

Stat 139, Fall 2019

Final Project

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Github Repo: <https://github.com/sethbilliau/stat139finalproject>

The following variables are in the our "complete_data_clean.csv" and "incomplete_data_raw.csv" files. Each row in the dataframe contains season-level statistics for a specific NCAA Division I team:

School:	NCAA Division I School for a given row
year:	The year that in which the season for a given row began (the 2003-04 season corresponds to year 2003)
G	Games played by the team in a given year
TeamW	Games won by the team in a given year
TeamL	Games lost by the team in a given year
SRS	Simple Rating System - A rating that takes into account average point differential and strength of schedule. The rating is denominated in points above/below average, where zero is average. Non-Division I games are excluded from the ratings.
SOS	Strength of Schedule - A rating of strength of schedule. The rating is denominated in points above/below average, where zero is average. Non-Division I games are excluded from the ratings.
Tm.	Total points scored by the team in a given season
Opp.	Total points conceded by the team in a given season or total points scored by opponents of the team in a given season
FTr.	Free Throw Attempt Rate - Number of Free Throw Attempts Per Field Goal Attempt
X3PAr	3-Point Attempt Rate: Percentage of field goal Attempts from 3-Point Range
TS.	True Shooting Percentage - A measure of shooting efficiency that takes into account 2-point field goals, 3-point field goals, and free throws.
TRB.	Total Rebound Percentage - An estimate of the percentage of available rebounds a player grabbed while he was on the floor.
AST.	Assist Percentage - An estimate of the percentage of teammate field goals a player assisted while he was on the floor.

BLK.	Block Percentage - An estimate of the percentage of opponent two-point field goal attempts blocked by the player while he was on the floor.
eFG.	Effective Field Goal Percentage - this statistic adjusts for the fact that a 3-point field goal is worth one more point than a 2-point field goal.
TOV.	Turnover Percentage - an estimate of turnovers per 100 plays.
FT.FGA	Free Throws Per Field Goal Attempt
FG	Field Goals Made in a given year
FGA	Field Goals Attempted in a given year
FG.	Field Goals Percentage in a given year
X3P	3-Point Field Goals Made in a given year
X3PA	3-Point Field Goals Attempted in a given year
X3P.	3-Point Field Goals Percentage in a given year
FT	Free Throws Made in a given year
FTA	Free Throws Attempted in a given year
FT.	Free Throw Percentage in a given year
ORB	Offensive Rebounds in a given year
TRB	Total Rebounds in a given year
AST	Assists in a given year
STL	Steals in a given year
BLK	Blocks in a given year
TOV	Turnovers in a given year
PF	Personal Fouls in a given year