58 ± 69.89	369.28 ± 63.24	383.36 ± 62.93
Age 15							
Male (N=61)	390.61 ± 56.57	414.74 ± 70.48	345.66 ± 53.17	353.41 ± 64.31	402.36 ± 60.35	349.51 ± 56.41	361.15 ± 53.54
Female (N=58)	412.38 ± 56.93	423.31 ± 61.71	363.34 ± 66.87	360.84 ± 66.66	417.91 ± 57.80	362.09 ± 65.38	374.41 ± 61.85

Table 56: Visual Norms - Response Times (ms), continued

Age 16							
Male (N=22)	391.64 ± 48.46	406.18 ± 59.30	346.32 ± 56.84	338.86 ± 58.50	398.82 ± 51.18	342.45 ± 55.47	354.82 ± 51.97
Female (N=29)	410.17 ± 51.56	430.69 ± 53.35	364.79 ± 68.77	371.69 ± 71.75	420.10 ± 50.90	368.28 ± 68.50	379.62 ± 60.33
Age 17							
Male (N=18)	426.44 ± 45.92	434.61 ± 48.61	364.78 ± 54.52	360.83 ± 52.52	430.50 ± 46.46	362.94 ± 51.90	377.89 ± 45.92
Female (N=18)	411.89 ± 44.03	418.56 ± 45.98	366.94 ± 52.43	365.00 ± 56.89	415.06 ± 43.63	365.83 ± 52.75	376.72 ± 48.55
Age 18							
Male (N=32)	406.91 ± 68.20	423.16 ± 73.43	363.50 ± 65.88	361.81 ± 72.04	415.31 ± 69.38	362.91 ± 66.95	373.94 ± 64.20
Female (N=66)	431.68 ± 53.86	445.55 ± 66.97	392.74 ± 65.02	393.11 ± 66.39	438.06 ± 59.57	392.53 ± 63.94	402.44 ± 60.60
Age 19							
Male (N=25)	438.04 ± 55.96	441.12 ± 50.34	394.96 ± 59.55	391.88 ± 66.82	439.12 ± 50.06	393.36 ± 60.80	404.04 ± 56.86
Female (N=54)	422.54 ± 41.50	444.63 ± 60.57	393.13 ± 47.43	397.33 ± 62.98	433.22 ± 49.89	394.69 ± 54.13	403.52 ± 49.63
Age 20 - 29							
Male (N=19)	414.68 ± 47.36	428.37 ± 62.11	377.21 ± 51.14	370.63 ± 59.22	420.58 ± 55.47	372.79 ± 54.80	383.58 ± 52.36
Female (N=30)	445.50 ± 59.80	470.63 ± 77.15	409.90 ± 74.12	411.07 ± 81.33	457.80 ± 65.80	410.50 ± 74.80	421.07 ± 71.26
Age 30 - 39							
Male (N=4)	386.00 ± 62.90	388.00 ± 69.02	341.50 ± 77.52	351.00 ± 77.19	386.75 ± 65.76	346.00 ± 76.62	355.25 ± 72.94
Female (N=22)	401.59 ± 52.29	413.36 ± 64.35	364.64 ± 57.13	357.55 ± 65.78	405.91 ± 57.01	365.09 ± 66.59	369.77 ± 53.53
Age 40 - 49							
Male (N=14)	360.71 ± 37.63	367.43 ± 41.36	327.79 ± 34.25	318.57 ± 32.18	364.00 ± 38.72	323.29 ± 32.20	331.93 ± 31.25
Female (N=19)	443.89 ± 85.19	452.32 ± 78.17	401.16 ± 68.60	385.26 ± 64.33	448.16 ± 80.71	393.11 ± 65.32	405.32 ± 66.85
Age 50 - 59							
Male (N=8)	452.75 ± 49.90	477.38 ± 65.23	432.50 ± 48.77	439.88 ± 45.03	465.25 ± 57.18	436.13 ± 45.45	442.88 ± 46.85
Female (N=16)	472.88 ± 46.75	480.81 ± 60.94	428.00 ± 49.93	410.19 ± 39.62	476.81 ± 52.21	419.06 ± 42.10	432.06 ± 41.57
Age 60 - 69							
Male (N=12)	450.67 ± 44.15	474.75 ± 33.90	432.25 ± 36.86	452.17 ± 59.43	471.08 ± 51.46	442.83 ± 40.29	447.17 ± 35.92
Female (N=24)	466.17 ± 47.06	478.83 ± 48.21	438.50 ± 66.75	430.08 ± 62.23	472.54 ± 45.39	434.33 ± 62.87	442.75 ± 57.71
Age 70 - 79							
Male (N=12)	493.00 ± 54.26	501.08 ± 53.03	456.83 ± 52.80	485.25 ± 72.08	496.92 ± 52.95	470.75 ± 59.38	476.75 ± 55.65
Female (N=39)	500.10 ± 56.73	519.28 ± 69.56	475.05 ± 57.90	468.56 ± 54.06	510.03 ± 61.43	471.72 ± 51.73	480.23 ± 50.35
Age 80 and up							
Male (N=8)	541.25 ± 31.30	540.13 ± 37.49	487.75 ± 75.53	495.00 ± 88.28	540.13 ± 31.76	491.38 ± 80.46	502.25 ± 68.44
Female (N=23)	522.17 ± 51.18	532.30 ± 61.40	494.74 ± 70.13	515.22 ± 77.57	527.26 ± 55.54	504.87 ± 70.71	509.57 ± 63.09



Table 57: Visual Norms - Variability (ms)

Years of Age	Quarter				Half		Total
	1	2	3	4	1	2	
Age 4							
Male (N=24)	280.88 ± 69.79		334.29 ± 73.84				330.08 ± 65.98
Female (N=26)	254.42 ± 88.97		331.81 ± 100.49				325.46 ± 91.67
Age 5							
Male (N=66)	228.68 ± 63.68		263.20 ± 74.57				262.94 ± 63.33
Female (N=80)	217.40 ± 69.44		264.23 ± 62.44				260.4 ± 55.69
Age 6							
Male (N=19)	170.58 ± 48.78	212.37 ± 79.58	221.26 ± 53.09	261.05 ± 71.52	198.84 ± 60.20	242.32 ± 58.90	236.95 ± 54.41
Female (N=23)	192.74 ± 64.03	212.09 ± 66.69	239.13 ± 48.97	258.52 ± 46.37	210.74 ± 56.80	250.70 ± 40.60	248.04 ± 38.79
Age 7							
Male (N=61)	168.75 ± 52.74	184.26 ± 67.28	212.59 ± 61.39	236.33 ± 69.74	181.72 ± 54.83	227.54 ± 59.96	223.15 ± 54.93
Female (N=61)	166.95 ± 46.95	175.38 ± 50.43	203.90 ± 56.53	230.02 ± 66.30	176.69 ± 40.63	218.79 ± 55.08	215.87 ± 47.89
Age 8							
Male (N=36)	145.75 ± 55.27	151.61 ± 47.17	162.11 ± 53.94	185.17 ± 55.85	154.28 ± 43.82	176.47 ± 52.58	176.92 ± 47.66
Female (N=38)	149.21 ± 47.83	156.08 ± 46.52	173.76 ± 45.25	207.53 ± 52.04	160.18 ± 34.54	193.92 ± 43.81	192.79 ± 37.89
Age 9							
Male (N=57)	127.07 ± 48.50	135.88 ± 44.90	146.65 ± 48.46	164.93 ± 54.82	135.70 ± 40.64	158.58 ± 48.76	161.74 ± 43.81
Female (N=55)	126.65 ± 41.17	133.40 ± 45.24	149.27 ± 41.65	172.22 ± 52.65	135.22 ± 37.11	163.60 ± 43.55	164.82 ± 38.17
Age 10							
Male (N=33)	107.09 ± 34.15	116.06 ± 36.90	122.33 ± 39.41	142.85 ± 57.76	116.27 ± 30.08	135.61 ± 46.21	137.39 ± 39.30
Female (N=34)	122.00 ± 40.99	114.26 ± 38.44	127.09 ± 41.47	135.59 ± 50.41	122.79 ± 31.66	134.38 ± 44.50	138.32 ± 38.78
Age 11							
Male (N=55)	101.89 ± 34.33	105.98 ± 40.43	110.96 ± 34.47	124.36 ± 47.27	107.33 ± 34.19	119.35 ± 38.34	123.82 ± 33.70
Female (N=60)	108.77 ± 32.18	114.98 ± 38.61	118.47 ± 37.96	131.40 ± 45.66	114.83 ± 32.65	127.37 ± 38.73	130.95 ± 34.36
Age 12							
Male (N=37)	103.92 ± 39.45	110.97 ± 50.52	114.22 ± 40.87	124.35 ± 45.16	110.57 ± 43.21	121.84 ± 40.93	125.05 ± 37.09
Female (N=49)	111.14 ± 52.75	100.39 ± 39.25	110.14 ± 43.82	120.76 ± 45.96	109.10 ± 42.76	117.73 ± 44.21	122.33 ± 40.89
Age 13							
Male (N=66)	89.41 ± 31.40	93.86 ± 38.91	100.21 ± 35.21	107.61 ± 40.91	95.39 ± 34.64	106.33 ± 36.42	108.35 ± 33.71
Female (N=69)	79.70 ± 29.14	92.32 ± 36.08	94.19 ± 32.66	100.22 ± 32.75	89.67 ± 30.47	98.83 ± 31.10	103.09 ± 29.61
Age 14							
Male (N=46)	79.89 ± 23.84	81.41 ± 27.27	99.28 ± 37.30	105.70 ± 41.70	84.39 ± 25.94	105.39 ± 39.15	104.70 ± 35.07
Female (N=36)	79.89 ± 32.68	78.92 ± 22.62	94.81 ± 39.52	97.97 ± 42.41	81.72 ± 25.34	98.39 ± 39.25	100.39 ± 34.64
Age 15							
Male (N=61)	74.41 ± 26.99	82.16 ± 35.97	88.75 ± 27.82	94.89 ± 31.94	82.31 ± 30.53	93.89 ± 28.53	96.59 ± 27.34
Female (N=58)	70.71 ± 19.69	72.95 ± 21.10	86.43 ± 28.68	88.88 ± 28.50	73.79 ± 18.56	89.28 ± 26.59	90.93 ± 22.71

Table 58: Visual Norms - Variability (ms), continued

Age 16							
Male (N=22)	70.00 ± 21.72	81.77 ± 38.97	82.55 ± 24.27	89.18 ± 37.82	79.27 ± 27.89	88.23 ± 28.70	91.59 ± 25.77
Female (N=29)	81.28 ± 26.84	76.10 ± 22.98	90.72 ± 33.58	101.38 ± 45.17	81.14 ± 22.41	98.41 ± 37.46	100.83 ± 32.13
Age 17							
Male (N=18)	87.17 ± 47.37	83.33 ± 47.36	84.78 ± 22.72	91.56 ± 25.83	86.78 ± 45.63	89.50 ± 22.28	95.94 ± 27.72
Female (N=18)	74.72 ± 28.62	63.78 ± 17.93	83.33 ± 22.85	89.44 ± 32.48	71.11 ± 21.48	88.61 ± 24.59	89.56 ± 20.04
Age 18							
Male (N=32)	77.28 ± 36.32	74.09 ± 39.22	80.09 ± 29.40	86.75 ± 34.28	78.13 ± 35.75	86.16 ± 30.31	89.84 ± 29.15
Female (N=66)	64.74 ± 18.93	69.11 ± 19.52	81.03 ± 28.34	84.92 ± 27.06	70.08 ± 17.14	85.24 ± 26.68	86.58 ± 23.18
Age 19							
Male (N=25)	68.68 ± 16.74	69.48 ± 34.41	74.64 ± 20.52	79.36 ± 28.48	72.52 ± 25.00	79.88 ± 23.27	82.92 ± 20.07
Female (N=54)	62.50 ± 15.59	66.37 ± 27.91	80.56 ± 20.11	87.74 ± 33.39	67.70 ± 21.42	85.93 ± 26.30	86.06 ± 23.46
Age 20 - 29							
Male (N=19)	64.79 ± 26.78	70.58 ± 20.78	78.79 ± 17.20	80.84 ± 29.13	69.84 ± 22.77	81.11 ± 22.02	83.53 ± 20.86
Female (N=30)	64.60 ± 20.77	74.10 ± 33.94	81.20 ± 28.39	87.73 ± 39.15	74.13 ± 28.14	86.93 ± 33.09	88.63 ± 29.06
Age 30 - 39							
Male (N=4)	48.75 ± 9.00	50.00 ± 14.09	63.00 ± 15.64	61.25 ± 11.76	49.50 ± 11.09	63.00 ± 12.96	64.00 ± 12.83
Female (N=22)	67.32 ± 30.38	63.27 ± 25.75	76.68 ± 24.25	75.45 ± 24.15	69.41 ± 25.96	80.32 ± 26.37	81.36 ± 24.57
Age 40 - 49							
Male (N=14)	52.86 ± 12.46	52.50 ± 10.76	64.07 ± 14.37	64.14 ± 15.40	54.14 ± 7.59	65.21 ± 11.97	66.14 ± 11.60
Female (N=19)	69.21 ± 27.82	63.95 ± 19.45	79.37 ± 20.50	75.74 ± 22.28	69.11 ± 20.59	79.37 ± 19.83	81.89 ± 21.06
Age 50 - 59							
Male (N=8)	62.00 ± 19.68	60.50 ± 24.73	70.13 ± 8.89	79.00 ± 15.66	63.38 ± 21.31	75.88 ± 10.48	75.38 ± 11.55
Female (N=16)	68.06 ± 26.07	67.88 ± 27.30	76.75 ± 20.55	67.56 ± 17.13	70.81 ± 23.40	74.69 ± 17.88	79.56 ± 17.37
Age 60 - 69							
Male (N=12)	83.17 ± 36.61	75.00 ± 28.87	77.08 ± 19.77	82.00 ± 21.80	82.50 ± 29.77	84.42 ± 25.19	86.50 ± 22.93
Female (N=24)	66.13 ± 20.95	69.88 ± 21.84	76.29 ± 15.59	80.08 ± 26.82	70.54 ± 18.55	80.00 ± 20.06	81.67 ± 16.73
Age 70 - 79							
Male (N=12)	86.92 ± 31.18	77.08 ± 26.62	94.33 ± 31.02	117.92 ± 48.92	83.50 ± 26.79	110.33 ± 38.62	107.08 ± 33.85
Female (N=39)	83.64 ± 34.23	77.69 ± 28.94	99.26 ± 34.41	91.54 ± 27.30	84.46 ± 27.45	97.15 ± 26.78	97.87 ± 26.33
Age 80 and up							
Male (N=8)	114.38 ± 32.15	102.13 ± 16.56	124.75 ± 35.62	128.75 ± 29.24	110.75 ± 17.52	128.38 ± 29.51	128.88 ± 21.68
Female (N=23)	84.83 ± 27.75	78.57 ± 25.77	108.52 ± 50.81	123.52 ± 63.45	83.30 ± 24.68	118.78 ± 55.67	115.00 ± 48.39

Table 59: Visual Norms - D Prime (Perceptual Sensitivity)

Years of Age	Quarter				Half		Total
	1	2	3	4	1	2	
Age 4							
Male (N=24)	1.99 + 1.07		1.18 + 0.63				1.68 + 0.69
Female (N=26)	2.25 + 1.64		1.38 + 0.86				1.86 + 0.84
Age 5							
Male (N=66)	3.18 + 1.15		1.99 + 0.86				2.59 + 0.65
Female (N=80)	3.78 + 1.67		2.40 + 1.05				2.93 + 0.98
Age 6							
Male (N=19)	5.05 ± 1.68	4.70 ± 2.24	2.37 ± 0.96	1.74 ± 1.03	4.45 ± 1.79	2.02 ± 0.97	2.96 ± 0.94
Female (N=23)	4.31 ± 1.39	4.85 ± 1.90	2.91 ± 1.34	2.22 ± 0.95	4.62 ± 1.56	2.40 ± 0.91	3.10 ± 0.70
Age 7							
Male (N=61)	4.77 ± 1.59	4.59 ± 1.89	2.77 ± 1.43	2.18 ± 1.44	4.44 ± 1.62	2.37 ± 1.20	3.19 ± 1.04
Female (N=61)	5.40 ± 1.74	5.77 ± 1.95	3.53 ± 1.40	2.84 ± 1.34	5.31 ± 1.82	3.06 ± 1.31	3.84 ± 1.20
Age 8							
Male (N=36)	5.47 ± 1.66	5.94 ± 1.99	3.78 ± 1.28	3.43 ± 1.44	5.41 ± 1.79	3.64 ± 1.36	4.22 ± 1.24
Female (N=38)	5.98 ± 1.55	6.41 ± 1.85	4.14 ± 1.30	3.65 ± 1.33	5.64 ± 1.66	3.74 ± 1.29	4.31 ± 1.19
Age 9							
Male (N=57)	5.52 ± 1.86	6.06 ± 1.85	3.79 ± 1.48	3.27 ± 1.58	5.49 ± 1.75	3.54 ± 1.46	4.25 ± 1.44
Female (N=55)	6.36 ± 1.67	6.43 ± 1.50	4.35 ± 1.31	3.84 ± 1.45	6.05 ± 1.64	4.01 ± 1.33	4.71 ± 1.23
Age 10							
Male (N=33)	5.66 ± 1.59	6.70 ± 1.72	4.07 ± 1.21	3.74 ± 1.30	5.86 ± 1.65	3.83 ± 1.31	4.60 ± 1.29
Female (N=34)	6.63 ± 1.21	7.21 ± 1.72	4.88 ± 1.35	4.34 ± 1.43	6.73 ± 1.51	4.65 ± 1.32	5.39 ± 1.41
Age 11							
Male (N=55)	6.21 ± 1.56	6.30 ± 2.04	4.15 ± 1.48	3.67 ± 1.62	6.01 ± 1.88	3.84 ± 1.57	4.69 ± 1.48
Female (N=60)	6.34 ± 1.42	6.79 ± 1.72	4.61 ± 1.20	4.09 ± 1.30	6.43 ± 1.49	4.43 ± 1.17	5.06 ± 1.17
Age 12							
Male (N=37)	7.04 ± 1.46	6.96 ± 1.71	4.35 ± 1.44	4.26 ± 1.49	6.62 ± 1.47	4.22 ± 1.41	4.97 ± 1.15
Female (N=49)	7.09 ± 1.50	7.18 ± 1.42	4.93 ± 1.39	4.84 ± 1.50	7.04 ± 1.51	4.64 ± 1.29	5.34 ± 1.26
Age 13							
Male (N=66)	6.60 ± 1.53	6.92 ± 1.64	4.82 ± 1.45	4.72 ± 1.66	6.31 ± 1.53	4.61 ± 1.43	5.16 ± 1.22
Female (N=69)	7.30 ± 1.38	7.39 ± 1.35	4.80 ± 1.58	4.89 ± 1.45	6.98 ± 1.40	4.53 ± 1.33	5.14 ± 1.14
Age 14							
Male (N=46)	7.24 ± 1.06	7.19 ± 1.37	5.08 ± 1.17	5.17 ± 1.39	6.77 ± 1.20	4.83 ± 1.14	5.32 ± 1.05
Female (N=36)	7.72 ± 1.04	7.75 ± 1.13	5.29 ± 1.48	5.47 ± 1.64	7.45 ± 1.07	5.06 ± 1.26	5.71 ± 1.12
Age 15							
Male (N=61)	7.41 ± 1.47	7.34 ± 1.53	4.84 ± 1.64	5.08 ± 1.38	6.92 ± 1.55	4.68 ± 1.32	5.25 ± 1.19
Female (N=58)	7.31 ± 1.36	7.66 ± 1.36	5.20 ± 1.58	5.23 ± 1.88	7.10 ± 1.44	5.10 ± 1.58	5.63 ± 1.42

Table 60: Visual Norms - D Prime (Perceptual Sensitivity), continued

Age 16							
Male (N=22)	$6.82 \pm 1.87$	$7.27 \pm 1.47$	$4.85 \pm 1.88$	$5.04 \pm 1.81$	$6.59 \pm 1.80$	$4.58 \pm 1.53$	$5.16 \pm 1.36$
Female (N=29)	$7.41 \pm 1.48$	$7.56 \pm 1.52$	$5.28 \pm 1.53$	$5.03 \pm 1.62$	$7.27 \pm 1.49$	$4.88 \pm 1.38$	$5.56 \pm 1.31$
Age 17							
Male (N=18)	$7.33 \pm 1.51$	$8.09 \pm 0.85$	$5.47 \pm 1.97$	$5.81 \pm 2.09$	$7.36 \pm 1.32$	$5.00 \pm 1.74$	$5.63 \pm 1.51$
Female (N=18)	$7.23 \pm 1.51$	$7.77 \pm 0.99$	$6.07 \pm 1.55$	$5.46 \pm 1.68$	$7.05 \pm 1.27$	$5.60 \pm 1.57$	$5.88 \pm 1.08$
Age 18							
Male (N=32)	$7.46 \pm 1.03$	$7.24 \pm 1.16$	$4.76 \pm 1.36$	$4.98 \pm 1.79$	$6.93 \pm 0.98$	$4.48 \pm 1.17$	$5.18 \pm 1.04$
Female (N=66)	$7.55 \pm 1.22$	$7.60 \pm 1.23$	$5.14 \pm 1.37$	$5.26 \pm 1.33$	$7.20 \pm 1.26$	$4.92 \pm 1.20$	$5.49 \pm 1.08$
Age 19							
Male (N=25)	$7.82 \pm 0.97$	$8.07 \pm 1.04$	$5.77 \pm 1.08$	$5.90 \pm 1.19$	$7.56 \pm 1.03$	$5.64 \pm 1.17$	$6.24 \pm 1.00$
Female (N=54)	$7.29 \pm 1.16$	$7.45 \pm 1.37$	$5.22 \pm 1.52$	$5.13 \pm 1.52$	$6.98 \pm 1.28$	$4.88 \pm 1.36$	$5.44 \pm 1.14$
Age 20 - 29							
Male (N=19)	$7.03 \pm 1.42$	$7.21 \pm 1.28$	$4.94 \pm 1.14$	$4.88 \pm 1.28$	$6.77 \pm 1.36$	$4.75 \pm 1.15$	$5.30 \pm 1.08$
Female (N=30)	$7.78 \pm 1.29$	$7.63 \pm 1.44$	$5.85 \pm 1.50$	$5.75 \pm 1.82$	$7.30 \pm 1.35$	$5.50 \pm 1.51$	$5.89 \pm 1.25$
Age 30 - 39							
Male (N=4)	$8.53 \pm 0.01$	$8.07 \pm 0.93$	$5.81 \pm 0.34$	$6.35 \pm 1.47$	$8.13 \pm 0.81$	$5.84 \pm 0.44$	$6.49 \pm 0.36$
Female (N=22)	$7.98 \pm 1.13$	$7.92 \pm 1.30$	$6.30 \pm 1.42$	$5.66 \pm 1.25$	$7.58 \pm 1.47$	$5.55 \pm 0.94$	$6.05 \pm 0.96$
Age 40 - 49							
Male (N=14)	$7.57 \pm 1.00$	$7.87 \pm 0.92$	$6.01 \pm 1.47$	$5.67 \pm 0.92$	$7.32 \pm 0.81$	$5.64 \pm 1.04$	$6.29 \pm 0.84$
Female (N=19)	$7.58 \pm 1.06$	$7.67 \pm 1.27$	$5.82 \pm 0.92$	$6.37 \pm 1.17$	$7.29 \pm 1.10$	$5.77 \pm 0.87$	$6.21 \pm 0.85$
Age 50 - 59							
Male (N=8)	$7.45 \pm 1.70$	$7.54 \pm 1.07$	$6.19 \pm 1.05$	$5.38 \pm 1.03$	$6.73 \pm 1.52$	$5.32 \pm 0.94$	$5.71 \pm 1.02$
Female (N=16)	$7.71 \pm 1.11$	$8.27 \pm 0.72$	$6.10 \pm 1.76$	$6.25 \pm 1.53$	$7.79 \pm 1.01$	$5.61 \pm 1.38$	$6.20 \pm 1.22$
Age 60 - 69							
Male (N=12)	$7.69 \pm 1.05$	$8.04 \pm 0.88$	$6.09 \pm 1.76$	$5.89 \pm 1.18$	$7.62 \pm 0.97$	$5.75 \pm 1.30$	$6.19 \pm 0.91$
Female (N=24)	$7.25 \pm 1.35$	$7.76 \pm 1.36$	$5.54 \pm 1.44$	$5.71 \pm 1.17$	$7.13 \pm 1.42$	$5.40 \pm 1.27$	$5.76 \pm 1.23$
Age 70 - 79							
Male (N=12)	$7.19 \pm 1.57$	$6.64 \pm 1.89$	$4.54 \pm 1.79$	$4.53 \pm 1.58$	$6.43 \pm 1.85$	$4.17 \pm 1.46$	$4.77 \pm 1.35$
Female (N=39)	$7.17 \pm 1.29$	$7.03 \pm 1.54$	$4.92 \pm 1.35$	$5.64 \pm 1.46$	$6.55 \pm 1.42$	$4.78 \pm 1.13$	$5.21 \pm 1.01$
Age 80 and up							
Male (N=8)	$5.62 \pm 2.06$	$5.56 \pm 1.64$	$2.94 \pm 0.62$	$4.02 \pm 2.07$	$5.13 \pm 1.66$	$3.04 \pm 0.71$	$3.80 \pm 0.58$
Female (N=23)	$6.51 \pm 1.51$	$7.04 \pm 1.92$	$4.75 \pm 1.68$	$4.22 \pm 1.74$	$6.32 \pm 1.72$	$4.05 \pm 1.35$	$4.63 \pm 1.21$