

Table 1: Fall and False Start Rates in Final Rounds for Men and Women

Category	Events	Falls	False Starts	Fall Rate	False Start Rate
Womens	69	105	24	1.52	0.35
Mens	69	141	57	2.04	0.83

Table 2: ANOVA table output of our model comparisons

Models	BIC	Statistic	p-value
\mathcal{M}_0	-3502.916	NA	NA
\mathcal{M}_1	-5871.640	2409.6545	0.0000
\mathcal{M}_2	-6053.375	189.9215	0.0000
\mathcal{M}_3	-6126.498	97.6818	0.0000
\mathcal{M}_4	-6122.896	4.5838	0.0323

Table 3: Summary of our chosen mixed effect model's (\mathcal{M}_3) estimated fixed and random effects

Term	Estimate	95% CI
Fixed Effects		
γ_{00}	2.0087	(1.9367, 2.0806)
γ_{01}	-0.1568	(-0.1898, -0.1238)
γ_{02}	0.2830	(0.2553, 0.3107)
γ_{03}	-0.0931	(-0.1128, -0.0733)
γ_{04}	0.0057	(0.0028, 0.0085)
Random Effects		
σ^2	0.0055	
η_{00}	0.0736	
τ_{00}	0.0092	
η_{11}	0.0286	
τ_{11}	0.0048	
η_{01}	-0.9808	
τ_{01}	-0.9895	