Kicker Exogenous Analysis

[1] "\nProcessing Off Grades"

[1] "\nProcessing Def Grades"

Analysis Results

Offensive Grades

Table 1: Results for Off Grades

Variable	Own 1-10	Own 11-20	Own 21-30	Own 31-40	Own 41-50	Opp. 49-40	Opp. 39-30	Opp. 29-20	Opp. 19-10	Opp. 9-1
LPM Model										
Punter Grades (12w)	-3.019***	-0.574	-1.710*	-4.245***	-1.126	-1.913*	-0.091	-0.206	0.101	0.366
Kicker FG Grades (12w)	1.663*	-0.771	0.653	3.210***	1.845*	2.795***	1.638.	0.420	0.647	0.488
Probit Model										
Punter Grades (12w)	-1.898*	-0.569	-1.679*	-4.138***	-1.291	-1.775*	-0.155	-0.110	0.222	0.304
Kicker FG Grades (12w)	2.027**	-0.828	0.705	3.119***	1.858*	2.667***	1.569.	0.280	0.477	0.349
Logit Model										
Punter Grades (12w)	-1.805*	-0.710	-1.763*	-4.087***	-1.142	-1.726*	-0.130	-0.192	0.164	0.270
Kicker FG Grades (12w)	1.948*	-0.701	0.709	3.146***	1.852*	2.629***	1.635.	0.388	0.530	0.385
Controls										
Game Situation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Environmental	No	No	No	No	No	No	No	No	No	No
Coach Variables	No	No	No	No	No	No	No	No	No	No
Team Stats	No	No	No	No	No	No	No	No	No	No
Player Variables	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Player Presence	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Season/Team FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Coach FE	No	No	No	No	No	No	No	No	No	No
Sample Size	988	3,023	6,865	6,924	5,805	4,945	4,271	3,897	3,478	3,080

Note: Values shown are t-statistics from respective model regressions with conversion as the dependent variable. Significance codes: *** p<0.01, ** p<0.05, * p<0.1, . p<0.15

Defensive Grades

Table 2: Results for Def Grades

Variable	Own 1-10	Own 11-20	Own 21-30	Own 31-40	Own 41-50	Opp. 49-40	Opp. 39-30	Opp. 29-20	Opp. 19-10	Opp. 9-1
LPM Model										
Punter Grades (12w)	-2.660***	-0.207	-1.763*	-4.263***	-1.146	-1.764*	0.002	-0.093	0.237	0.577
Kicker FG Grades (12w)	1.555.	-0.964	0.654	3.204***	1.913*	2.705***	1.615.	-0.119	0.676	0.510
Probit Model										
Punter Grades (12w)	-1.853*	-0.716	-1.728*	-4.146***	-1.296	-1.637.	-0.118	-0.073	0.433	0.901
Kicker FG Grades (12w)	2.044**	-1.110	0.661	3.147***	1.966**	2.613***	1.546.	-0.222	0.506	0.252
Logit Model										
Punter Grades (12w)	-1.824*	-0.755	-1.821*	-4.096***	-1.149	-1.562.	-0.063	-0.132	0.346	0.865
Kicker FG Grades (12w)	1.921*	-1.035	0.655	3.199***	1.963**	2.553**	1.639.	-0.134	0.526	0.276
Controls										
Game Situation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Environmental	No	No	No	No	No	No	No	No	No	No
Coach Variables	No	No	No	No	No	No	No	No	No	No
Team Stats	No	No	No	No	No	No	No	No	No	No
Player Variables	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Player Presence	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Season/Team FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Coach FE	No	No	No	No	No	No	No	No	No	No
Sample Size	988	3,023	6,865	6,924	5,805	4,945	4,271	3,897	3,478	3,080

Note: Values shown are t-statistics from respective model regressions with conversion as the dependent variable   Significance codes: *** $p<0.01$, ** $p<0.05$, * $p<0.1$, . $p<0.15$