DSI Capstone Project

Descriptive

See what the split is between 4th down fail and 4th down succeed based on categories:

Division, Conference, Dome, Weather, Team success, Home vs Away, Pass vs Run, Pass location, rush location

When do they go for it

Modeling

Go through every datapoint to decide if it’s a factor or not

Data points to explore:

Weather, field position, score differential, defense strength

Transform those that are non- numerical if possible

Run correlation

Feature engineering

Pick models

Create a classification model to find features that influence the decision

Additional Data gathering

Geocoder API/darksky API for weather data [later]