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)	-1.576.	-1.056	-1.679*	-4.138***	-1.291	-1.775*	-0.155	-0.110	0.222	0.147
Kicker FG Grades (12w)	1.859*	-0.912	0.705	3.119***	1.858*	2.667***	1.569.	0.280	0.477	0.373
Logit Model										
Punter Grades (12w)	-1.488.	-1.097	-1.763*	-4.087***	-1.142	-1.726*	-0.130	-0.192	0.164	0.136
Kicker FG Grades (12w)	1.781*	-0.821	0.709	3.146***	1.852*	2.629***	1.635.	0.388	0.530	0.417
Controls										
Game Situation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Environmental	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Coach Variables	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Team Stats	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
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)	-1.723*	-0.171	-1.728*	-4.146***	-1.296	-1.637.	-0.118	-0.073	0.433	0.484
Kicker FG Grades (12w)	2.794***	-1.024	0.661	3.147***	1.966**	2.613***	1.546.	-0.222	0.506	0.691
Logit Model										
Punter Grades (12w)	-1.667*	-0.285	-1.821*	-4.096***	-1.149	-1.562.	-0.063	-0.132	0.346	0.429
Kicker FG Grades (12w)	2.601***	-0.941	0.655	3.199***	1.963**	2.553**	1.639.	-0.134	0.526	0.731
Controls										
Game Situation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Environmental	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Coach Variables	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Team Stats	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
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: *** $p<0.01$, ** $p<0.05$, * $p<0.1$, . $p<0.15$