import matplotlib.pyplot as plt  
import pandas as pd  
  
user\_columns = ['NAME',  
 'CLUB',  
 'LEAGUE',  
 'POSITION',  
 'TIER',  
 'RATING',  
 'PACE',  
 'SHOOTING',  
 'PASSING',  
 'DRIBBLING',  
 'DEFENDING',  
 'PHYSICAL',  
 'LOADDATE']  
soccer = pd.read\_table('https://raw.githubusercontent.com/kafagy/fifa-FUT-Data/master/FIFA19.csv',  
 sep=',',  
 header=0,  
 names=user\_columns)  
soccerheader = soccer.head()  
print(soccerheader)  
  
AVGRatingbyTier = soccer.groupby('TIER').RATING.mean().sort\_values().plot(kind='bar', color='red')  
AVGRatingbyTier.set\_title('Average Rating by Tier')  
AVGRatingbyTier.set\_xlabel('Tier')  
AVGRatingbyTier.set\_ylabel('Rating')  
plt.show(AVGRatingbyTier)  
  
AVGRatingbyLeague = soccer.groupby('LEAGUE').RATING.mean().sort\_values(ascending=False).head().plot(kind='barh', color='green')  
AVGRatingbyLeague.set\_title('Average Rating by League')  
AVGRatingbyLeague.set\_xlabel('Rating')  
AVGRatingbyLeague.set\_ylabel('League')  
plt.show(AVGRatingbyLeague)  
  
AVGPacebyRating = soccer.groupby('RATING').PACE.max().plot(kind='hist', color='blue')  
AVGPacebyRating.set\_title('Average Max Pace Level by Rating')  
AVGPacebyRating.set\_xlabel('Rating')  
AVGPacebyRating.set\_ylabel('Max Pace Level')  
plt.show(AVGPacebyRating)  
  
CntMaxRatingbyLeague = soccer.groupby('LEAGUE').RATING.max().sort\_values(ascending=False).head().plot(kind='pie')  
CntMaxRatingbyLeague.set\_title('Count of Max Player Rating by League')  
ntMaxRatingbyLeague.set\_ylabel('')  
plt.show(CntMaxRatingbyLeague)  
  
CntPositionbyMaxRating = soccer.groupby('POSITION').RATING.max().sort\_values(ascending=False).head().plot(color='purple')  
CntPositionbyMaxRating.set\_title('Max Rating by Total Count of Positions')  
CntPositionbyMaxRating.set\_xlabel('Positions')  
CntPositionbyMaxRating.set\_ylabel('Rating')  
plt.show(CntPositionbyMaxRating)

A screenshot of a cell phone

Description automatically generated

The bar graph above shows the average rating for a player according to their incrementing tier(Bronze, Silver or Gold).

A screenshot of a cell phone

Description automatically generated

The bar graph above shows the average rating of all players in the top 5 global leagues.

A screenshot of a cell phone

Description automatically generated

The bar above shows the max pace per player according to their rating.

A close up of a logo

Description automatically generated

The above graph shows the max rating of all players in the top 5 global leagues.

A screenshot of a cell phone

Description automatically generated

The graph above shows the max rating per total count of position.