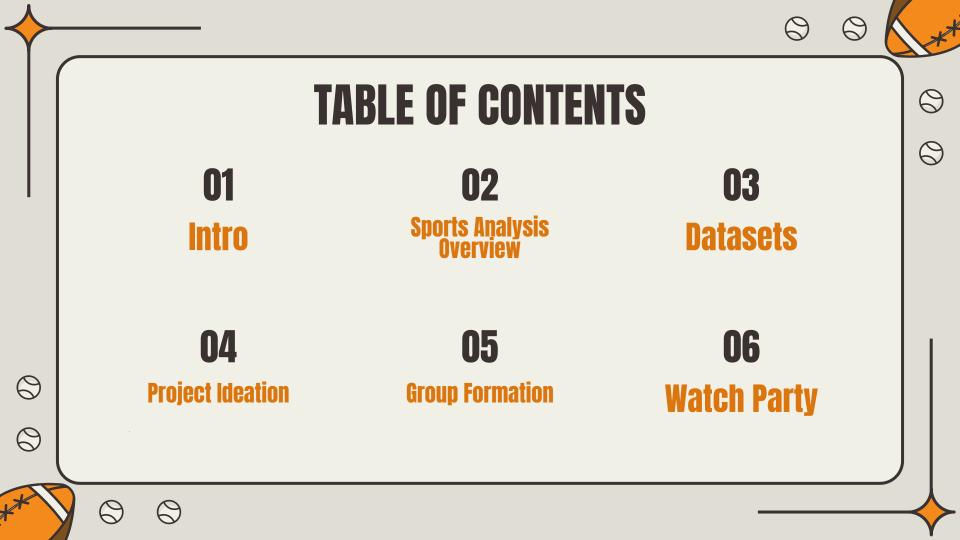


Week 1







## **About me!**

Name: Rahul Govil

Hometown: Rochester Hills, MI

Major: 3rd Year Data Science in CoE

• Classes Taken: EECS 203, 280, 281, 445,

484, 492, 442; STATS 412, 413

 Interests: football, basketball, fantasy sports, music, video games, lifting

• **Teams:** All Detroit sports













## Main Ideas:

- Get sports data
- Clean it up
- Visualize it
- Model/Analyze it

Week	Agenda
1 (9/21)	Intros + Project Group Formation
2 (9/28)	Pandas/NumPy Review
3 (10/5)	Data Cleaning
-	Fall Break
4 (10/19)	Data visualization
5 (10/26)	Data visualization + watch party
6 (11/2)	Model Creation
7 (11/9)	Model Creation + watch party
8 (11/16)	Presentation Prep + watch party





The internet's got everything! Only rule: has to be sports-related

## Good sources:

- <a href="https://www.sports-reference.com/">https://www.sports-reference.com/</a> (by far the best)
- <u>fangraphs.com</u> (just baseball)
- ESPN API
- Pro league APIs

## **Project Ideation**

**Split up** by favorite sport: Football, Basketball, Soccer, etc (might need an "other" group)

With a few people in that group, **talk** through what question you're interested in analyzing/modeling

**Think About:** What data do you need? What ideas/hypotheses do you have? Will you build a model for prediction or just analyze?



- Do the basic python review:
   https://github.com/MichiganDataScienceTeam/F25-SportsDataAnalysis/blob/main/Starter%20Code/pandas numpy michigan football.ipynb
- Figure out the dataset you want to use and/or what (if any) outside data you want data should be ready to go in 2 weeks
- Watch football and socialize!

