

Subject's number	Subject's sex	Subject's stature (cm)	Subject's sitting height (cm)	1st uphill trial number of steps	1st uphill trial time	2nd uphill trial number of steps
	1 Female	162	0.88	78	41.12	75
	2 Female	163	0.87	78	41.12	75
		163				
	3 Female		0.86	80	40.11	78
		168				
	4 Female		0.91	87	48.65	90
	5 Female	165.1	0.508	80	43	82
	6 Female	174	0.953	82	50.1	80
	7 Female	174	0.953	82	50.1	80
	8 Female	168	0.84	83	50	81
	9 Female	157	0.946	113	61.4	98
	10 Female	178.6	0.859	86	50.3	82
	11 Female	162.56	0.83312	96	53.9	92
	12 Female	160.8	0.821	87	45	86
	13 Female	177.1	0.863	98	59.92	92
	14 Female	164	0.91	90	62	89
	15 Female	152.4	0.762	112	48	93
	16 Female	154	0.77	98	48.7	92
	17 Female	174	0.914	99	55.7	97
	18 Female	175.3	0.902	99	50	97
	19 Female	162.2	0.837	91	46.7	90
	20 Female	172	0.87	89	51	90
	21 Female	172.7	0.864	88	46	88
	22 Female	152.4	0.8382	93	51.9	91
	23 Female	157	0.843	90	59	91
	24 Female	160	0.83	95	48	97
	25 Female	161	1.87	96	60	94
	26 Female	164.4	0.859	93	48.3	93

27 Female	167.6	0.864	96	48.1	105
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157

28 Female		0.78	94	52	93
29 Female	161.1	0.838	95	47.1	98
30 Female	161.2	0.838	95	47.1	98

161.29

31 Female		0.8382	95	47.1	98
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161.29

32 Female		0.8382	95	47.1	98
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161.29

33 Female		0.8382	95	47.1	98
34 Female	161.8	0.838	95	47.1	98
35 Female	163.8	0.838	92	44.3	89
36 Female	164.7	0.909	93	62	94
37 Female	171.4	0.854	90	48.2	90
38 Female	163	0.86	92	47	93

173

39 Female		0.78	93	50.2	96
40 Female	173	0.91	93	75	96
41 Female	170	0.9	91	52.6	91
42 Female	170	0.9	91	52.6	91
43 Female	170	0.9	91	52.6	91

163

44 Female		0.89	90	52.7	89
45 Female	163	0.79	86	75	90
46 Female	170	0.87	87	44.8	90
47 Female	170	0.869	87	45	90
48 Female	172	0.91	105	60.2	100
49 Female	172	0.91	105	60.2	100
50 Female	175	0.859	99	52.2	96
51 Female	175	0.859	99	52.2	96
52 Female	175	0.859	99	52.2	96
53 Female	175	0.859	99	52.2	96
54 Female	157.3	0.851	101	49.7	105
55 Female	165	0.843	95	62.7	100

	178				
56 Female		0.89	98	49	99
57 Female	178	0.89	98	73	99

	179				
58 Female		0.89	98	49	99
59 Female	155.7	0.768	97	45.9	91
60 Female	155.8	0.779	97	45.9	91
61 Female	160	0.78	97	45.9	91

	163				
62 Female		0.78	86	50.6	90

	163				
63 Female		0.78	86	50.6	90
64 Female	165	0.9	86	46.6	84

	165				
65 Female		0.9	86	46.6	84

	156				
66 Female		0.83	102	51.3	100
67 Female	161	0.86	100	56	98
68 Female	161	0.86	100	56	98
69 Female	161	0.86	100	56	98
70 Female	161	0.86	100	56	98
71 Female	161	0.86	100	56	98
72 Female	161	0.86	100	56	98
73 Female	161	0.86	100	65	98
74 Female	162	0.88	91	52	95

	162				
75 Female		0.86	91	52	95
76 Female	165	0.88	100	56	98
77 Female	156	0.84	98	61	96

	158.7				
78 Female		0.838	97	53.7	95
79 Female	164	0.83	86	46.5	85

	170.18				
80 Female		0.92456	90	47.88	91
81 Female	174	0.92	94	54.02	90
82 Female	169	0.86	90	54	96
83 Female	170	0.89	94	50.1	94
84 Female	170	0.86	95	50.2	94
85 Female	170.2	0.89	114	61	106

163

86 Female		0.8	98	53.33	102
87 Female	167	0.753	126	73	122
88 Female	174	0.88	95	58	95

160

89 Female		0.89	88	45	90
90 Female	160	0.82	101	56.1	103
91 Female	163	0.8	99	50.4	100
92 Female	163	0.8	99	50.4	100
93 Female	160	0.86	100	49.3	99
94 Female	160	0.86	100	49.3	99
95 Female	160	1.31	98	52.3	100
96 Female	163	0.75	100	49.3	99
97 Female	156.6	0.855	98	51.9	98
98 Female	160	0.82	98	51.9	98

163.4

99 Female		0.83	98	58.2	99
100 Female	163.5	0.82	98	51.9	98
101 Female	163.5	0.82	98	51.9	98

175.26

102 Female		0.9144	104	52	106
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170

103 Female		0.87	104	53.5	98
104 Female	170	0.91	104	53.5	98
105 Female	181.5	0.97	100	52.7	98
106 Female	154.94	0.8255	99	57	97
107 Female	155	0.82	99	57	97
108 Female	155	0.83	99	57	97

153

109 Female		0.83	104	45.351	104
110 Female	157	0.82	116	65	110

161

111 Female		0.83	98	51.5	100
112 Female	161	0.83	98	51.5	100
113 Female	170.6	0.871	94	49.3	99
114 Female	171	0.83	98	51.5	97

178

115 Female		0.89	116	58.1	120
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	153				
116 Female		0.838	104	47.452	104
	153				
117 Female		0.838	104	47.452	104
118 Female	153	0.8383	104	47.452	104
119 Female	156.6	0.8234	98	48.5	98
120 Female	157	0.75	100	57.6	101
121 Female	160	0.82	99	50.1	102
	158.3				
122 Female		0.8452	99	49.8	97
	162				
123 Female		1.47	99	49.8	97
124 Female	166	0.88	95	55	92
125 Female	167	0.88	95	55	92
126 Female	169	0.762	115	62.6	108
127 Female	155	0.755	100	63	102
128 Female	160	0.71	94	53	93
129 Female	160	0.71	94	53	93
130 Female	160.02	0.7112	94	53	93
131 Female	160.02	0.7112	94	53	93
132 Female	160.02	0.7112	94	53	93
133 Female	170.2	0.826	113	64	107
134 Female	160	0.868	106	64	108
135 Female	181	0.82	104	53.2	99
136 Female	158	0.86	101	47.6	104
137 Female	160.3	0.866	106	64	107

	162				
138 Female		0.84	107	63	108
139 Female	162	0.84	107	63	108
140 Female	163.2	0.835	101	47.6	104
141 Female	167	0.84	103	62	101
142 Female	165	0.89	102	59	104
143 Female	151.1	0.813	101	52.3	107
144 Female	153.5	0.83	106	54.7	104
	153.53				
145 Female		0.8252	106	54.78	104
	157				
146 Female		0.66	107	102	108
	157.4				
147 Female		0.661	107	102	108
148 Female	157.4	0.661	107	62	108
149 Female	157.48	0.6614	107	62	108
150 Female	157.5	0.66	107	59	108
151 Female	157.5	0.661	107	62	108
152 Female	160	0.85	106	90	103
	170.18				
153 Female		0.9652	101	55.7	103
154 Female	165	0.85	102	55.8	104

155 Female	165	0.85	102	56	104
	165.3				
156 Female		0.853	102	55.8	104
157 Female	165.3	0.853	102	56	104
	175.26				
158 Female		0.9334	105	50.6	103
159 Female	166	0.85	113	62	112
	167				
160 Female		0.82	101	57.6	102
161 Female	165 .89I		102	59	104
162 Female	158	0.889	100	53.29	102
	160.02				
163 Female		0.8382	105	67.9	106
164 Female	161	0.32	93	51.5	103
	177				
165 Female		0.9	113	62	111

162.5

166 Female		0.855	107	57.7	103
167 Female	162.6	0.845	108	59	112
168 Female	169.5	0.894	102	52.2	105
169 Female	151.8	0.566	108	54.4	112
170 Female	169	0.906	112	104.9	112
172 Female	157.5	0.8	115	59.6	114
173 Female	158	0.8	115	59.6	114
174 Female	160	0.8	115	59.6	114
175 Female	162	0.82	107	60	110
176 Female	162	0.82	107	60	110
177 Female	162.6	1.257	114	56.8	106
178 Female	163	1.26	114	56.8	106
179 Female	163	1.26	114	56.8	106
180 Female	163.6	0.838	114	56.8	106
181 Female	158	0.85	114	62	111
182 Female	158	0.85	114	62	111
183 Female	162	0.85	111	61.15	110
184 Female	162.5	0.853	111	61.155	110
185 Female	174	0.79	106	50.3	102
186 Female	166.2	0.825	105	56.5	108
187 Female	164	0.92	112	47	113
188 Female	164	0.92	112	47	113

164

189 Female		0.88	110	55	109
190 Female	144.8	0.813	110	59.3	105

160.5

191 Female		0.82	113	61.4	108
192 Female	165	0.86	137	73	137
193 Female	165	0.81	107	56.1	109
194 Female	165	0.82	107	56.15	109
195 Female	165.5	0.817	107	56.15	109
196 Female	165.5	0.817	107	56.15	109
197 Female	165.5	0.817	107	56.15	109
198 Female	164.4	0.825	125	73	127
199 Female	152.4	0.832	114	59.8	117
200 Female	152.4	0.832	114	59.8	117
201 Female	155	0.8	110	63.5	108

162.56

202 Female		0.79375	121	62	119
	167				
203 Female		0.88	126	62.4	124
204 Female	164	0.84	133	54	129

164

205 Female		0.84	133	54	123
206 Female	164	0.84	133	54.4	125
207 Female	164	0.84	133	54.4	125
208 Female	164	0.84	133	54.4	125
209 Female	164	0.84	133	54.4	125

210 Female	163	0.9	120	59.6	120
211 Female	156.21	0.8	109	55	110
212 Female	149.5	0.765	104	58.1	105
213 Female	168	0.89	124	68.2	125
214 Female	167	0.86	110	77.05	119
215 Female	161	1.25	111	64.09	110
216 Female	169	0.87	117	75.48	113

161.4

217 Female		0.851	126	65	128
218 Female	156	1.25	122	58.02	124
219 Female	156	1.25	122	58.02	124
220 Female	161	0.838	134	74	127
221 Female	170	0.86	122	72	121

168

222 Female		1.27	124	71.4	120
223 Female	153.7	0.724	123	68	129
224 Female	162.6	0.838	123	68	129
225 Female	162.6	0.838	123	68	129
226 Female	162.6	0.839	123	68	129
227 Female	180	0.9	135	78	130
228 Female	152	0.76	137	68	135
229 Female	152	0.3	145	118	130
230 Female	145	0.78	138	71	138
231 Female	170	0.85	134	72	140
232 Female	170	0.857	138	71	138
233 Female	170	0.86	138	71	138
234 Female	170.18	0.8636	143	66	135
235 Female	152	0.91	129	63	130

	154.96				
236 Female		0.9144	129	63	130
237 Female	175	0.41	130	74	132
238 Female	175	0.41	130	74	132
239 Female	175	0.41	130	74	132
240 Female	175	0.41	130	74	132
241 Female	160	0.43	141	78	141
242 Female	160	0.43	141	78	141
243 Female	160	0.43	141	78	142
244 Female	152	0.3	130	120	135

	172.2				
245 Female		0.925	150	81	148
246 Female	152	0.3	146	81	147
247 Female	154.94	0.8636	160	80	165
248 Female	160	1.24	197	83.42	188

	162.4				
249 Female		0.871	183	103	187

	150.9				
250 Female		0.803	192	114	189
251 Female	151	0.84	169	89	173
252 Female	151	0.84	169	89	173

161.2

253 Female		0.838	95	47.1	98
254 Female	175	0.859	99	52.2	96
255 Female	175	0.859	99	52.2	96
256 Female	165	0.84	95	62	100
257 Female	161	0.86	100	56	98
258 Female	161	0.86	100	56	98
259 Female	161.7	0.883	92	52	95
260 Female	169	0.865	90	54	96
261 Female	167	0.753	126	73	122
262 Female	178.3	1.0871	101	57.32	103
263 Female	161.29	0.798	110	53.1	109
264 Female	157.5	0.66	107	62	108
265 Female	173	0.93	100	53.7	98
266 Female	154	0.8	107	45	109

172.72

267 Female		1.0414	105	48.5	106
268 Female	162.2	0.8719	108	54.01	105
269 Female	152	0.87	111	51	113
270 Female	157.6	0.851	114	62	111
271 Female	164	0.82	109	55.4	107

160.02

272 Female		0.8128	117	56.41	119
273 Female	167.6	0.939	116	59.03	114
274 Female	163.9	0.918	112	47	113
275 Female	165.5	0.817	107	56.1	109
276 Female	165.5	0.817	107	56.15	109
277 Female	166.37	0.9525	121	62.34	119
278 Female	163	0.84	120	70	124
279 Female	163	0.84	123	68	129

157.7

280 Female		1.284	199	107	194
281 Female	161.9	1.27	93	48	85

	173				
282 Female		0.91	93	50.2	96
	186.1				
283 Male		0.9487	69	40	71
284 Male	183.8	0.927	73	40.2	74
	188				
285 Male		1.57	69	40	71
286 Male	173.8	0.891	76	45.8	76
287 Male	171	85	86	49.9	89
288 Male	166	0.85	130	80	128
289 Male	184	0.89	91	50.34	93
	167				
290 Male		0.85	82	46	83
	167				
291 Male		0.86	82	46	83
292 Male	167	0.855	82	46	83
293 Male	167	0.86	82	46	83

167

294 Male		0.86	82	46	83
295 Male	192.2	0.925	81	48.6	80
296 Male	175.26	0.9271	72	53	76
297 Male	180	0.96	86	50.2	81
298 Male	190	0.88	86	50.2	81
	173				
299 Male		1.33	84	48.6	84
300 Male	173	1.33	84	48.6	84
	178				
301 Male		0.93	82	45	80
302 Male	183	0.912	88	53.5	89

186.7

303 Male		0.958	95	56.31	93
304 Male	182.9	0.914	92	52.99	90
305 Male	193	0.94	81	45.7	83
306 Male	193	0.95	81	45.7	83
308 Male	172	0.87	96	55.5	85
309 Male	183	0.94	97	57.6	100
310 Male	183	0.94	97	57.6	100
311 Male	183.7	0.855	86	50.2	87
312 Male	165	0.91	90	56	91
313 Male	162.56	1.0668	114	62	98

170

314 Male		1.35	96	52	96
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183.8

315 Male		0.854	86	50	87
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316 Male	178.1	0.876	96	57.009	89
317 Male	176	0.91	90	47.94	90
318 Male	184	0.98	80	46	81
319 Male	180	0.97	91	50	88
320 Male	190	0.9	91	50	88
321 Male	195	0.97	91	50	88
322 Male	182.3	0.991	82	54.2	86
323 Male	177	0.9398	91	47.7	92
324 Male	177.5	0.913	91	47.8	93
325 Male	178	1.35	100	49.6	102
326 Male	180	80	86	49.9	89
327 Male	181.6	0.977	92	57.2	90
328 Male	179	1.34	100	49.6	100
329 Male	181	0.92	95	53	92
330 Male	179	0.88	95	54.8	94
331 Male	175	0.95	98	56.3	100
332 Male	178	0.89	100	54.2	106
333 Male	178	0.89	100	54.23	106
334 Male	178	0.89	100	54.23	106
335 Male	173	0.85	88	50.5	85
336 Male	173	0.85	88	50.51	85
337 Male	172.5	0.9	88	50.24	90
338 Male	178	0.89	98	61	101
339 Male	179	0.92	94	54.5	106
340 Male	180.34	0.9652	103	64	101
341 Male	180.34	0.9652	103	64	101
342 Male	182.9	0.914	96	58	96
343 Male	190	0.97	100	94	89
344 Male	178	0.891	98	61	101
345 Male	178.8	1.212	93	58.4	89

346 Male	180	0.94	94	50.2	95
347 Male	180	0.91	101	62	99
348 Male	173	1.34	105	55	108
	179.9				
349 Male		1.27	96	53	96
350 Male	185	0.95	99	66.3	100
	173				
351 Male		1.34	105	55	108
352 Male	179	1.34	89	47.2	87
	177.8				
353 Male		0.91	105	57.7	102
354 Male	177.8	0.91	105	57.7	102
355 Male	177.8	0.91	105	57.7	102
356 Male	183.3	0.981	101	57.61	103
	172.5				
357 Male		0.9	86	64	95
	179				
358 Male		1.35	89	46.9	92

	180				
359 Male		0.95	105	56	104
	170.4				
360 Male		0.892	105	58.2	106
361 Male	173	0.95	103	49.2	104
362 Male	170.7	1.333	112	70	119
363 Male	150	0.79	100	56.7	98
364 Male	170	0.925	130	56.7	122
	168				
365 Male		0.88	113	58.6	114
366 Male	168	0.89	113	58.6	114
	168				
367 Male		0.88	105	64	104
	179				
368 Male		1.34	89	48.2	92

177.5

369 Male		0.935	100	64	103
370 Male	184	1.35	113	59.9	111

166

371 Male		0.88	127	64	123
372 Male	178	1.35	131	72	126
373 Male	175	0.74	124	87	129
374 Male	170.18	1.2446	124	70	126

189.2

375 Male		0.953	118	69.7	117
376 Male	189.2	0.94	118	69.7	117
377 Male	178	0.912	151	84	156

172

378 Male		0.72	129	81	134
379 Male	172	0.72	129	81	134
380 Male	172.7	0.675	160	148	154
381 Male	175	0.8	122	84	132
382 Male	177	0.891	135	86	140

176

383 Male		0.73	124	87	119
384 Male	176	0.92	132	86	142

	170				
385 Male		0.71	141	91	138
386 Male	165.2	0.871	176	96	172
	165				
387 Male		0.85	137	73	165
388 Male	165	0.85	137	73	165
	165				
389 Male		0.85	137	73	165
	165				
390 Male		0.85	137	73	165
	171				
391 Male		0.72	135	79	130
	165				
392 Male		0.85	137	73	165
393 Male	165.1	0.7366	88	49.9	88
394 Male	179	0.91	90	57	91
395 Male	175	0.906	93	61.68	92
396 Male	195.5	1.313	100	52.66	98
397 Male	179	0.917	94	54.5	106
398 Male	180	0.92	94	54	106
399 Male	162	0.71	97	47	98
400 Male	182.88	0.9652	108	51	111
401 Male	185.4	1.143	107	53.42	109
402 Male	170.6	0.891	105	58.2	106

168

403 Male		0.89	113	58.6	114
404 Male	186.69	1.168	115	58.12	115
405 Male	165.5	0.882	127	64	123

T test	1.6565E-211
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2nd uphill trial time	3rd uphill trial number of steps	3rd uphill trial time	1st downhill trial number of steps	1st downhill trial time	2nd downhill trial number of steps	2nd downhill trial time
41.12	76	39.53	71	35.75	70	30.15
38.32	76	39.53	71	35.75	70	30.15
38.4	75	37.33	73	35.2	70	30.51
49.06	88	50.06	75	45.65	80	42.1
44	83	44	78	40	79	40
50	85	51.4	78	42.8	78	42.9
50	85	51.4	78	42.8	78	42.9
52	82	49	80	51	80	50
58	92	59	80	45	84	44.5
47.8	82	45.1	84	46.4	81	45.4
49.2	95	51	83	46.8	85	47
45.6	85	47.7	85	42.5	85	43.1
55.86	96	58.29	86	48.11	81	43.67
60	90	63	84	55	85	56
47	90	45	93	49	84	43
48.7	90	41.7	87	38.2	89	38.9
56.1	96	56	87	51.5	88	50.9
49.3	96	96.5	87	46.7	84	44.3
48.2	89	47.9	87	43.8	87	45.7
50.8	94	55	87	48.4	87	49
45	89	45	87	46.2	88	43
50.1	94	52.3	87	44.6	86	45.2
58	90	57	89	53	89	54
49.3	99	50.1	89	46	88	47
63	100	56	89	54	83	45
49.3	91	48.3	90	46.4	89	46.1

47.6	98	46.2	92	44.5	87	42.9
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54	91	52	90	40	91	45
44.8	96	46.5	85	37.6	93	43.8
44.8	96	46.5	85	37.6	93	43.8

44.8	96	46.5	85	37.6	93	43.8
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44.8	96	46.5	85	37.6	93	43.8
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44.8	96	46.5	85	37.6	93	43.8
44.8	96	46.5	85	37.6	93	43.8
44	93	45	89	41.6	90	43.8
63	92	60	89	57	90	59
47.9	91	48.9	89	48.2	90	48.8
45.9	93	47.2	90	44.4	90	43.8

50.4	94	50.5	91	44	90	45
72	94	74	91	68	90	68
53.5	89	51	90	49.4	89	46.2
53.5	89	51	90	49.4	89	46.2
53.5	89	51	90	49.4	89	46.2

50.8	85	48.9	92	51	92	51.2
77	94	73	89	68	92	69
43.1	89	46.3	94	45.9	88	41.2
43	89	46	94	46	88	41
58.9	102	58.4	89	47.2	92	50.7
58.9	102	58.4	89	47.2	92	50.7
51.1	86	49.6	90	45.9	92	46.3
51.1	86	43.6	90	45.9	92	46.3
51.1	86	49.6	90	45.9	92	46.3
51.1	86	49.6	90	45.9	92	46.3
58.1	102	56.7	89	49	92	52.3
56.3	96	56.8	90	47.5	92	46.2

50.1	96	49.8	92	43	90	44
74	96	73	92	68	90	69

50.1	96	49.8	92	43	90	44
40.9	90	40	94	39.6	91	37.8
40.9	90	40	94	39.6	91	37.8
40.9	90	40.1	94	39.6	91	37.8

50.7	94	51	94	43.6	92	44.6
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50.7	94	51	94	43.6	92	44.6
47.7	87	50.2	92	47.9	90	46.8

47.7	89	50.2	92	47.9	90	46.8
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47.8	99	46.3	95	44.6	92	44.4
56	98	56	95	53	94	51
56	98	56	95	53	94	51
56	98	56	95	53	94	51
56	98	56	95	53	94	51
56	98	56	95	53	94	51
56	98	56	95	53	94	51
56	98	56	95	53	94	51
53	98	53	92	50	92	47

53	98	53	92	50	92	47
56	98	56	95	53	94	51
61.5	101	64.3	93	48	95	49.7

50.2	98	54.1	94	44.5	94	45.2
45.3	86	45.7	93	45.8	95	47

46.84	94	44.42	94	51.31	93	47.16
50.4	95	52.1	93	45.02	91	46.3
52	95	51	93	48	95	49
50	94	50.2	93	50.1	94	50.1
50	94	50.3	93	50.1	94	50.5
61	115	61	94	46	93	45

48	98	52	94	49.2	94	51.1
77	125	80	97	52	95	55
55	95	57	95	53	95	54

46	90	46.5	96	48.8	95	48.5
57.1	103	57.4	95	53.1	97	55.1
57.6	103	59.3	90	47.2	98	50.4
57.6	103	59.3	90	47.2	98	50.4
49.8	98	48.6	97	51	95	46.8
49.8	98	48.6	97	51	95	46.8
49.6	98	51.3	96	47.3	95	46.6
49.8	98	48.6	97	51	95	46.8
53.2	103	56.4	97	50.2	95	49.5
53.2	103	56.4	97	50.2	95	49.5

59.5	101	60.5	97	50.2	96	49.6
53.2	103	56.4	97	50.2	95	49.5
53.2	103	56.4	97	50.2	95	49.5

56.1	105	56	97	52	96	51
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54	100	55	96	48	98	49
54	100	55.2	96	48	98	49
51.4	97	49	98	46.1	97	47.2
55	101	62	97	50	95	47
55	101	62	97	50	95	47
55	101	62	97	50	95	47

47.123	104	48.918	100	58.901	95	40.789
60	112	63	100	57	98	53

53	99	51	97	48.4	97	47
53	99	51	97	48.4	97	47
50.1	95	49.7	96	49.6	95	48.6
52	98	53	97	48.4	99	48.3

57.3	115	60.8	98	47.88	99	46.2
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46.429	104	48.018	100	55.892	99	43.405
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46.429	104	48.018	100	55.892	99	43.405
46.429	104	48.018	100	55.892	99	43.405
48.7	99	48.8	98	47.8	98	48.1
56.5	103	55.6	99	50.4	98	50.1
52.3	101	49.8	98	46.6	100	47.2

50	95	46.8	105	50.7	98	48.6
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50	95	46.8	105	50.7	98	48.6
49	98	59	97	52	95	47
49	98	59	97	52	95	47
64.3	112	66.1	98	58.5	96	59.2
63	106	67	93	59	105	64
52.3	92	51.1	99	55	100	54.3
52.3	92	51.1	99	55	100	54.3
52.3	92	51.1	99	55	100	54.3
52.3	92	51.1	99	55	100	54.3
52.3	92	51.1	99	55	100	54.3
55	105	55	98	50	101	52
65	107	64	101	58	99	56
53.2	102	55.1	100	55.8	97	54.3
48.7	106	49.6	96	45.4	103	45.1
64.8	108	65.2	101	58.5	100	57.3

64	108	65	101	51	100	51
64	107	63.5	101	51.5	100	51.3
48.7	106	49.6	96	45.4	103	45.1
60	102	61	102	55	100	53
61	102	60	100	52	100	53
59.1	105	48.3	112	49.8	93	49.7
63.67	105	57.97	100	52.38	102	53.02

63.67	105	57.97	100	52.38	102	53.02
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56.5	105	53.2	102	49.6	101	50.9
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56.5	105	53.2	102	49.6	101	50.9
56.5	105	53.2	102	49.6	101	50.9
56.5	105	53.2	102	49.6	101	50.9
56.5	105	53.2	102	49.6	101	50.9
56.5	105	53.2	102	49.6	101	50.9
93	96	93	94	90	106	88

56.1	105	55.1	102	54.5	100	55.6
54.4	96	54.8	101	51.3	102	51.7

54	96	55	101	51	102	52
54.4	96	54.8	101	51.3	102	51.7
54	96	55	101	51	102	52
49.2	104	49.8	102	46.7	102	47
63	115	65	104	55	100	52
58.2	104	57.8	105	54	99	52.3
61	102	60	105	52	100	53
53.99	101	53.59	104	53.44	101	52.26
66.2	101	55.7	111	63.7	108	61.7
62	105	64	97	48.5	107	55.4
60	114	65	104	55	106	60

52.5	104	53.6	107	57.7	105	56.2
64	111	61	105	53	108	58
55	105	54	103	49.6	106	51.7
55.6	109	54.8	105	53.5	104	53.9
105.8	111	103.6	107	58.8	104	55.5
56	112	55.3	108	54.8	107	51.4
56	112	55.3	108	54.8	107	51.4
56	112	55.3	108	54.8	107	51.4
63	109	61	105	52	107	51
63	109	63	105	52	107	51
53.7	110	54.9	110	51.5	105	50.3
53.7	110	54.9	110	51.5	105	50.3
53.7	110	54.9	110	51.5	105	50.3
53.7	110	54.9	110	51.5	105	50.3
59	111	58	106	55	109	56
59	111	58	106	55	109	56
60.89	108	59.508	110	60.29	107	54.97
60.897	108	59.508	110	60.294	107	54.975
48	103	48.9	110	46.6	107	43.4
58.1	104	57.6	110	52.3	109	48.9
46	112	45	110	43	108	42
46	112	45	110	43	108	42

53	107	52	108	54	110	53
60.2	102	55.5	116	65.9	114	58.3

61	110	59.3	110	59.5	112	59.4
74	136	73	114	62	112	61
57.6	104	53.5	123	51.4	108	49.6
57.6	104	53.55	123	51.45	108	49.65
57.6	104	53.55	123	51.45	108	49.65
57.6	104	53.55	123	51.45	108	49.65
57.6	104	53.55	123	51.45	108	49.65
67	130	66	110	56	116	58
59.7	118	58.6	114	54.4	114	55
59.7	118	58.6	114	54.4	114	55
66	113	65.3	120	65.1	115	64

58	123	65	117	51	115	47
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63.3	124	61.6	126	60	109	62.4
54.5	125	54	116	69	120	63.1

54	129	54	116	60	118	61
54	129	54.5	116	60.9	118	61.9
54	129	54.5	116	60.9	118	61.9
54	129	54.5	116	60.9	118	61.9
54	129	54.5	116	60.9	118	61.9

60.2	121	61.3	120	58.6	119	56.5
55	106	56	118	59	120	61
59	106	59.4	119	57.9	121	59.3
69	124	68.1	119	66.8	120	66.9
76	116	76.47	121	77.12	120	71.46
62.06	108	63.1	124	69.04	117	62.01
72.78	115	69.63	122	68.87	126	69.32

67	129	68	122	0.04375	124	0.04444444
59.1	124	61.03	123	60.04	122	60.05
59.1	124	61.03	123	60.04	122	60.05
69	140	80	120	59	123	60
73	121	73	124	68	124	63

69.6	122	70.3	127	1:08.6	122	1:08.2
63	124	61.6	123	57.8	126	57.3
63	126	61	123	57.8	126	57.3
63	124	61.6	123	57.8	126	57.3
63	124	61.6	123	57.8	126	57.3
75	127	73	130	72	124	68
67	135	68	127	60	128	61
120	140	118	138	110	135	125
72	137	72	135	58	134	63
79	154	84	128	68	130	62
72	137	73	135	58	134	63
72	137	73	135	58	134	63
63	143	62	135	58	136	56
68.2	130	69.5	138	57.8	136	60.2

68.2	130	69.5	138	57.8	136	60.2
73	129	76	136	72	135	72
73	129	76	136	72	135	72
73	129	76	136	72	135	72
73	129	76	136	72	135	72
79	139	82	138	77	137	77
79	139	82	138	77	137	77
77	143	76	138	77	139	76
125	145	120	138	128	140	120

82	152	84	140	68	140	71
82	145	81	144	79	143	80
82	161	79	149	45	153	47
88.24	191	84.67	156	66.65	149	65.41

106	181	105	152	86	157	89
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116	194	115	161	94	164	96
92	170	88	167	108	167	89
92	170	88	167	108	167	89

44.8	96	46.5	85	37.6	93	43.8
51.1	86	49.6	90	45.9	92	46.3
51.1	86	49.6	90	45.9	92	46.3
56.3	96	66.8	90	47.5	92	46.2
56	98	56	95	53	94	51
56	98	56	95	53	94	51
53	98	53	92	50	92	47
52	95	51	93	48	95	49
77	125	80	99	52	95	55
58.03	100	57.74	96	54.83	95	53.67
54.23	107	53.41	101	49.2	98	47.99
56.5	105	53.2	102	49.6	101	50.9
54	103	55.5	102	53.4	103	54.2
46	105	44	103	43	104	42

49.75	109	51.15	102	46.7	103	46.23
55.13	108	53.78	106	51.13	105	53.66
49	116	49	106	47	105	46
59	111	58	106	55	109	56
55.2	108	57.6	105	50.4	108	49.6

57.12	126	60.32	112	53.72	109	51.98
58.79	113	58.02	109	56.22	110	55.95
46	112	45	110	43	108	42
57.6	104	53.5	123	51.4	108	49.6
57.6	104	53.55	123	51.45	108	49.65
61.56	121	62.213	116	57.93	114	56.88
68	123	67	122	58	125	59
63	124	61.6	123	57.8	126	57.3

102.9	194	104.8	196	105	192	98
46	89	48	88	46	89	48

50.4	94	50.5	91	44	90	45
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43.5	70	41.1	74	41.6	43.6	79
41.8	73	39.6	70	38.6	72	38.9

43.5	70	41.1	74	41.6	79	43.6
42.7	78	43.5	73	39.5	74	40.5
46.4	90	47.1	92	51.7	46.3	88
76	126	74	112	60	110	58
52.94	97	54.13	80	45.65	78	43.89

45.7	82	43.8	78	43	78	43
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45.7	82	43.8	78	43	78	43
45.7	82	43.8	78	43	78	43

45.7	82	43.8	78	43	78	43
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45.7	82	43.8	78	43	78	43
42.8	80	44.5	87	48.6	77	41.9
51	70	55	83	56	79	52
43.9	77	43.1	85	48.5	78	44.7
43.9	77	43.1	85	48.5	78	44.7
48.3	83	47.2	80	45.1	81	42.7
48.3	83	47.2	80	45.1	81	42.7
51	83	55	83	52	79	58
53.4	87	53.4	83	51.5	84	51.2

54.56	98	58.87	84	48.33	82	46.73
50.61	95	53.32	85	46.71	84	46.12
47.6	86	49.1	85	48.4	84	48.1
47.6	86	49.1	85	48.4	84	48.1
57	98	58.8	85	44	85	45.2
59.3	101	60.1	88	50.4	84	47.2
59.3	101	60.1	88	50.4	84	47.2
51.5	86	51.1	85	49.2	86	49
58	90	57	85	54	86	55
68	83	54	94	45	99	59

53	99	54	86	52	84	51
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51.3	86	50.4	86	48.5	86	50.1
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47.9	89	51.8	90	51.658	86	48.6
48.69	89	42.52	83	42.51	87	45.18
46	80	45	87	46	86	45
48.5	92	46.7	92	54	84	46.5
48.5	92	46.7	92	54	84	46.5
48.5	92	46.7	92	54	84	46.5
55.3	83	54.1	88	51.2	90	53.4
48.9	91	46.6	89	46.2	88	47.5
49.2	90	46.8	88	46.1	89	48.8
50.2	100	49.8	89	46.9	89	47.4
46.4	88	45.8	92	57.7	88	46.3
56	91	51.7	86	56.6	90	53.7
50.2	100	54.1	89	46.9	89	46.5
49.3	82	48.2	93	51	90	48.8
50.6	95	51	93	48	90	47
57.9	109	60	92	47.7	90	46.2
52.4	99	49.5	91	46	92	45.3
52.42	99	49.49	91	46.02	92	45.34

52.42	99	49.49	91	46.02	92	45.34
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49.2	87	48	93	45	90	48
49.2	87	48.2	93	45	90	48
51.35	87	50.64	92	43.65	94	42.87
62	103	66	91	58	92	59

53.1	90	51.9	93	49.6	90	48.1
61	99	60	92	53	90	52
61	99	60	92	53	90	52
53.4	95	56	90	51.6	93	50
91	93	95	94	89	92	87
62	59	66	91	58	95	59

44.3	91	49.3	89	48.1	93	51.2
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49	95	48.5	93	46.8	94	46.1
60	101	61	94	54	96	56
57	105	55	99	48	96	47

53	90	46	98	51	96	47
67.4	98	68.3	96	56.6	97	57

57	105	56	97	48	96	47
46.5	90	47.2	100	50	98	49.3

56	107	58.4	101	53.4	98	53.4
56	107	58.4	101	53.4	98	53.4
56	107	58.4	101	53.4	98	53.4
57.12	101	58.88	100	54.72	100	55.09

115	90	80	88	70	115	100
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47.8	92	46.9	100	49.6	104	52.1
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58	105	57	104	47	103	45
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56.7	106	56.2	104	53.1	104	52.8
50.9	102	51.8	104	47.3	107	50.9
64	107	77	109	62	107	57
55.1	98	54.9	108	57.8	107	57.3
65.1	125	66.5	106	54.8	110	56.7

59.5	113	60	107	53.2	111	56.8
59.5	113	60	107	53.2	111	56.8

61	105	63	109	62	109	59
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50.7	98	53.1	105	52.6	111	55.8
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67	105	66	112	60.5	113	61
57	112	59	113	64	113	61

67	131	66	110	57	118	58
68	133	73	119	57	112	52
90	132	89	112	66	117	67
75	120	75	118	60	122	64

67.6	119	65.8	122	63.3	121	64.6
67.6	119	65.8	122	63.3	121	64.6
87	159	90	121	64	120	69

86	131	84	119	61	122	64
86	131	84	119	61	122	64
144	166	152	137	115	133	114.8
80	120	75	138	65	142	59
89	149	87	142	81	139	80

83	134	90	145	64	138	59
91	140	89	139	80	149	87

86	143	83	143	71	148	78
93	179	95	147	79	144	81

72	131	69	161	71	143	67.5
72	131	69	161	71	143	67.5

72	131	69	161	71	143	67.5
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72	131	69	161	71	143	68
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75	137	73	153	67	147	65
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72	131	69	161	71	152	65
46.3	92	51.7	89	46.3	89	46.4
58	87	54	83	47	82	45
57.63	92	58.18	86	50.26	86	50.37
51.33	101	51.76	93	50.88	84	51
53.1	90	31.9	93	49.6	90	48.1
53	90	51	93	49	90	48
48	96	46	93	43	92	45
52.2	110	52	105	52.3	97	54.7
54.62	111	56.47	104	50.37	100	49.04
56.7	106	56.2	104	53.1	104	52.8

59.5	113	60	107	53.2	111	56.8
60.02	113	58.43	111	56.78	109	55.73
67	131	65	110	57	118	58

3rd downhill trial number of steps	3rd downhill trial time	comments	ave up hill steps time	mean down hill steps
70	32.57			
70	32.57		#DIV/0!	70.33333333
		subject overall too more going up hill than		
69	29.45	going down The data supports the hypothesis that people take smaller going uphill than	40.59	70.33333333
79	43.48	downhill.	39.6566667	70.66666667
78	40		38.6133333	78
81	43.1		49.2566667	78.33333333
81	43.1		43.6666667	79
80	50		50.5	79
79	43.3	Due to the	50.5	80
79	42.8		50.3333333	81
83	46		59.4666667	81.33333333
84	41.9		47.7333333	83.66666667
87	49.96		51.3666667	84.66666667
86	58		46.1	84.66666667
80	41		58.0233333	85
83	34.2		61.6666667	85.66666667
84	51.2		46.6666667	86.33333333
88	45.5		46.3666667	86.33333333
86	44.2		55.9333333	86.33333333
86	47.2		65.2666667	86.66666667
86	44		47.6	86.66666667
89	43.8		52.2666667	87
87	52		45.3333333	87.33333333
88	48.5		51.4333333	88.33333333
94	55		58	88.33333333
88	44.5		49.1333333	88.66666667

88	41.8	59.6666667	89
	Wet ground, but not raining when experiment		
87	93 done	48.6333333	89
90	42.5	47.3	89.33333333
90	42.5	52.6666667	89.33333333
	The test subject may have been tired due to repeating the experiment without		
90	42.5 stopping.	46.1333333	89.33333333
	Our subject was in a hurry to get to her next class so she might have sped up her time in order to leave early. She was also notorious for walking too fast and not keeping pace with her friends. This may have affected our		
90	42.5 data.	46.1333333	89.33333333

		The test		
		subject may		
		have been		
		tired due to		
		repeating the		
		experiement		
		without		
90	42.5	stopping.	46.1333333	89.33333333
90	42.5	None	46.1333333	89.33333333
89	43		46.1333333	89.33333333
89	58		46.1333333	89.33333333
89	48.6		44.4333333	89.33333333
89	43.5		61.6666667	89.33333333
		The subject		
		appears to		
		have taken		
		less down		
88	43.6	the hill	48.3333333	89.66666667
88	66		46.7	89.66666667
91	48.4		50.3666667	89.66666667
91	48.4	none.	73.6666667	90
91	48.4		52.3666667	90
		During the		
		third		
		expierement		
		the subject		
		noted that		
		she was		
87	46.2	cold.	52.3666667	90
90	66		52.3666667	90.33333333
89	42.2		50.8	90.33333333
89	46		75	90.33333333
90	49.3		44.7333333	90.33333333
90	49.3		44.6666667	90.33333333
89	43.6		59.1666667	90.33333333
89	43.6		59.1666667	90.33333333
89	43.6		50.9666667	90.33333333
89	43.6		48.9666667	90.33333333
91	54.1	n/a	50.9666667	90.33333333
91	45.5		50.9666667	90.66666667

		It appeared that when walking uphill, subjects took a greater		
91	43.8	number of .	54.8333333	91
91	70		58.6	91
		The subject appears to have walked down the hill faster then		
91	43.8	up it	49.6333333	91
91	37.9		73.3333333	91
91	37.9		49.6333333	92
91	37.9		42.2666667	92
		The pace of each uphill/downh ill walk was slightly		
90	43	different	42.2666667	92
		Similar to Subject 1 and Subject 2, Subject 3 took more when walking uphill than when walking		
90	43	downhill.	42.3	92
94	48.2		50.7666667	92
		the experiment was pretty		
94	48.2	interesting	50.7666667	92

		Hypothesis seems to be		
90	44	true!	48.1666667	92
90	55		48.1666667	92.33333333
90	55		48.4666667	93
90	55	n/a	56	93
90	55		56	93
90	55		56	93
90	55		56	93
90	55		56	93
95	49		56	93
		subject took more for each trial		
95	49	uphill	59	93
90	55		52.6666667	93
92	47.8		52.6666667	93
		Trials were taken between classes, and on separate days where the weather varied each		
92	42.3	day.	56	93.33333333
92	46.8		62.2666667	93.33333333
		Pace changes frequently, larger when		
93	45.77	more tired	52.6666667	93.33333333
96	48.7		45.8333333	93.33333333
93	48		46.38	93.33333333
94	50.1		52.1733333	93.66666667
94	50.4		52.3333333	93.66666667
95	46		50.1	93.66666667

	It seems as if		
	the		
	participant		
	didn't keep a		
	consistent		
	pace		
	throughout		
	the		
	experiment...		
	very		
	interesting		
95	49.3 though	50.1666667	94
92	48	61	94.33333333
95	53	51.11	94.66666667
	stature and		
	sitting height		
95	48.6 in	76.6666667	95
94	53.4	56.6666667	95.33333333
98	50.1	45.83333333	95.33333333
98	50.1	56.8666667	95.33333333
95	46.9	55.7666667	95.33333333
95	46.9	55.7666667	95.66666667
96	47.2	49.23333333	95.66666667
95	46.9	49.23333333	95.66666667
96	49.9	51.0666667	95.66666667
96	49.9	49.23333333	96
	More uphill		
	and slower		
95	49.2 time uphill	53.83333333	96
96	49.9	53.83333333	96
96	49.9	59.4	96
	Fun		
	experiment		
	and very		
95	50.8 interesting!	53.83333333	96

There may
have been
error
becasue we
had to avoid
people
walking in
the opposite

95	48	direction.	53.8333333	96
95	48		54.7	96.33333333
94	46.8		54.1666667	96.33333333
98	49		54.2333333	96.33333333
98	49		51.0333333	96.6666667
98	49		58	96.6666667

It was raining
in the
morning at
the time of
the

97	42.513	experiment.	58	96.6666667
94	51		58	97.33333333

there may be
errors
because we
needed to
avoid people
while we
were walking

98	48	up and down	47.1306667	97.33333333
98	48		62.6666667	97.33333333
101	49		51.8333333	97.33333333
96	46		51.8333333	97.33333333

Rain made it
a bit hard to
walk up and
down
consistently

95	45.6	for 3 trials.	49.7	97.33333333
----	------	---------------	------	-------------

		Subject was wearing a 10		
96	42.319	lbs backpack	52.1666667	97.33333333
		She had her backpack on while walking up and down		
96	42.319	the hill.	58.7333333	98.33333333
96	42.319	n/a	47.2996667	98.33333333
99	48		47.2996667	98.33333333
98	49.7		47.2996667	98.33333333
97	46.8	n/a	48.6666667	98.33333333
		Took longer going uphill than		
93	44.5	downhill.	56.5666667	98.33333333
		Short 0 with short legs and walked faster		
93	44.5	downhill.	50.7333333	98.66666667
104	57		48.8666667	98.66666667
104	57		48.8666667	98.66666667
102	60.8		54.3333333	98.66666667
99	51		54.3333333	98.66666667
98	53.5		64.3333333	99
98	53.5		64.3333333	99
98	53.5		52.1333333	99
98	53.5		52.1333333	99
98	53.5		52.1333333	99
98	50	See report	52.1333333	99
100	55		52.1333333	99
104	60		58	100
103	44.2		64.3333333	100.3333333
101	58.1		53.8333333	100.6666667

		On my cases, it is true to change my stride length		
101	51	on uphill.	48.6333333	100.6666667
101	51		64.6666667	100.6666667
103	44.2		64	100.6666667
100	54		63.5	100.6666667
103	55		48.6333333	100.6666667
99	48.6		61	101
102	51.3		60	101.3333333
		Subject may have been slightly affected by other people walking in front of or		
102	51.3	behind her.	53.2333333	101.3333333
		It would have been more enjoyable if i wasn't		
101	50.5	raining.	58.78	101.3333333
		The subject increased her walking speed after the first		
101	50.5	uphill trial.	58.8066667	101.3333333
101	50.5		70.5666667	101.3333333
101	50.5		70.5666667	101.3333333
101	50.5		57.2333333	101.3333333
101	50.5		57.2333333	101.3333333
104	95		56.2333333	101.3333333
		Very interesting		
102	54.3	experiment!	57.2333333	101.3333333
102	48.5		92	101.3333333

102	49	55.6333333	101.6666667
	No great change in # of , just		
102	48.5 speed	55	101.6666667
102	49	55	101.6666667
	backpack remove for last two		
101	46.3 trials	55	101.6666667
103	56	55	101.6666667
	Going uphill takes longer		
103	53.3 time.	49.8666667	102.3333333
103	55	63.3333333	102.3333333
104	52.79	57.8666667	102.6666667
	It was faster going downhill than it was uphill, but except for one of the trials, my stride lengths were smaller going		
92	53.7 downhill.	60	103
108	48.5	53.6233333	103.6666667
	The subject took more and more time when		
103	53 going uphill.	63.2666667	104

It was raining
really hard
for the third
trial, so I may
have been
walking
faster so I
could finish
before I got
soaked

103	51.7	through.	59.1666667	104.3333333
102	57		62.3333333	105
106	52.4		54.6	105
107	55.1		61.3333333	105
105	55.2		53.7333333	105.3333333
104	49		54.9333333	105.3333333
104	49		104.7666667	106.3333333
104	49		56.9666667	106.3333333
107	54		56.9666667	106.3333333
107	54		56.9666667	106.3333333
106	50.9		61.3333333	106.3333333
106	50.9		62	107
106	50.9		55.1333333	107
106	50.9		55.1333333	107
107	55		55.1333333	107
107	55		55.1333333	107.3333333
106	56.998		59.6666667	107.3333333
106	56.998		59.6666667	107.6666667
106	42.8		60.516	107.6666667
108	53.4		60.52	107.6666667
110	41		49.0666667	109
110	41		57.4	109.3333333

I do a lot of
hiking and I
tend to take
large going

111	56	uphill	46	109.3333333
103	52.7		46	109.6666667

		People were walking on sidewalk so sometimes she had to		
112	57.7	stutter step	53.3333333	111
112	62		58.3333333	111.3333333
109	54.5		60.5666667	112.6666667
109	54.55		73.3333333	113.3333333
109	54.55		55.7333333	113.3333333
109	54.55		55.7666667	113.3333333
109	54.55		55.7666667	113.3333333
115	54		55.7666667	113.3333333
116	52.5		55.7666667	113.6666667
116	52.5		68.6666667	114.6666667
112	63.4		59.3666667	114.6666667
		I think the more times I went up hill the faster I		
118	52	walked. had to walk around	59.3666667	115.6666667
115	60	people	64.9333333	116.6666667
118	61.9		61.6666667	116.6666667
		The hypothesis has been confirmed with this experiment. It appears that people do take smaller as they go		
120	63	uphill.	62.4333333	118
120	63.1		54.1666667	118
120	63.1		54	118
120	63.1		54.3	118
120	63.1		54.3	118

118	56.9	54.3	118
120	60	54.3	119
119	58.3	60.3666667	119.3333333
120	66.9	55.3333333	119.6666667
121	72.37	58.8333333	119.6666667
122	64.9	68.4333333	120.6666667
116	63.12	76.5066667	121

This is
measuring
from the
bottom of
the of Denny
Hall, down to
the by the
quad right
before the
red brick

121	0.04305556	path	63.0833333	121.3333333
123	62.07		72.63	122.3333333
123	62.07		66.6666667	122.6666667
128	64		59.3833333	122.6666667
124	65		59.3833333	123.6666667

The subject
wore heels
while
performing
the

126	1:08.5	experiment.	74.3333333	124
127	59.9		72.6666667	125
127	59.9		70.4333333	125.3333333
127	59.9		64.2	125.3333333
127	59.9		64	125.3333333
122	66		64.2	125.3333333
127	60		64.2	125.3333333
120	118		75.3333333	127.3333333
133	61		67.6666667	131
144	72		118.6666667	134
136	60		71.6666667	134
136	60		78.3333333	135
134	54		72	135
133	52.5		72	135

	Subject got very tired after the ond		
133	52.5 trial.	63.6666667	135.6666667
137	73	66.9	135.6666667
137	73	66.9	136
137	73	74.3333333	136
137	73	74.3333333	136
138	78	74.3333333	136
138	78	74.3333333	137.6666667
138	77	79.6666667	137.6666667
138	118	79.6666667	138.3333333

	Downhill trials cost less time and less than		
139	70 uphill trials.	77	138.6666667
144	79	121.6666667	139.6666667
145	44	82.3333333	143.6666667
153	69.94	81.3333333	149

	Avg. for uphill=184,1 04. Avg. for downhill=15		
153	87 4,87	80.3333333	152.6666667
	Avg. for uphill=192,1 15. Avg. for downhill=16		
159	91 1,94	85.4433333	154
166	87	104.6666667	161.3333333
166	87	115	166.6666667

Our subject
 was known
 to be a "fast
 walker" so
 this may
 have
 affected our
 data. Also, I
 had to
 resubmit this
 form
 because
 initially, i put
 her stature in
 . I changed it

90	42.5	back to .	89.6666667	166.6666667
89	43.6		89.6666667	89.33333333
89	43.6		46.1333333	90.33333333
91	45.5		50.9666667	90.33333333
90	55		50.9666667	91
90	55		61.7	93
		Stature		
95	49	measured in	56	93
		Stature		
93	48	measured in	56	93
92	48		52.6666667	93.66666667
96	55.21		52.3333333	95.33333333
102	50.01		76.6666667	95.66666667
101	50.5		57.6966667	100.3333333
102	53.8		53.58	101.3333333
101	42		57.2333333	102.3333333

		In the first experiment the subject was carrying a backpack, then it was removed for the ond and third		
105	45.77	experiments.	54.4	102.6666667
103	53.11		45	103.3333333
109	47		49.8	104.6666667
107	55		54.3066667	106.6666667
109	54.5		49.6666667	107.3333333
		in the third experiment, the subject was slowed down and had to walk around a small group		
105	50.56	of people.	59.6666667	107.3333333
108	54.32		56.0666667	108.6666667
		Stature		
110	41	measured in	57.95	109
109	54.5		58.6133333	109.3333333
109	54.55	Raining day	46	113.3333333
112	54.96		55.7333333	113.3333333
121	61		55.7666667	114
127	59.9		62.0376667	122.6666667
		Number of represents the count of one , not a		
190	89	"pair" of .	68.3333333	125.3333333
91	48		64.2	192.6666667

		With Subject		
		2, the		
		subject took		
		more when		
		walking		
		uphill than		
		when		
		walking		
88	43.6	downhill.	104.9	89.33333333
		Took longer		
		going uphill		
		than		
93	37.3	downhill.	47.3333333	89.66666667
72	37.7		50.3666667	70.2
		Tall 1 with		
		long legs and		
		walked		
69	37.3	faster uphill.	41.5333333	71.33333333
76	40.2		40.5333333	74
88	46.7		41.5333333	74.33333333
11	56		44	75.43333333
75	42.03		47.8	77.66666667
		average		
		downhill: 78		
		in 42.3 ;		
		average		
		uphill: 82.3		
78	41	in 45.2	76.6666667	77.66666667
		Uphill		
		Average=82.		
		33 , 45.2		
		Downhill		
		Average: 78 ,		
78	41	42.3	52.47	78
78	41		45.1666667	78
		Average: 78 ,		
78	41	42.3	45.1666667	78

	Average downhill: 78 , 42.3 . Average Uphill: 82.33		
78	41 , 45.17	45.1666667	78
73	37.7	45.1666667	78
77	55	45.1666667	79
77	42.3	45.3	79.66666667
77	42.3	53	80
	Almost hit by		
82	42.6 bike.	45.7333333	80
82	46.2	45.7333333	81
	a lot of		
84	56 traffic	48.0333333	81
82	51.9 RAINING	48.0333333	82
	Subjects seem to try to go faster as the trials go on, and some get tired of		
84	49.77 walking.	50.3333333	83
82	43.29	53.4333333	83.33333333
85	47.6	56.58	83.66666667
85	47.6	52.3066667	84.66666667
85	42	47.4666667	84.66666667
83	45.9	47.4666667	85
83	45.9	57.1	85
84	48.5	59	85
85	53	59	85
64	44	50.9333333	85.33333333
	Subject was being very		
87	52 inconsistent	57	85.33333333
	started walking faster downhill		
85	50.2 when tired	61.3333333	85.66666667

82	44.6	53	85.66666667
89	42.74	50.56666667	85.66666667
88	46	52.23633333	86
86	47.5	46.38333333	86.33333333
86	47.5	45.66666667	87
86	47.5	48.4	87.33333333
85	50.8	48.4	87.33333333
88	47	48.4	87.33333333
88	48.4	54.53333333	87.66666667
87	46.5	47.73333333	88.33333333
86	50.2	47.93333333	88.33333333
90	54	49.86666667	88.33333333
89	47.2	47.36666667	88.66666667
85	50.1	54.96666667	88.66666667
89	46	51.3	89
91	47.1 none	50.16666667	89.33333333
90	45.8	52.13333333	90.66666667
90	45.78	58.06666667	91
	Subject was wearing a		
90	45.78 backpack.	52.03333333	91
	Subject was wearing a		
91	49 backpack.	52.04666667	91
91	45.18	52.04666667	91
90	42.68	49.23333333	91.33333333
93	50	49.30333333	91.33333333
	for the 3rd downhill trial he was		
93	49.8 rushed	50.74333333	92
95	55	63	92
95	55	53.16666667	92
94	50	61.66666667	92.33333333
92	90	61.66666667	92.33333333
93	50	55.8	92.33333333
	He was rushed when he did 3rd		
97	53.2 downhill trial	93.33333333	92.66666667

94	45.3	63	93
93	55	50.6666667	93
94	45	49.23333333	93.66666667
	It's been a		
95	49 Long Day.	61	94.33333333
97	57.3 none	55.6666667	96.33333333
	number of uphill and down hill is almost the		
98	49 same	50.6666667	96.33333333
99	50.5	67.33333333	96.66666667
	I was surprised that going uphill took		
99	53.2 less time.	56	97
99	53.2	46.9666667	99
99	53.2	57.3666667	99.33333333
98	55.24	57.3666667	99.33333333
	the number of and time was generally greater while the subject was walking		
96	87 uphill.	57.3666667	99.33333333
	I seemed to walk leaning farther forward while walking faster, but I tended to slow down going down		
103	51.2 the wet path.	57.87	99.33333333

	I actually did more than three times because I was hard to count the ,		
104	48 walking.	86.3333333	99.66666667
	The experiment was conducted on separate day at different times of the		
104	52.7 day.	47.2	102.3333333
105	51.4	57	103.6666667
105	69	57.0333333	104
107	57.1	50.6333333	105.3333333
106	56.2	70.3333333	107
	subject was wearing a		
108	55.9 backpack	55.5666667	107.3333333
108	55.9	62.7666667	107.3333333
	Later trials may have been more		
110	57 tired	59.3666667	108.6666667
	Will the environment and fitness level change the outcome of the		
117	58.7 experiment!	59.3666667	108.6666667

		Time to go downhill and uphill did not have any significant		
114	62	difference.	62.6666667	109.3333333
113	62		50.6666667	111
		The number of taken uphill and downhill are nearly the		
119	60	same	65.6666667	113
116	56		58.6333333	113
119	59		65.6666667	115.6666667
114	73		71	115.6666667
		Was being fairly consistent, however was not being very		
121	65.4	cooperative.	88.6666667	116
121	65.4		73.3333333	118
126	69		67.7	121.3333333
		Avg. for uphill=155, 87. Avg. for downhill=12		
138	65	2, 67	67.7	121.3333333
138	65	-	87	122.3333333
139	120	-	83.6666667	126.3333333
133	72		83.6666667	126.3333333
143	81		148	136.3333333
		He is in pretty good		
147	72	shape	79.6666667	137.6666667
143	81		87.3333333	141.3333333

	That was good		
142	72 exercise	86.6666667	143.3333333
145	80	88.6666667	143.6666667
	Avg. for uphill=176, 95. Avg. for downhill=14		
152	65 5,80.	86.6666667	144.3333333
152	65	94.6666667	145.3333333
	times were larger when traffic was		
152	65 heavy	71.3333333	152
	Times were longer when more pedestrians		
152	65 were around	71.3333333	152
	the more traffic on the pathway meant that the time and number of		
157	81 increased	71.3333333	152
	during third trial got caught behind		
152	65 traffic	71.3333333	152
90	51.3	75.6666667	152.3333333
83	48	71.3333333	155
87	49.91	49.3	89.3333333
89	48.46 None	56.3333333	82.6666667
93	49.8	59.1633333	86.3333333
93	49	51.9166667	88.6666667
93	42	46.5	92
101	53.1	52.6666667	92
102	50.85	47	92.6666667
104	52.7	51.7333333	101

Trial path:
Between the
shorter in
front of
Denny Hall,
down the
straight path
and stopped
on the top
step of the
first leading

108	55.9	into the quad	54.8366667	102
108	56		57.0333333	104
119	60		59.3666667	108.6666667
		Stature		
		measure in	58.8566667	109.3333333