

# 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
<b>LPM Model</b>										
Punter Grades (12w)	-3.060***	-0.489	-1.769*	-4.026***	-1.206	-1.996**	-0.087	-0.039	0.030	0.448
Kicker FG Grades (12w)	1.944*	-0.997	0.458	3.094***	2.092**	2.933***	1.708*	0.489	0.574	0.251
<b>Probit Model</b>										
Punter Grades (12w)	-2.071**	-0.237	-1.715*	-3.919***	-1.368	-1.862*	-0.145	0.064	0.191	0.408
Kicker FG Grades (12w)	2.576**	-1.425	0.469	3.027***	2.116**	2.784***	1.716*	0.323	0.454	0.319
<b>Logit Model</b>										
Punter Grades (12w)	-2.029**	-0.330	-1.793*	-3.874***	-1.224	-1.836*	-0.124	0.003	0.112	0.418
Kicker FG Grades (12w)	2.436**	-1.311	0.457	3.058***	2.120**	2.749***	1.726*	0.404	0.530	0.363
<b>Controls</b>										
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	No	No	No	No	No	No	No	No	No	No
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
<b>LPM Model</b>										
Punter Grades (12w)	-1.787*	-0.096	-1.972**	-3.942***	-1.250	-1.865*	0.135	0.091	0.367	0.580
Kicker FG Grades (12w)	1.515.	-0.984	0.731	3.272***	1.775*	2.794***	1.771*	0.303	0.413	0.332
<b>Probit Model</b>										
Punter Grades (12w)	-1.903*	-0.198	-1.908*	-3.847***	-1.385	-1.762*	0.010	0.082	0.526	0.605
Kicker FG Grades (12w)	1.983**	-0.817	0.719	3.223***	1.828*	2.800***	1.648.	0.202	0.350	0.249
<b>Logit Model</b>										
Punter Grades (12w)	-1.904*	-0.338	-2.019**	-3.817***	-1.266	-1.702*	0.027	0.044	0.412	0.576
Kicker FG Grades (12w)	1.910*	-0.749	0.705	3.278***	1.843*	2.749***	1.676*	0.303	0.385	0.300
<b>Controls</b>										
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	No	No	No	No	No	No	No	No	No	No
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