Graph Neural Networks for sports prediction

Sports

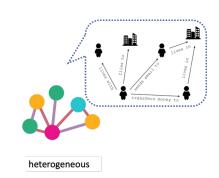
- Al and data science in sports is a massively growing field
- Traditionally, decisions made by coaches who devoted their entire life to master the game
- New era of big data has shown trends that were not known even to the most knowledgeable in their sport
- Sports are not as random as it may seem



Graphs

- Homogeneous graphs and Heterogeneous graphs
- Heterogeneous graphs can do a really good job of capturing connections between various aspects in sports
- Node edge connections
 - Players play for team
 - Certain Players play with -certain other players
 - Team -plays in game
- Nodes and edges can have features
 - Player has scored 64 points
 - Team has 20 wins and 13 losses
 - Game is located in California with 80% capacity





Graph Neural Networks

- Able to learn high dimensional relationships from the nodes and edges
- Can use what it learns from data to predict unknown outcomes
- Can use players, teams, and game and get classification of win or loss

To the code ->

