



重慶理工大學

CHONGQING UNIVERSITY OF TECHNOLOGY

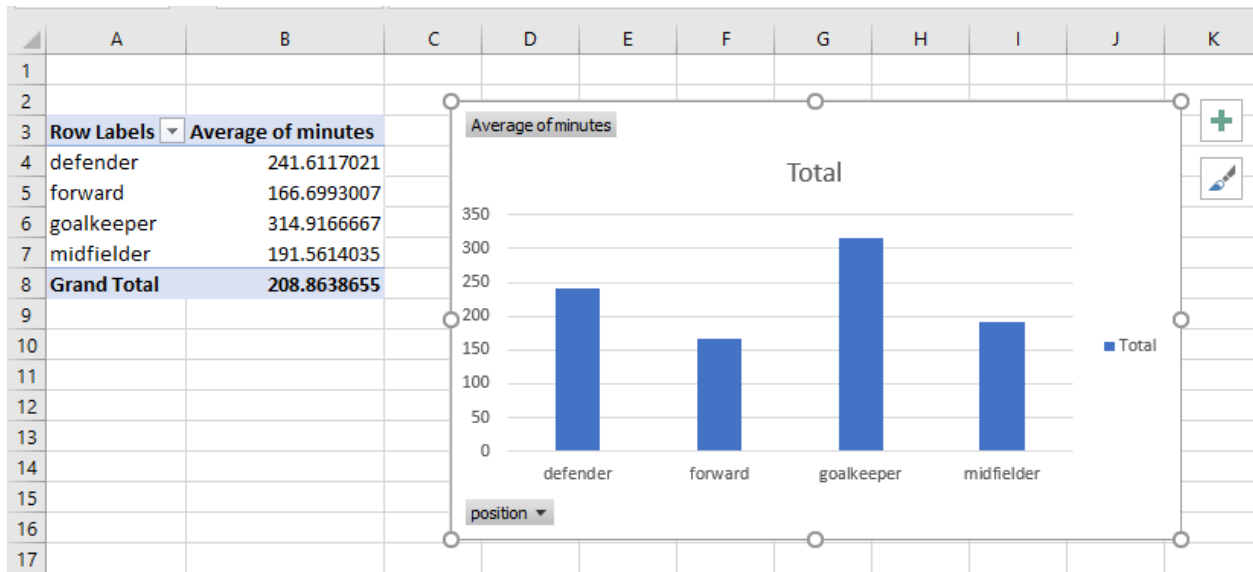
**ASSIGNMENT-2: SPREADSHEET DATA
VISUALIZATION**

法希姆-62019010100

• World Cup Data

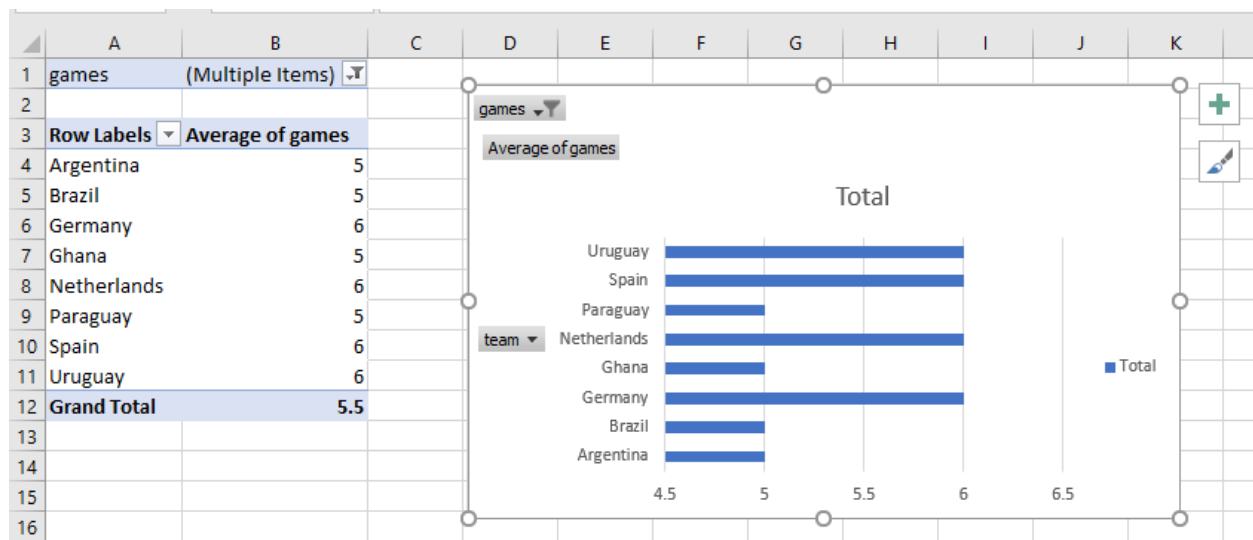
Problem 11. Create a bar chart showing the average number of minutes played by players in each position.

Answer-11: “pivot table” for Data analyzing and “Bar chart” for Data Visualization.



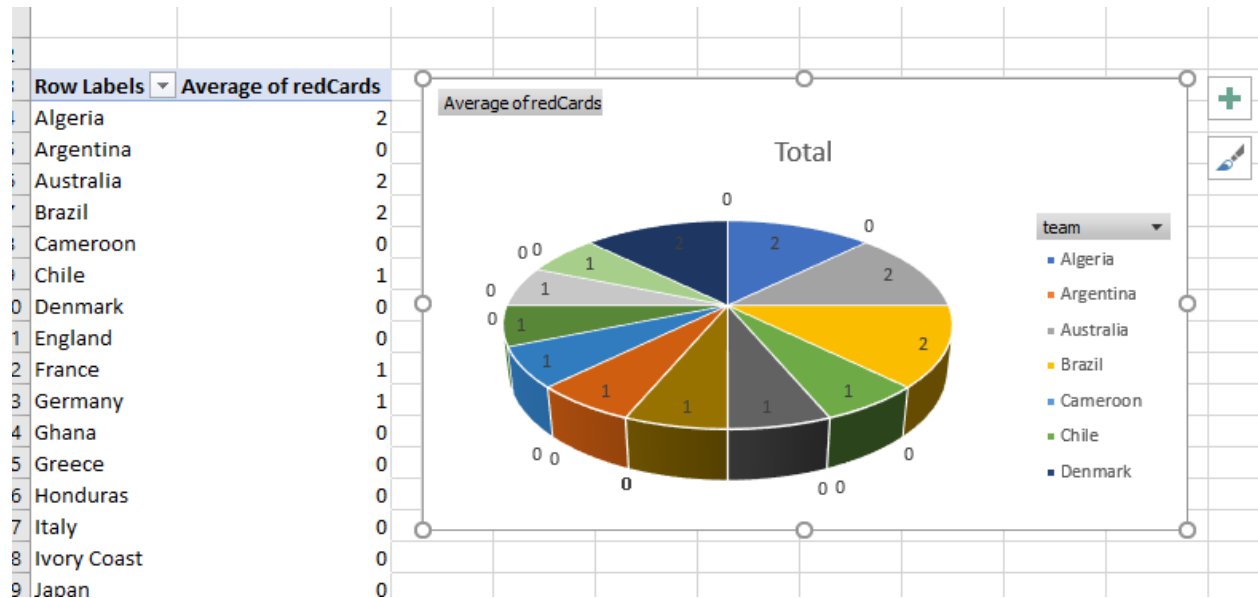
Problem 12. Create a stacked bar chart showing teams that played more than 4 games, with their total number of games divided into wins, draws, and losses.

Answer-12: “pivot table” for Data analyzing and “Stacked Bar chart” for Data Visualization.



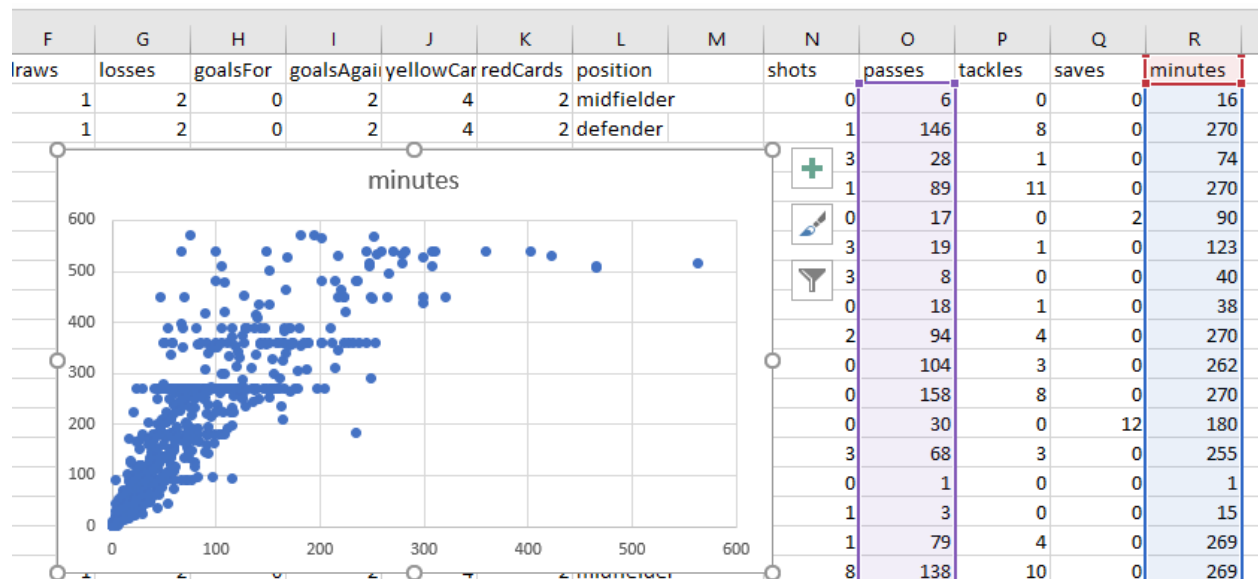
Problem 13. Create a pie chart showing the relative percentage of teams with 0, 1, and 2 red cards.

Answer-13: “pivot table” for Data analyzing and “Pie chart” for Data Visualization.



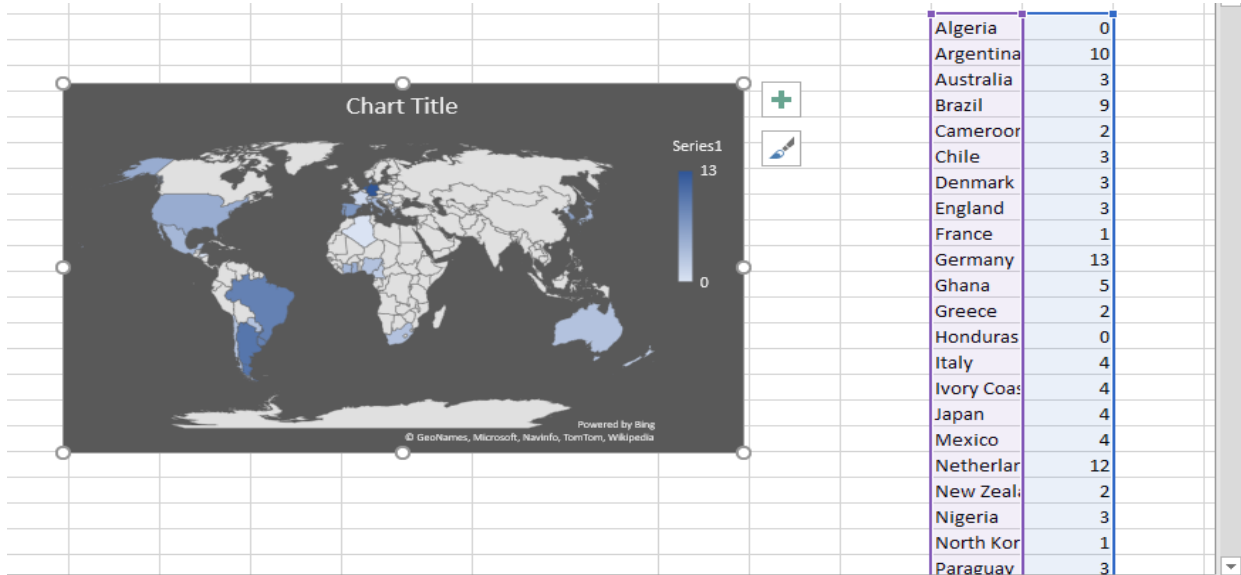
Problem 14. Create a scatterplot of players showing passes (x-axis) versus minutes (y-axis). (If you know anything about the World Cup you might think about why there are lines of dots.)

Answer-14: Used “Scatterplot” for Data Visualization.



Problem 15. Create a map of countries colored light to dark blue based on how many goals their team made ("goalsFor").

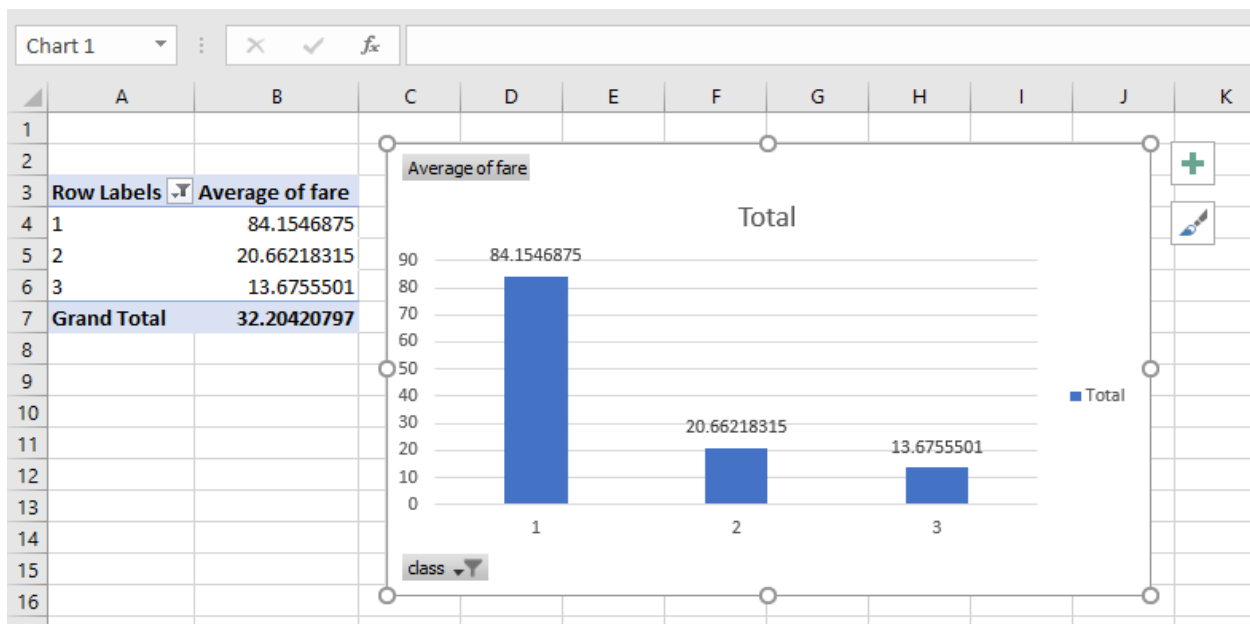
Answer-15: “pivot table” for Data analyzing and “Map” for Data Visualization.



• Titanic Data

Problem 16. Create a bar chart showing the average fare paid by passengers in each class. The three bars should be labeled "first", "second", "third".

Answer-16: “pivot table” for Data analyzing and “Bar chart” for Data Visualization. Data has been labeled as well.



Problem 17. Create a stacked bar chart showing the number of passengers in each class, divided into male and female (three bars). Then reverse roles and show the number of passengers of each gender, divided into class (two bars).

Answer-17: “pivot table” for Data analyzing and “Stacked Bar chart” for Data Visualization. Number of passengers in each class has shown is **figure-17.1** and number of passengers of each gender has shown in **figure-17.2**.

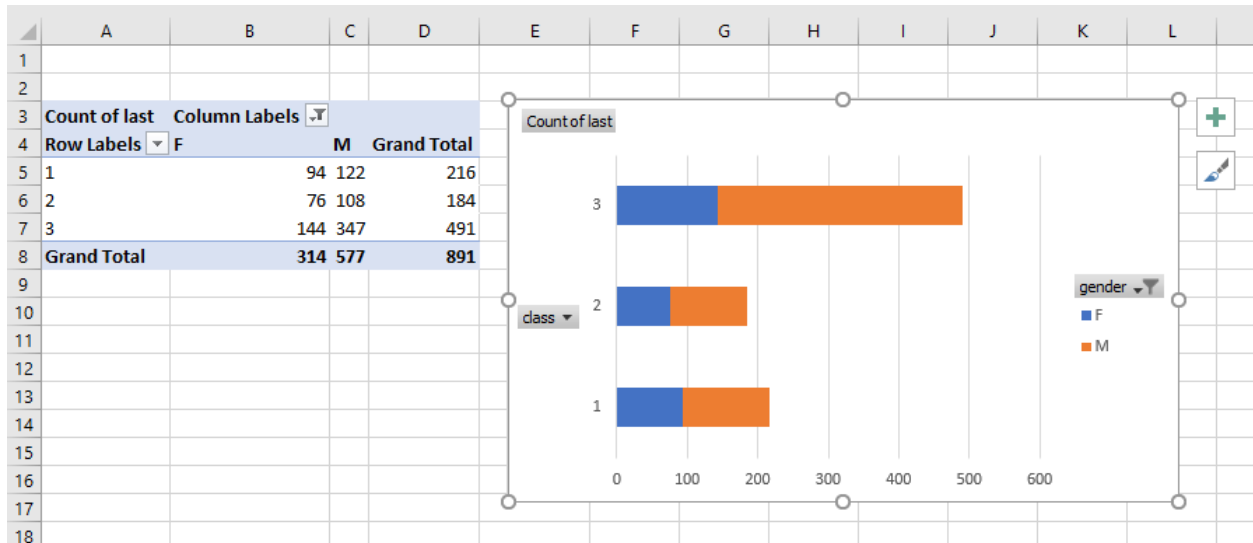


Figure-17.1: Passengers in each class

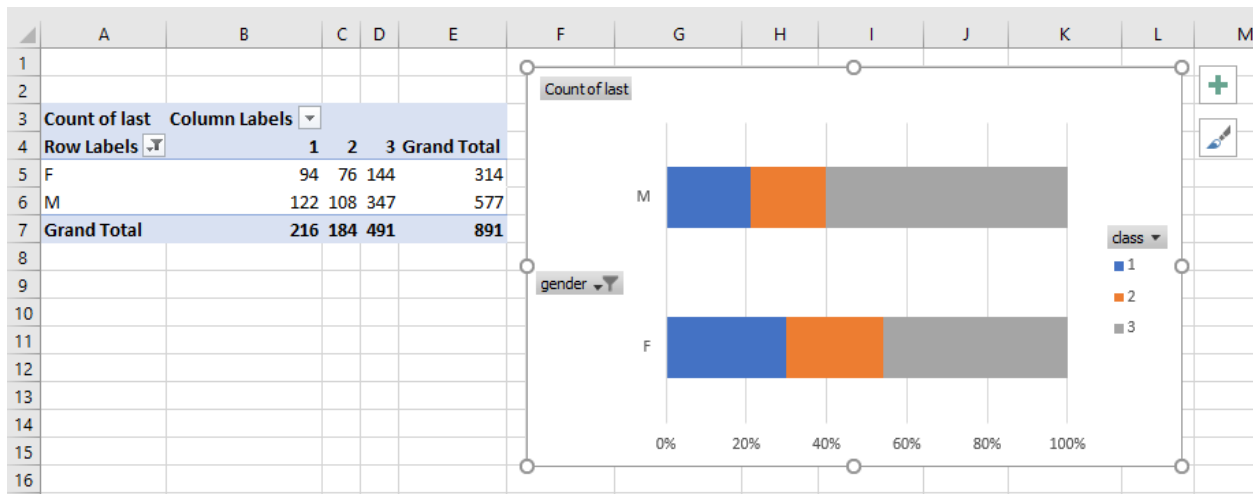
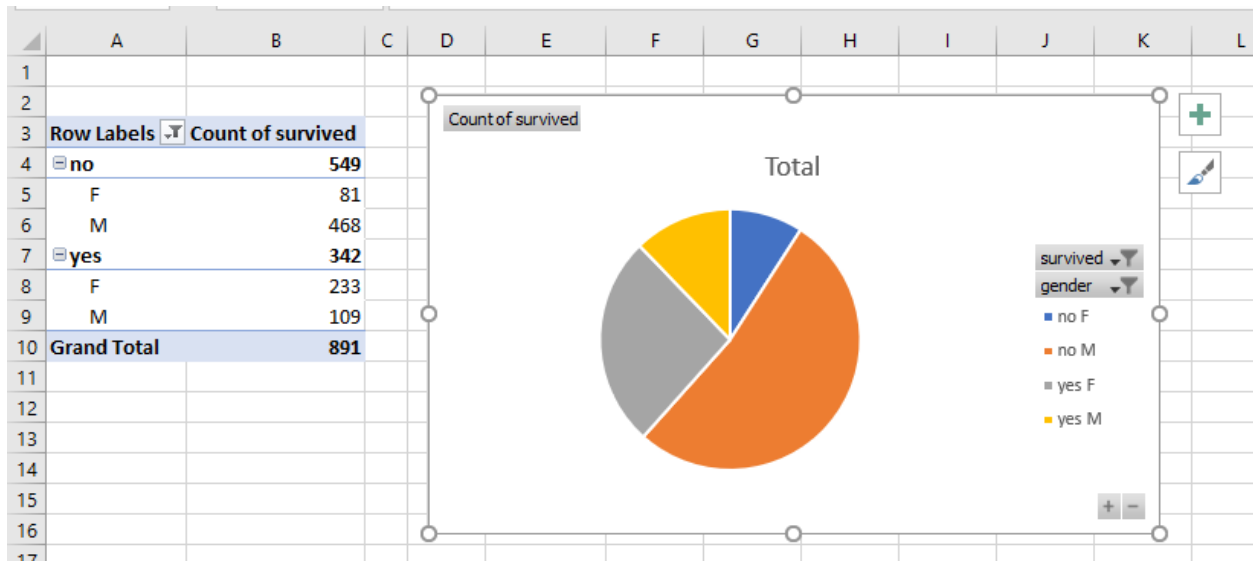


Figure-17.2: Passengers in each gender

Problem 18. Create a pie chart showing the relative number of male survivors, male non-survivors, female survivors, and female non-survivors (four slices).

Answer-18: “pivot table” for Data analyzing and “Pie chart” for Data Visualization.



Problem 19. Let "youth" denote passengers whose age is under 18, "adult" denote passengers age 18-59, and "senior" denote passengers whose age is 60 and above. Create a pie chart with four slices showing the relative number of youth, adult, senior, and those whose age is unknown. Hint: consider using function $=if(*,*,if(*,*,*))$.

Answer-19: “pivot table” for Data analyzing and “Pie chart” for Data Visualization.

