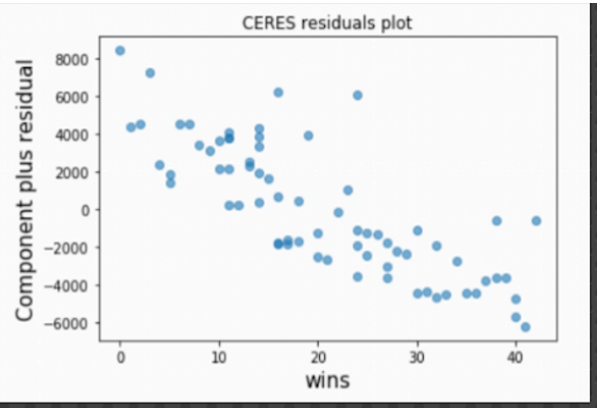


What Factors Influence Attendance at Syracuse Mets' Games?

OLS Regression Results

Dep. Variable:	att	R-squared (uncentered):	0.878
Model:	OLS	Adj. R-squared (uncentered):	0.864
Method:	Least Squares	F-statistic:	64.74
Date:	Thu, 12 Dec 2019	Prob (F-statistic):	2.35e-26
Time:	19:12:53	Log-Likelihood:	-626.59
No. Observations:	70	AIC:	1267.
Df Residuals:	63	BIC:	1283.
Df Model:	7		
Covariance Type:	nonrobust		

	coef	std err	t	P>|t|	[0.025	0.975]
weekday	114.7365	58.450	1.963	0.054	-2.067	231.540
teamscore	50.4124	81.133	0.621	0.537	-111.720	212.545
oppscore	-18.1550	72.787	-0.249	0.804	-163.607	127.297
weekday	114.7365	58.450	1.963	0.054	-2.067	231.540
month	1471.6754	464.536	3.168	0.002	543.374	2399.977
wins	-54.9821	95.362	-0.577	0.566	-245.547	135.583
losses	-103.8967	147.648	-0.704	0.484	-398.948	191.154
winpct	-4060.1191	2360.565	-1.720	0.090	-8777.332	657.094

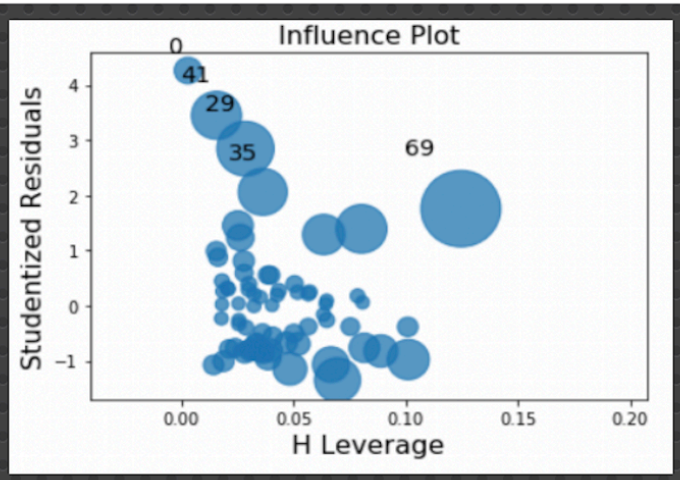
Omnibus:	13.479	Durbin-Watson:	1.801
Prob(Omnibus):	0.001	Jarque-Bera (JB):	14.534
Skew:	0.985	Prob(JB):	0.000698
Kurtosis:	4.048	Cond. No.	2.89e+16

Warnings:
[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.
[2] The smallest eigenvalue is 7.93e-29. This might indicate that there are strong multicollinearity problems or that the design matrix is singular.

Reasoning for our project

Minor League General Managers are always looking for new ways to increase attendance at their games. The purpose of this project is to give them insight as to what drives attendance, using our local team the Syracuse Mets

The size of the circle in this graph depicts which games of the Mets 2019 season have the most influence on attendance. By analyzing the labeled games, we can see which specific factors increase or decrease attendance



Research and Methodology

We collected all home game data for the Mets 2019 season. Using this data, we allow the user to choose their independent variables and run a regression against attendance. The regression displays which variables affect attendance and to what degree. Our visualizations provide a better idea of the regression's accuracy.

A regression is a linear relationship between one variable and all corresponding variables