

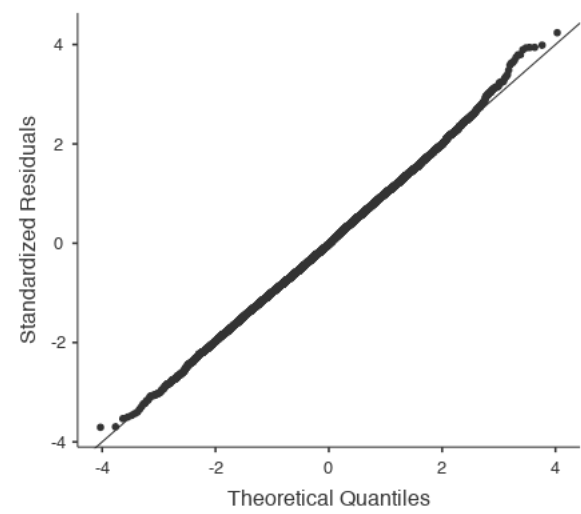
ANOVA

ANOVA							
	Sum of Squares	df	Mean Square	F	p	η^2	η^2p
Discipline	1023.92	1	1023.92	1225.71	< .001	0.06	0.06
Height	1824.66	4	456.17	546.06	< .001	0.10	0.11
Level	154.33	3	51.44	61.58	< .001	0.01	0.01
Discipline * Height	62.92	4	15.73	18.83	< .001	0.00	0.00
Discipline * Level	60.51	3	20.17	24.14	< .001	0.00	0.00
Height * Level	64.35	12	5.36	6.42	< .001	0.00	0.00
Discipline * Height * Level	29.71	12	2.48	2.96	< .001	0.00	0.00
Residuals	14954.81	17902	0.84				

Assumption Checks

Test for Homogeneity of Variances (Levene's)			
F	df1	df2	p
34.82	39	17902	< .001

Q-Q Plot

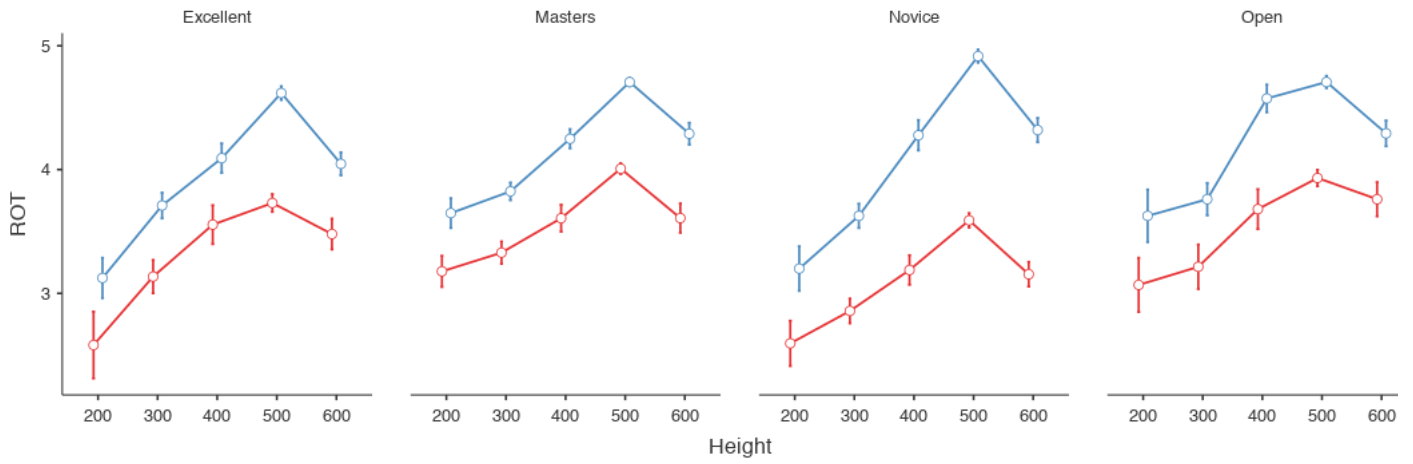


Post Hoc Tests

Post Hoc Comparisons - Height							
Comparison		Mean Difference	SE	df	t	p	bonferroni
Height	Height						
200	- 300	-0.30	0.04	17902.00	-7.54	< .001	
	- 400	-0.78	0.04	17902.00	-18.89	< .001	
	- 500	-1.15	0.04	17902.00	-32.17	< .001	
	- 600	-0.74	0.04	17902.00	-18.73	< .001	
300	- 400	-0.47	0.03	17902.00	-15.17	< .001	
	- 500	-0.84	0.02	17902.00	-35.88	< .001	
	- 600	-0.44	0.03	17902.00	-15.03	< .001	
400	- 500	-0.37	0.02	17902.00	-15.13	< .001	
	- 600	0.03	0.03	17902.00	1.15	1.000	
500	- 600	0.41	0.02	17902.00	18.42	< .001	

Estimated Marginal Means

Height * Discipline * Level



Descriptives

Descriptives

	Height	Discipline	Level	ROT
N	200	Agility	Excellent	44
			Masters	201
			Novice	96
			Open	67
		Jumping	Excellent	121
			Masters	222
			Novice	99
			Open	71
	300	Agility	Excellent	177
			Masters	393
			Novice	320
			Open	99
		Jumping	Excellent	296
			Masters	628
			Novice	331
			Open	187
	400	Agility	Excellent	130
			Masters	269
			Novice	224
			Open	123
		Jumping	Excellent	225
			Masters	525
			Novice	213
			Open	254
	500	Agility	Excellent	617
			Masters	1668
			Novice	944
			Open	733
		Jumping	Excellent	1040
			Masters	2863
			Novice	1138
			Open	1296
	600	Agility	Excellent	207
			Masters	228
			Novice	325
			Open	167
		Jumping	Excellent	370
			Masters	405
			Novice	331
			Open	295
Mean	200	Agility	Excellent	2.58
			Masters	3.18
			Novice	2.60
			Open	3.07
		Jumping	Excellent	3.12
			Masters	3.65
			Novice	3.20
			Open	3.63
	300	Agility	Excellent	3.14
			Masters	3.33
			Novice	2.86
			Open	3.21
		Jumping	Excellent	3.71
			Masters	3.82
			Novice	3.63
			Open	3.76
	400	Agility	Excellent	3.55
			Masters	3.61
			Novice	3.19
			Open	3.68
		Jumping	Excellent	4.09
			Masters	4.25
			Novice	4.28
			Open	4.57
	500	Agility	Excellent	3.73
			Masters	4.01
			Novice	3.59
			Open	3.93
		Jumping	Excellent	4.62
			Masters	4.71
			Novice	4.92
			Open	4.71
	600	Agility	Excellent	3.48
			Masters	3.61
			Novice	3.15
			Open	3.76
		Jumping	Excellent	4.05
			Masters	4.29
			Novice	4.32

Descriptives

	Height	Discipline	Level	ROT
Median	200	Agility	Open	4.29
			Excellent	2.47
			Masters	3.12
			Novice	2.61
		Jumping	Open	3.14
			Excellent	3.05
			Masters	3.63
			Novice	3.04
		300	Open	3.75
			Excellent	3.12
			Masters	3.31
			Novice	2.85
	400	Agility	Open	3.24
			Excellent	3.67
			Masters	3.83
			Novice	3.57
		Jumping	Open	3.66
			Excellent	3.49
			Masters	3.64
			Novice	3.20
		500	Open	3.64
			Excellent	3.95
			Masters	4.29
			Novice	4.26
Minimum	200	Agility	Open	4.61
			Excellent	3.69
			Masters	4.01
			Novice	3.49
		Jumping	Open	3.94
			Excellent	4.60
			Masters	4.74
			Novice	4.89
	300	Agility	Open	4.75
			Excellent	3.38
			Masters	3.58
			Novice	3.05
		Jumping	Open	3.79
			Excellent	4.07
			Masters	4.34
			Novice	4.14
	400	Agility	Open	4.20
			Excellent	1.68
			Masters	1.16
			Novice	0.92
		Jumping	Open	1.50
			Excellent	1.27
			Masters	1.89
			Novice	1.19
	500	Agility	Open	1.72
			Excellent	1.47
			Masters	1.90
			Novice	1.22
		Jumping	Open	1.80
			Excellent	0.82
			Masters	1.45
			Novice	1.35
	600	Agility	Open	1.13
			Excellent	1.56
			Masters	1.38
			Novice	0.97
		Jumping	Open	1.56
			Excellent	2.30
			Masters	1.75
			Novice	1.48
		Agility	Open	1.68
			Excellent	1.55
			Masters	1.20
			Novice	1.36
		Jumping	Open	1.56
			Excellent	2.00
			Masters	2.12
			Novice	1.53
		Agility	Open	1.60
			Excellent	1.78
			Masters	1.60
			Novice	1.16
		Jumping	Open	1.58
			Excellent	1.62
			Masters	1.51

Descriptives

	Height	Discipline	Level	ROT
Maximum	200	Agility	Novice	1.52
			Open	1.07
			Excellent	4.20
			Masters	4.55
		Jumping	Novice	4.39
			Open	4.36
			Excellent	6.67
			Masters	6.52
		300	Novice	5.54
			Open	5.69
			Excellent	4.89
			Masters	6.64
	400	Agility	Novice	5.67
			Open	4.69
			Excellent	5.95
			Masters	5.89
		Jumping	Novice	6.09
			Open	7.22
			Excellent	5.59
			Masters	5.31
		500	Novice	5.52
			Open	6.24
			Excellent	6.19
			Masters	7.27
25th percentile	200	Agility	Novice	6.83
			Open	7.62
			Excellent	5.89
			Masters	7.88
		Jumping	Novice	7.19
			Open	6.21
			Excellent	7.39
			Masters	7.06
	300	Agility	Novice	7.89
			Open	7.68
			Excellent	5.98
			Masters	6.10
		Jumping	Novice	6.10
			Open	6.08
			Excellent	6.66
			Masters	7.17
	400	Agility	Novice	7.78
			Open	7.47
			Excellent	2.11
			Masters	2.71
		Jumping	Novice	2.12
			Open	2.52
			Excellent	2.51
			Masters	3.13
	500	Agility	Novice	2.51
			Open	2.79
			Excellent	2.66
			Masters	2.90
		Jumping	Novice	2.41
			Open	2.85
			Excellent	3.17
			Masters	3.37
	600	Agility	Novice	2.93
			Open	3.08
			Excellent	2.92
			Masters	3.23
		Jumping	Novice	2.62
			Open	2.97
			Excellent	3.48
			Masters	3.70
	200	Agility	Novice	3.46
			Open	3.73
			Excellent	3.09
			Masters	3.49
		Jumping	Novice	2.94
			Open	3.34
			Excellent	3.82
			Masters	4.12
	300	Agility	Novice	4.01
			Open	4.01
			Excellent	2.84
			Masters	2.99
		Jumping	Novice	2.50
			Open	3.02
			Excellent	3.22

Descriptives

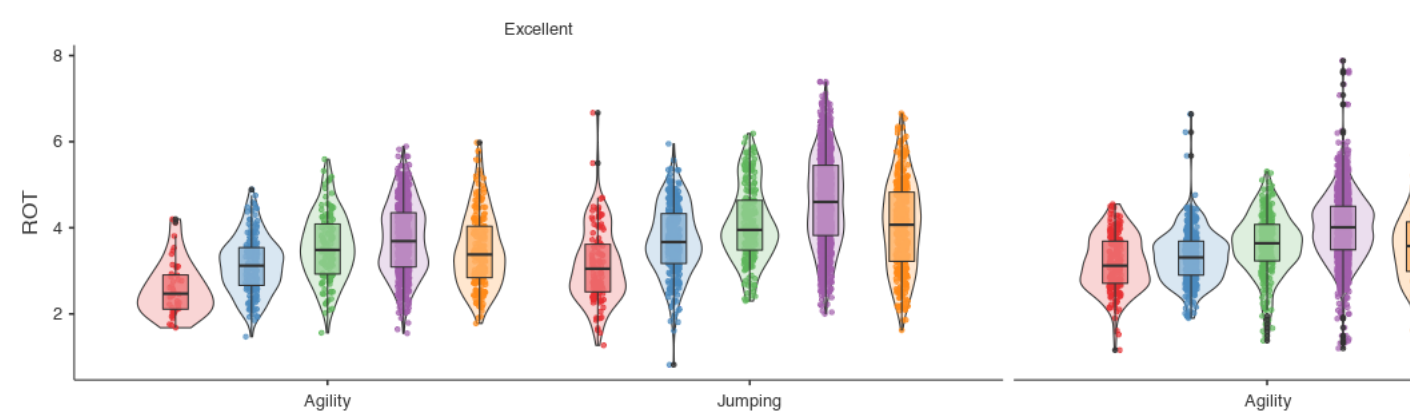
	Height	Discipline	Level	ROT
50th percentile	200		Masters	3.52
			Novice	3.27
			Open	3.30
		Agility	Excellent	2.47
			Masters	3.12
			Novice	2.61
		Jumping	Open	3.14
			Excellent	3.05
			Masters	3.63
	300		Novice	3.04
			Open	3.75
			Excellent	3.12
		Agility	Masters	3.31
			Novice	2.85
			Open	3.24
		Jumping	Excellent	3.67
			Masters	3.83
			Novice	3.57
	400		Open	3.66
			Excellent	3.49
			Masters	3.64
		Agility	Novice	3.20
			Open	3.64
			Excellent	3.95
		Jumping	Masters	4.29
			Novice	4.26
			Open	4.61
	500	Agility	Excellent	3.69
			Masters	4.01
			Novice	3.49
		Jumping	Open	3.94
			Excellent	4.60
			Masters	4.74
			Novice	4.89
			Open	4.75
			Excellent	3.38
75th percentile	200	Agility	Masters	3.58
			Novice	3.05
			Open	3.79
		Jumping	Excellent	4.07
			Masters	4.34
			Novice	4.14
			Open	4.20
			Excellent	2.91
			Masters	3.69
	300	Agility	Novice	3.04
			Open	3.56
			Excellent	3.62
		Jumping	Masters	4.13
			Novice	3.89
			Open	4.39
			Excellent	3.54
			Masters	3.69
			Novice	3.20
	400	Agility	Open	3.54
			Excellent	4.33
			Masters	4.37
		Jumping	Novice	4.36
			Open	4.21
			Excellent	4.09
			Masters	4.08
			Novice	3.70
			Open	4.41
	500	Agility	Excellent	4.64
			Masters	4.80
			Novice	5.03
		Jumping	Open	5.38
			Excellent	4.35
			Masters	4.50
			Novice	4.20
			Open	4.51
			Excellent	5.45
	600	Agility	Masters	5.32
			Novice	5.87
			Open	5.42
			Excellent	4.04
			Masters	4.14
			Novice	3.71
			Open	4.50

Descriptives

Height	Discipline	Level	ROT
	Jumping	Excellent	4.83
		Masters	5.02
		Novice	5.36
		Open	5.20

Plots

ROT



Robust ANOVA

	Q	p
Discipline	NaN	< .001
Height	NaN	< .001
Discipline * Height	NaN	< .001

Note. Bootstrap method, modified one-step estimator, 599 samples, projection distances
Note. Test statistics are not available for 2-way bootstrapped designs

Post Hoc Tests

		95% Confidence interval			
		psi-hat	p	Lower	Upper
Agility	Jumping	-3.60	< .001	-3.76	-3.47

				95% Confidence interval	
				psi-hat	p
				Lower	Upper
200	300	-0.48	< .001	-0.65	-0.34
200	400	-1.37	< .001	-1.56	-1.22
200	500	-2.19	< .001	-2.34	-2.06
200	600	-1.22	< .001	-1.42	-1.07
300	400	-0.89	< .001	-1.03	-0.76
300	500	-1.71	< .001	-1.80	-1.62
300	600	-0.73	< .001	-0.88	-0.58
400	500	-0.82	< .001	-0.95	-0.71
400	600	0.15	0.013	-0.02	0.30
500	600	0.97	< .001	0.83	1.09