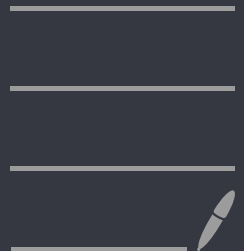# PP3 - Python

Option 1: Data aggregator

- Import sports data. What kind of Sports data?
- Is there a free API?
- Aggregate: Sum, Max, Min, Mean & Avg
- How does that look?
  ↳ Main Menu
  ↳ Choice of 5 recent data Sets?
  ↳ Option to Import More?
  ↳ Page to Explain Each Data Set?
  ↳ Numbered Menu

Option 2: Sports feed   Winner

- Pick a sport: football (soccer)
- GET data from feed and display It.
- football seems to be The best option as there is multiple APIs of varying rate limits / Requests per Min.
- What can it do?
  ↳ Choose leagues?
  ↳ Choose year?
  ↳ See upcoming fixtures
  ↳ See previous results?
  ↳ See league table?

What the API Can do will determine what the CLI app can do.

PP3 - Python - API'S

- Available free data Sets:
  https://github.com/public-apis/public-apis
- Sports & Fitness API'S
  https://github.com/public-apis/public-apis?tab=readme-ov-file#sports--fitness
- Terminal Text formatter
  https://github.com/Textualize/rich

- API Considerations
  ↳ Sportsmonks Football
  ↳ API - Football
  ↳ Football - data

Football - data https://www.football-data.org ✅
  ↳ Good documentation
  ↳ All Endpoints & Data
  ↳ 10 Requests per minute on free plan

Sportsmonks Football - https://docs.sportmonks.com/football
- Has all necessary Endpoints & data.
- Rate limit: 180 Api Calls per Entity per hour
- limited access to data on free plan.
- Yearly charge of €34 per month.

API - Football https://www.api-football.com/documentation-v3
- Good documentation
- Reasonable pricing for pro plan $19
- 7500 Requests per day

PP3 - Python — Proposed Plan

API : Football - data

Notes

- To overcome the 10 request/min we can store the data in a Json file? Performance?
- Clean and store data for future use.
- Postman library available from site.
  - ↳ Digest Endpoints to make CLI APP
  - ↳ What do we want to surface in the app?

App Functionality:
  - ↳ League Standings
  - ↳ Fixtures
  - ↳ Results
  - ↳ Top Scorers (competition)
  - ↳ Matches for a Team?

Questions!
- As a football fan what do I want to see?
- What is the MVP?