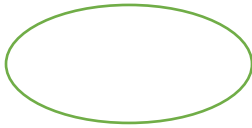


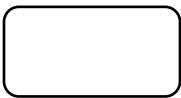
# MACHINE TEAM- DESIGN DIAGRAMS



Inputs



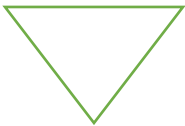
Outputs



Process



Data Flow



Data Modification



Database



Web Component

D0:

The basic overview of the system includes input using an undefined data source of sports statistics, training a ML model, and outputting the results to our web UI.

D1:

D0 is expanded upon by defining multiple statistics sources as well as introducing a data preprocessing phase. To expand on the ML model, the test dataset is introduced which we will use to prove the validity of the model. We also introduce some of the possible web components we can create to allow users to view results easily.

D2:

We again expand on D1 by specifically defining where the statistics could possibly come from, including known APIs as well as web scraping. The data preprocessing step is split to a data cleaning and then a data splitting phase, which will be used to generate the test dataset. The test dataset will be used to make sure the model is providing results up to our standard. After the data is serialized for storage and is sent to the database as well as our web components, which we currently assume we will use React.