Exploratory data analysis - Exercises

CitiesExt.csv

- Ten countries with the highest population, bar chart showing populations

- Pie chart showing relative number of cities with negative longitude and positive longitude. Label the two slices "west" for west of the Prime Meridian (negative longitude), and "east" for east of the Prime Meridian (positive longitude)

- Is there is any relationship between the latitude of cities in a country (x-axis) and the population of that country (y-axis) (scatter plot)

PlayersExt.csv

- Create a bar chart showing the average number of minutes played by players in each of the four positions.

- Create a stacked bar chart for teams that played more than 4 games, showing their number of wins, draws, and losses.

- Create a pie chart showing the relative percentage of teams with 0, 1, and 2 red cards. Note: the pie should have three slices.

- Create a scatterplot of players showing passes (y-axis) versus minutes (x-axis). (Why are there some lines of dots?)

- Create a map of countries colored light to dark blue based on how many goals their team made ("goalsFor").

- Create a pie chart showing the relative percentage of players making <= 0.25 passes per minute, >= 0.5 passes per minute, and between 0.25 and 0.5.