Pre-Simulation

Import Python Modules

Pandas

NumpY

Time

- Import "pandas", "numpy" and "time" on package

Import Data Files

Lineups

Player Pool

- Import "daily fantasy sports lineups" and "tables containing the list of players, and salaries"

Setup Simulation

NAME	PROJ	STD	ODDS	ETC..

- Create an array to store projections and event statistics

- Define a random normal distribution based of a given mean and standard deviation. The function sets all negative values to 0. In real life there is no such thing as negative fantasy points
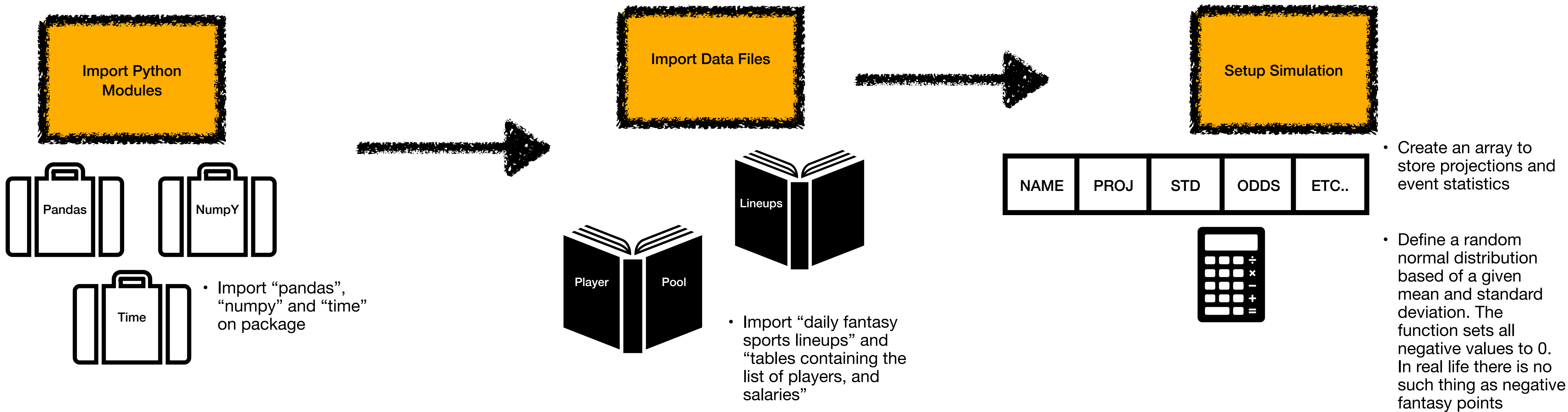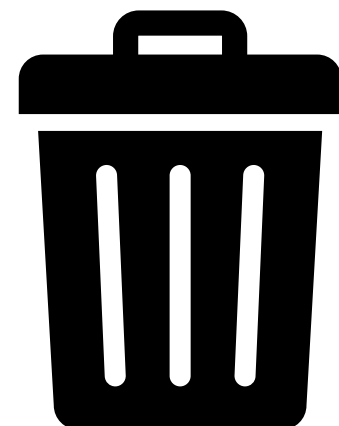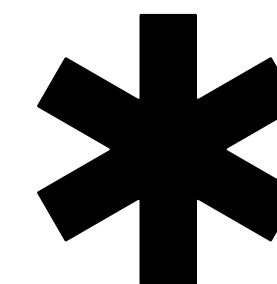
Remove uncleaned Data

- Remove lineups with missing players, projections or salary

- Determine number of runs for the simulation and count the number of valid lineups

Run Simulation

- Create an empty data-frame to store simulation results such as lineup rankings and simulation points

- Copy features from imported data into a new data frame

- Create a dataframe of projected points based off their ceiling, floor and average.

- Players name and new projections are bundled into a dictionary

- Then each player's new projection is mapped by position and saved in the empty dataframe

- Repeat the steps until you have completed at least 1,000 simulations

- The lineups total projections were then calculated. Lineups scores where then compared against each other and each lineup was ranked

Process Results

Format Results

Save Results