# Fantasy Football Data Access

Goals:

To be able to properly analyse projected points, we want to pull fantasy football data from multiple sources if possible and upload it to our own db. This data should include projected points by individual projector.

Potential Sources:

**Name**:NFL Fantasy API

**Format**: N/A

**Documentation**: N/A

The API mentioned by our sponsor and offered by the NFL. It no longer appears to be supported.

**Name**:NFL API

**Format**: API/json

**Documentation**: https://api.nfl.com/docs/getting-started/

A cursory look through the documentation seems to show that this API doesn’t seem to offer fantasy projection information.

**Name**:Fantasy Football Data Pros  
**Format**: API/json

**Documentation**: <https://www.fantasyfootballdatapros.com/our_api>

early stage api that offers projection data (.api/projections) end point. This endpoint only offers projections for the 2020 season, and admits to not having data for some players. The data does include position and team.

**Name**:fantasy-football-projects  
**Format**: Web Scraper/csv

**Documentation**: <https://github.com/datascopeanalytics/fantasy-football-projections>

The team at Data Scope Analytics did the work to write web scrapers for espn ([scrape-espn.py](https://github.com/datascopeanalytics/fantasy-football-projections/blob/master/scrape-espn.py)) and fantasy pros ([scrape-fantasy-pros.py](https://github.com/datascopeanalytics/fantasy-football-projections/blob/master/scrape-fantasy-pros.py)) to pull player information. These scrapers intend to pull weekly data so may not be usable for initial projection work, but the idea of a web scraper may be something we can build ourselves.

**Name**: ESPN

**Format**: API/json

**Documentation**: N/A

ESPN appears to have an undocumented API as mentioned in [this post](https://stmorse.github.io/journal/espn-fantasy-v3.html). Nothing i’ve seen references overall projections, but with some exploration we may be able to acquire the necessary information.

**Name**: Some random guys data

**Format**: Pre-scraped csvs

**Documentation**: N/A

Someone has already run a scraping of espn’s 2020 projections for their own personal project that they hosted on kaggle. He mentions that they were scraped on July 17th and so may not be the most accurate. <https://www.kaggle.com/mur418/espn-2019-stats-and-2020-nfl-fantasy-projections?select=defense_stats_and_projections.csv>

Results:

Not a whole lot of useful resources. Potentially we can write or use some web scrapers, but that will add time and difficulty to the project.