Column name:	Importance	Rank
Gls	-40.7773879	1
SoT	-31.79183123	2
Gls+Ast	-31.21757679	3
Sh	-28.67375484	4
WB	-28.42280091	5
MP	-20.89362495	6
DF	-18.80502446	7
Starts	-17.65862349	8
Passes Completed	-14.85193236	9
Clr	-14.80880866	10
	Neural Network	

Column Name	Importance	Rank
Cmp%	37.96399513	1
Intercept	35.47389034	2
#Pl	33.81925952	3
Age	-30.45801772	4
Succ_y	-41.15633865	5
Sh/90	21.70770318	6
%	-19.90077469	7
SoT/90	-15.77408526	8
Att	12.93162355	9
MP	-11.49799996	10
	OLS Regression	

Column Name	Coefficients	Rank
Gls+Ast	0.484161	1
Gls	0.452136	2
SoT	0.429574	3
Gls90	0.395806	4
Ast	0.389956	5
Sh	0.377647	6
G+A	0.362358	7
Att	0.351241	8
SoT/90	0.338325	9
#Pl	0.337696	10
	pearson_corr_matrix	

Column Name	Coefficients	Rank
Gls+Ast	0.326223	1
Ast	0.290422	2
Gls	0.287626	3
Touches	0.262542	4
SoT	0.261638	5
G+A	0.255329	6
Sh	0.246811	7
#Pl	0.24386	8
Succ_y	0.24384	9
Passes Attempted	0.239487	10
	spearman_corr_matrix	

Feature	Mutual Information Score	Rank
TakleD	0.162523	1
Leauge	0.143262	2
Gls+Ast	0.118605	3
SoT	0.102554	4
Succ_y	0.093521	5
%	0.092719	6
Cmp%	0.087667	7
Succ%	0.077079	8
CrdY	0.072355	9
G/SoT	0.07171	10
	Mutual Information Score	

Feature	Coefficients	Rank
Gls+Ast	0.48	1
Gls	0.45	2
SoT	0.43	3
Gls90	0.4	4
Ast	0.39	5
Sh	0.38	6
G+A	0.36	7
Att	0.35	8
#Pl	0.34	9
SoT/90	0.34	10
	Pandas Correlation	

Model Name	Mean Squared Error:	R-Squared:
OLS regression	495.6148063	0.3075155737
Neural Network	598.5384184	0.1637083316