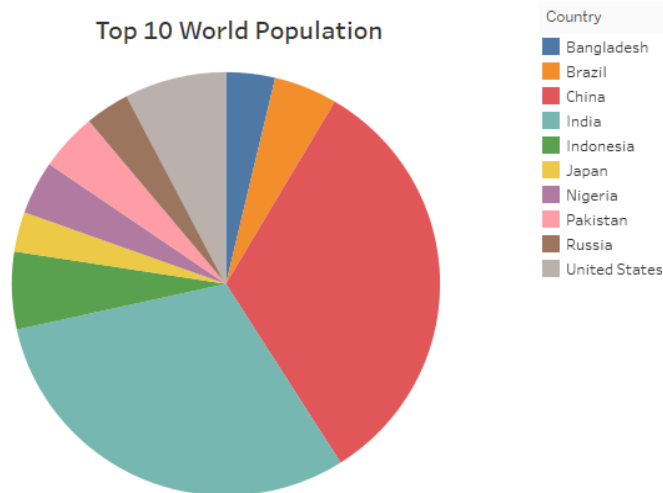


Data Visualisations

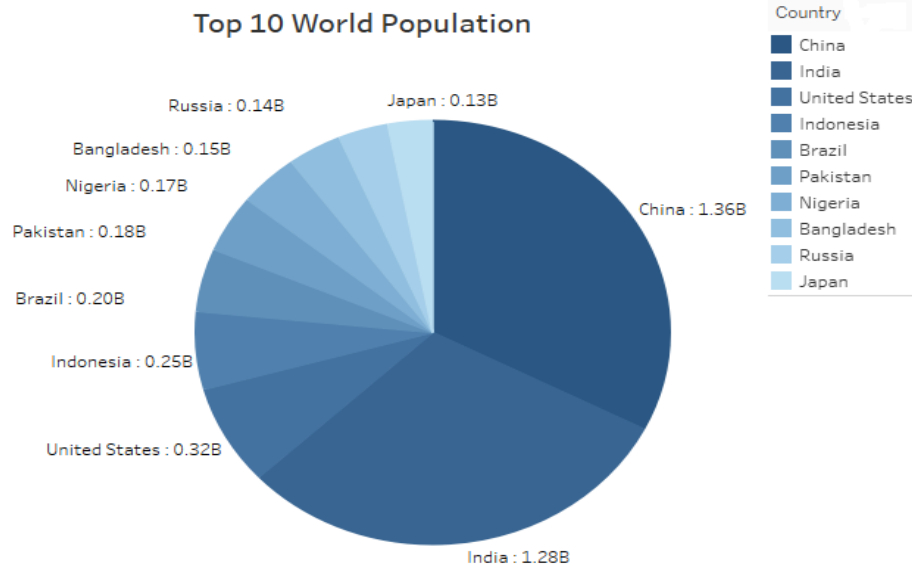
Qs1. Below pie chart contains top 10 countries according to their Population

Non-Redundant:



1. Which country has the lowest population? _____
2. Does Bangladesh and Russia have same population?
 - ☐ Bangladesh has higher population than Russia
 - ☐ Russia has higher population than Bangladesh
 - ☐ Both are same
 - ☐ Can't say

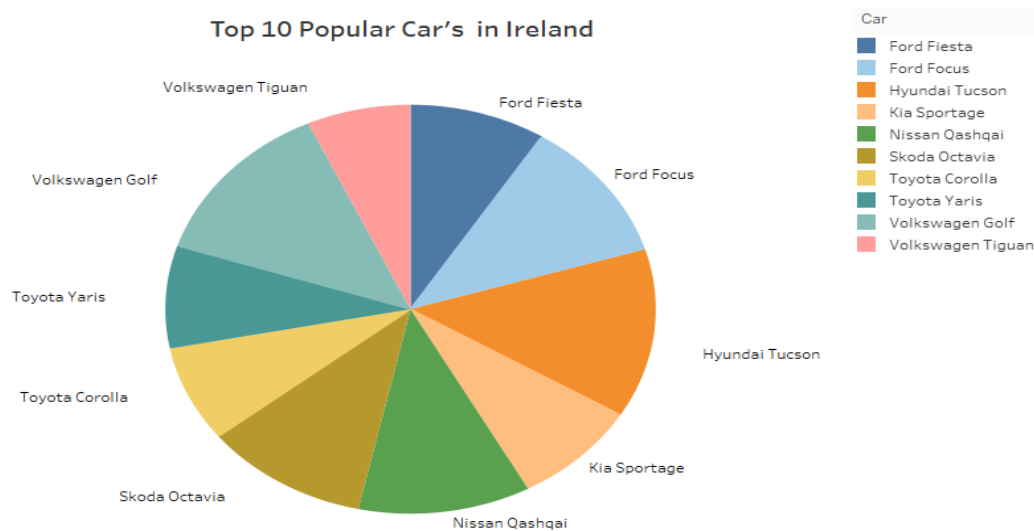
Redundant:



1. Which country has the lowest population? _____
2. Does Pakistan and Brazil have same population?
 - Pakistan has higher population than Brazil
 - Brazil has higher population than Pakistan
 - Both are same
 - Can't say

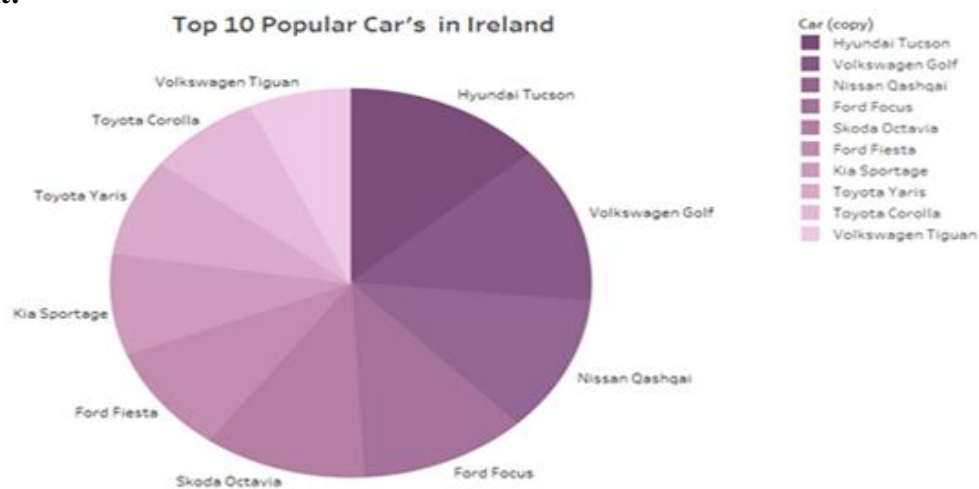
Qs2. Below pie chart contains top 10 most popular cars in Ireland.

Non-Redundant:



1. Which car is more popular between Ford Fiesta and Skoda Octavia? _____
2. Which is the most Popular car? _____

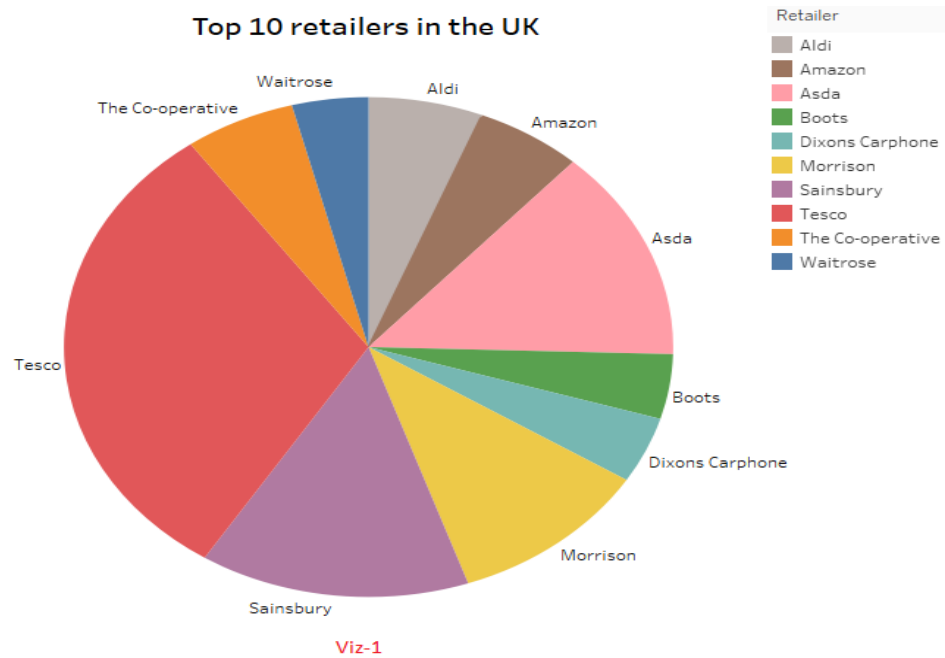
Redundant:



1. Which car is more popular between Ford Focus and Nissan Qashqai? _____
2. Which is the most Popular car? _____

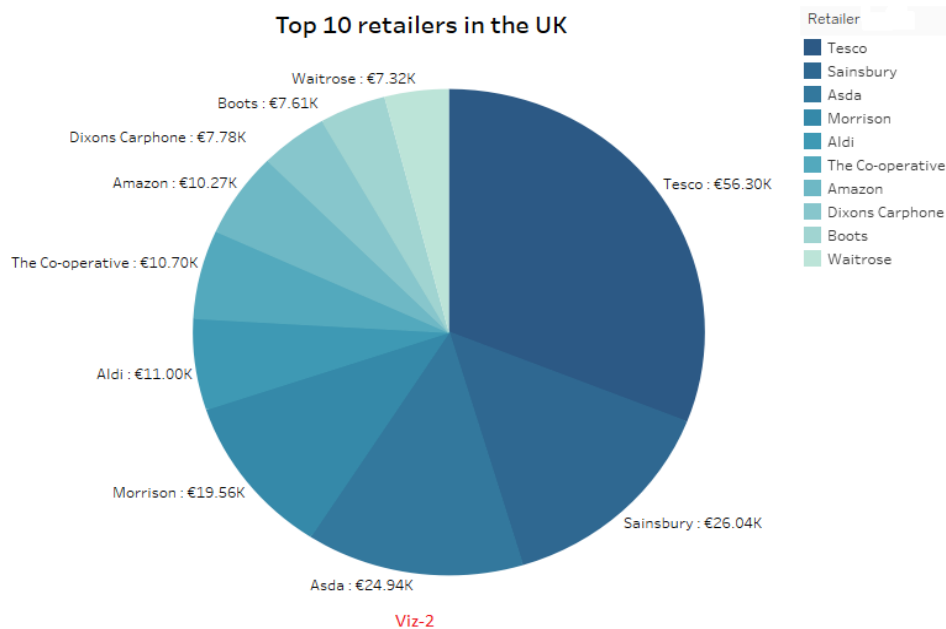
Qs3. Below pie chart contains top 10 retailers in UK.

Non-Redundant (Visualization-1):



1. Which is the least popular retailer between Sainsbury and Asda?
2. Which is the 3rd lowest Retailer?

Redundant (Visualization 2):



1. Which is the more popular retailer between The Co-operative and Aldi?
2. Which is the 5th highest Retailer?

3. According to you, which one out of the above visualizations perform better in helping you to answer the question quickly (Viz-1 or Viz-2)?

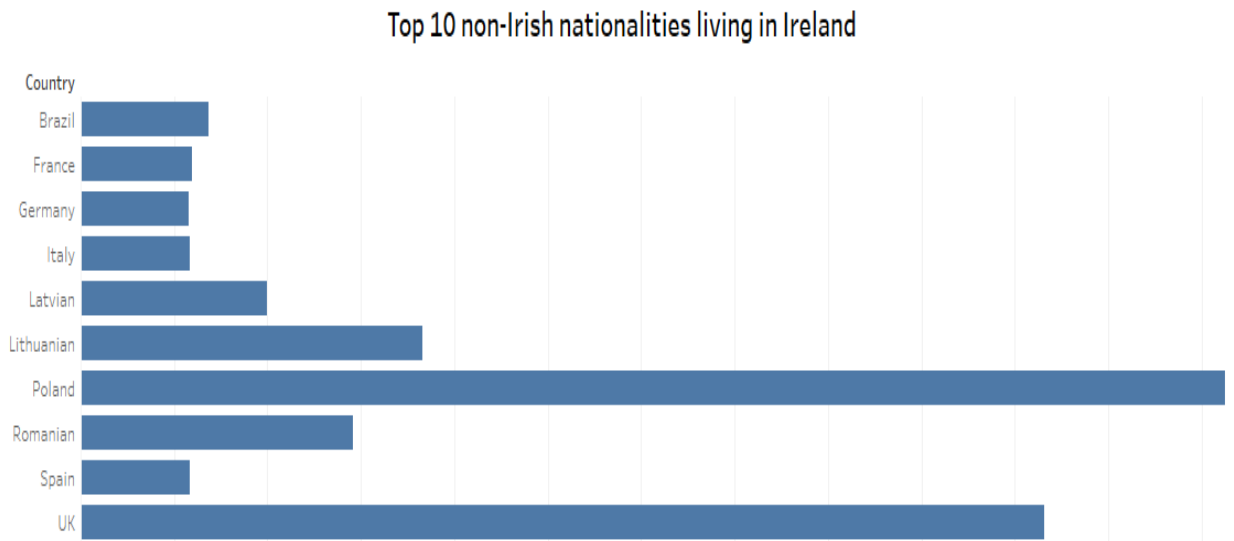
Visualization	Yes/No
Visualization 1	
Visualization 2	

4. On the scale of 1-5, rate ease of answering for viz-1 and viz -2?

Viz-1		Viz-2	
1	Poor	1	Poor
2	Fair	2	Fair
3	Good	3	Good
4	Very Good	4	Very Good
5	Excellent	5	Excellent

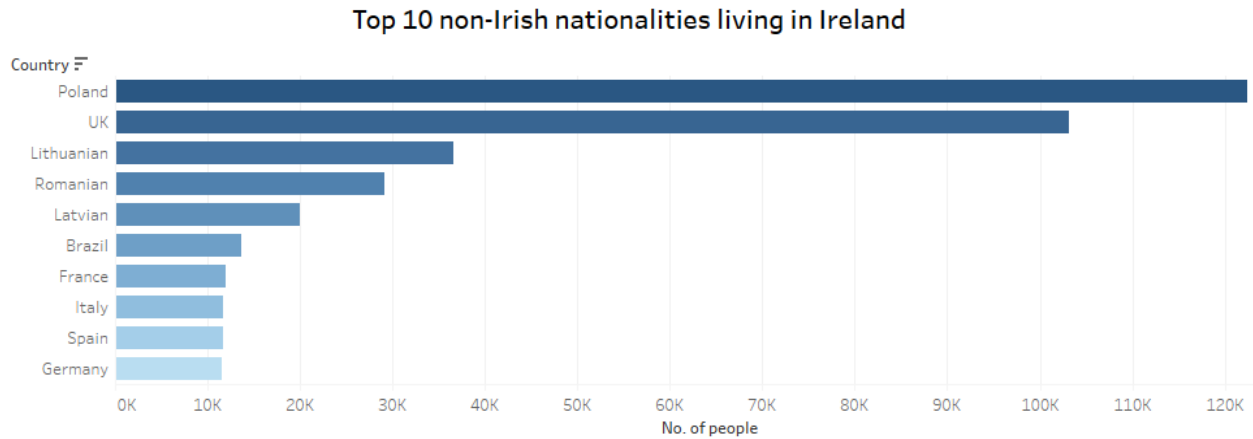
Qs4. Below is a bar chart containing top 10 non-Irish nationalities living in Ireland

Non-Redundant:



- Which is the lowest non-Irish nationality living in Ireland? _____
- Which are the three lowest non-Irish nationalities? _____

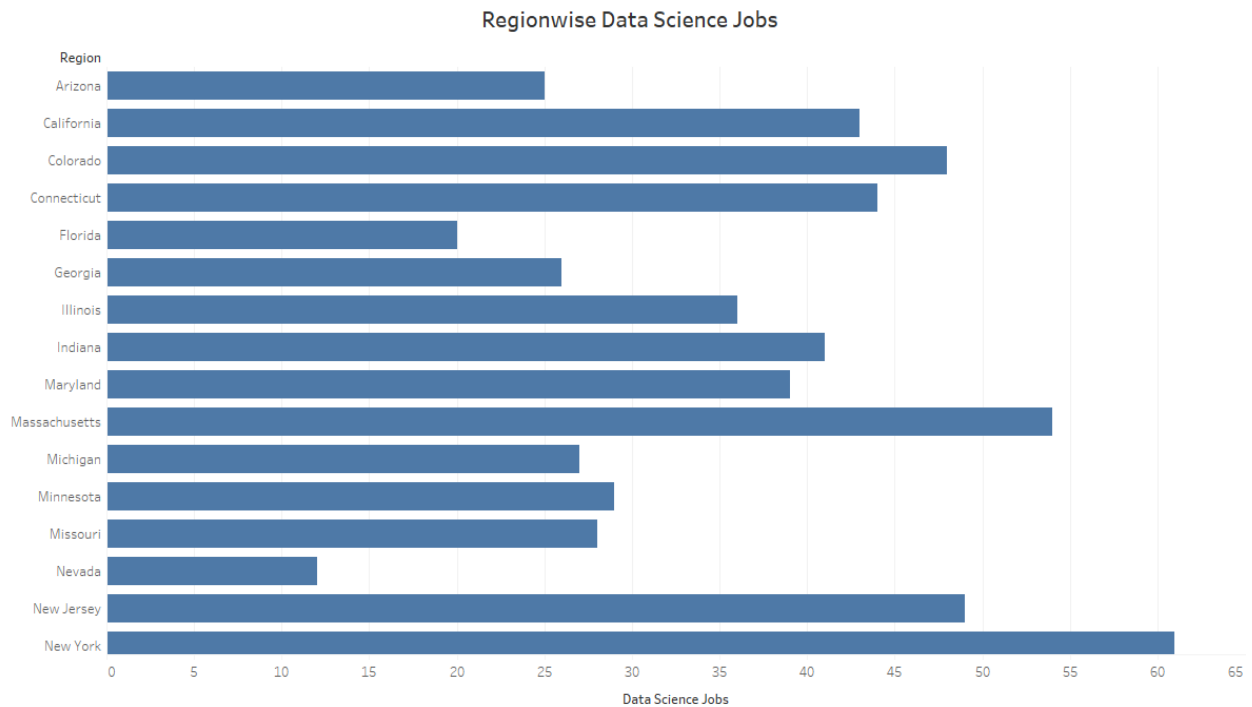
Redundant:



1. Which is the lowest non-Irish nationality living in Ireland? _____
2. Which are the three lowest non-Irish nationalities? _____

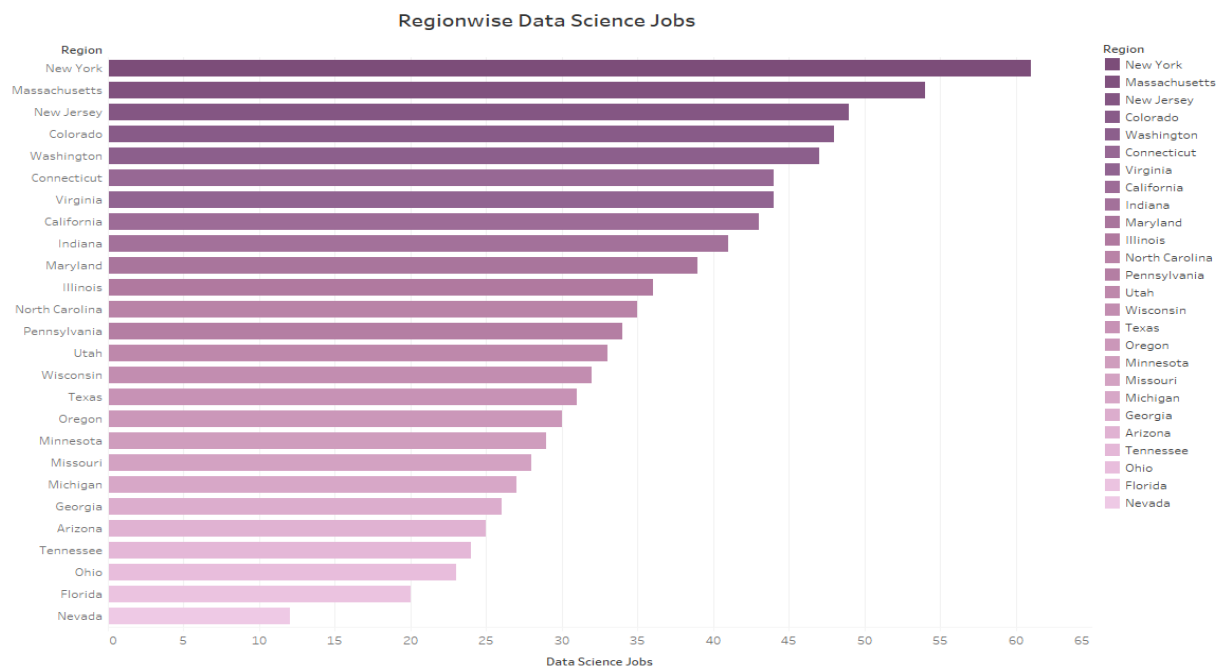
Qs5. Below is a bar chart containing region wise number of Data Science jobs in the US.

Non-Redundant:



1. Difference in number of jobs between second lowest and second highest region? _____
2. Name the regions with same number of data science jobs? _____

Redundant:

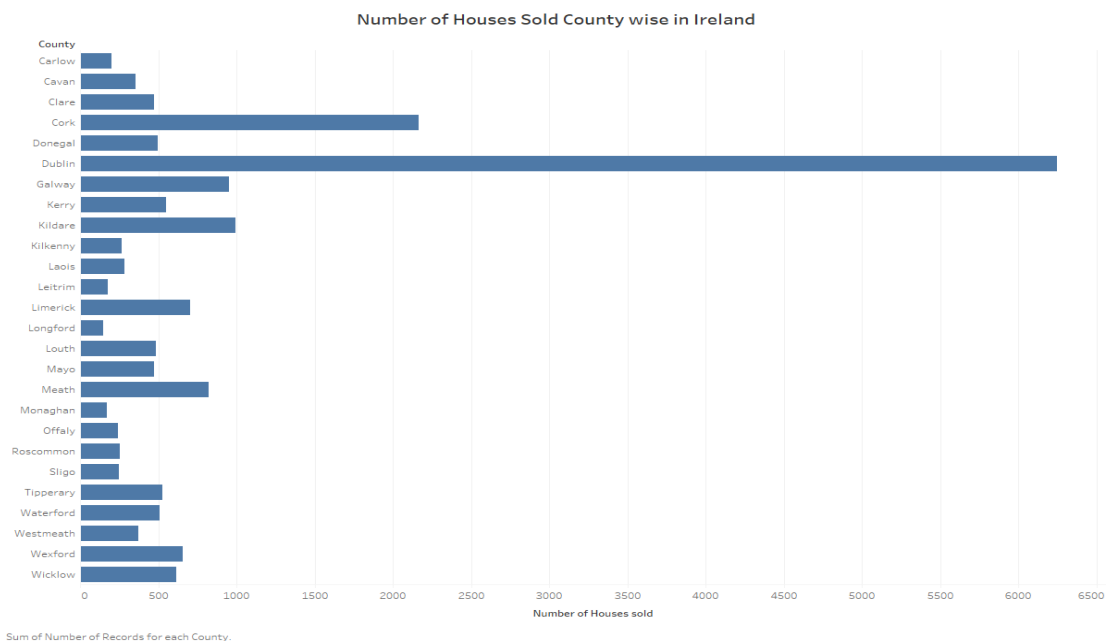


1. Difference in number of jobs between second lowest and highest region? _____

2. Name the regions with same number of data science jobs? _____

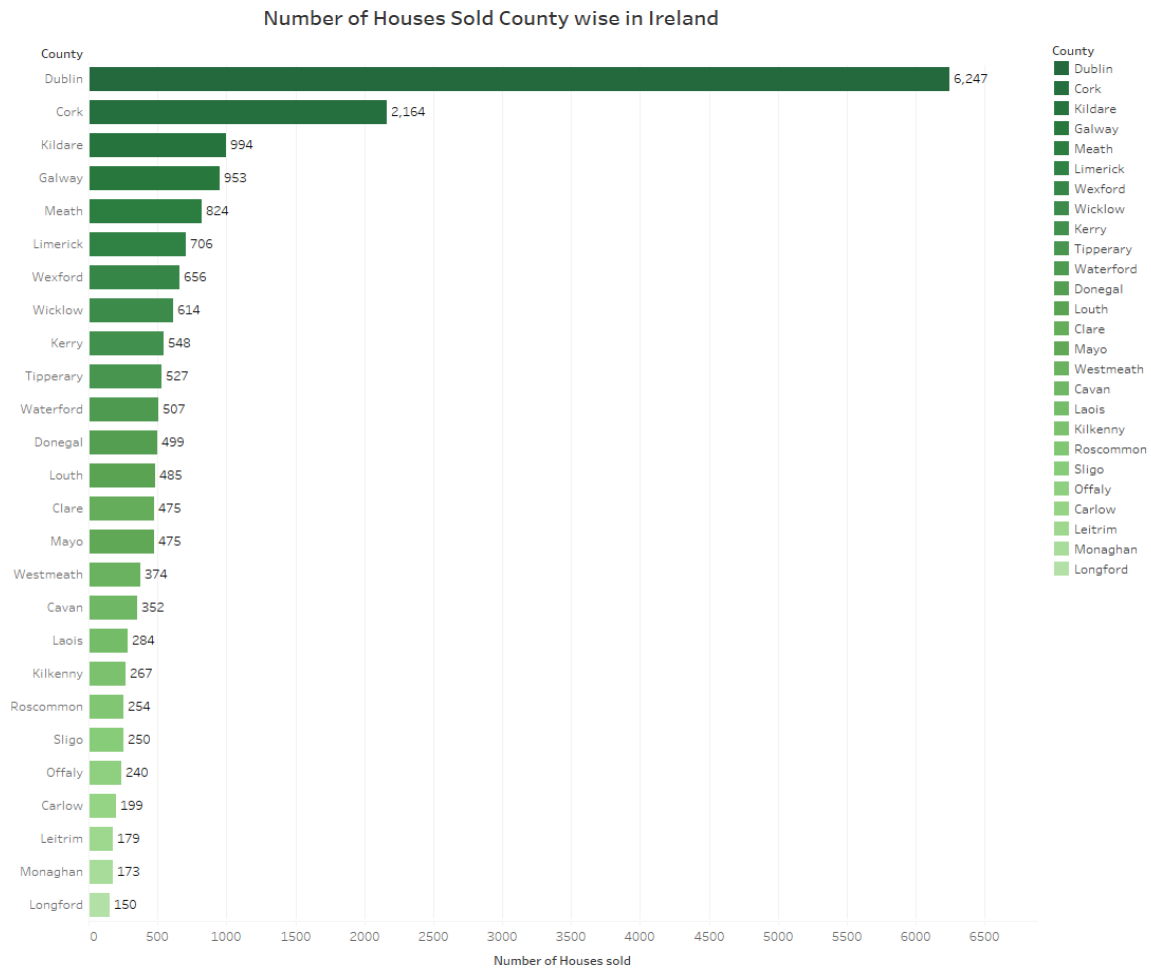
Qs6. Below is a bar chart containing number of houses sold in each county.

Non-Redundant:



1. Which is the 5th highest county in Ireland in terms of number of houses sold? _____
2. Which two counties have same number of houses sold? _____
3. Segregate the above counties in 3 groups based on no of houses sold and list the county names in Groups
 Group1- 700 and above _____
 Group2- 400 to 700 _____
 Group3- 300 and less _____

Redundant:



1. Which is the 4th highest county in Ireland in terms of number of houses sold? _____
2. Which two counties have same number of houses sold? _____
3. Segregate the above counties in 3 groups based on no of houses sold and list the county names in Groups
 Group1- 700 and above _____
 Group2-400 to 700 _____
 Group3- 300 and less _____

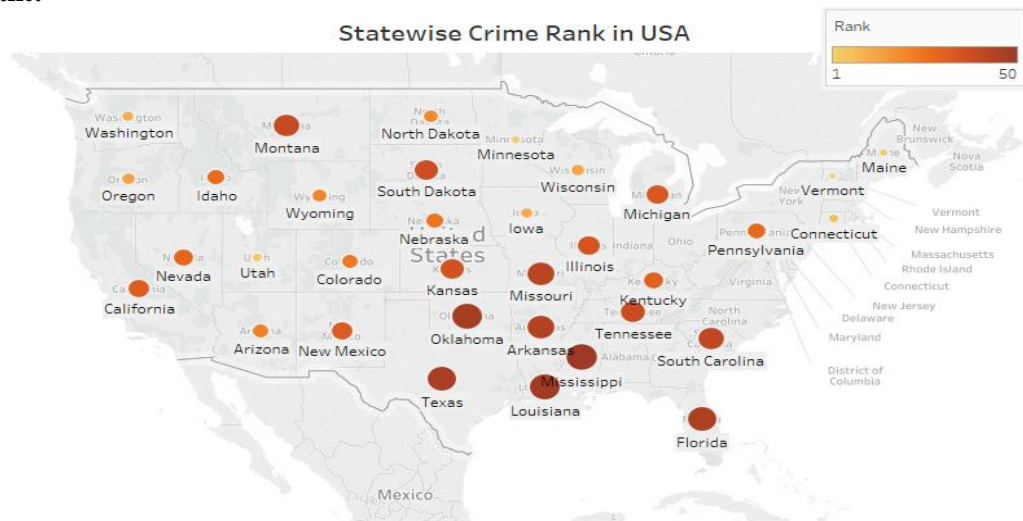
Qs7. Map chart contains state wise crime data in USA

Non-Redundant:



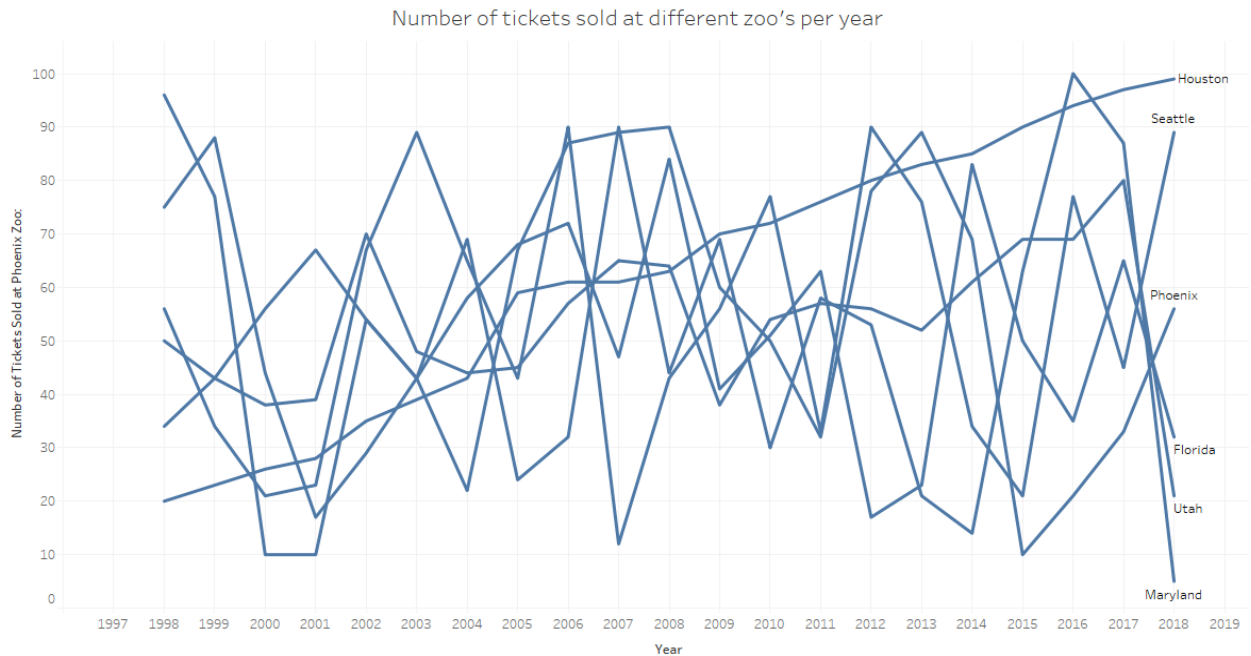
1. Which is the Safest State in USA? _____
2. State with highest crime rate? _____
3. Which state has more crime rate, Missouri or Illinois? _____

Redundant:



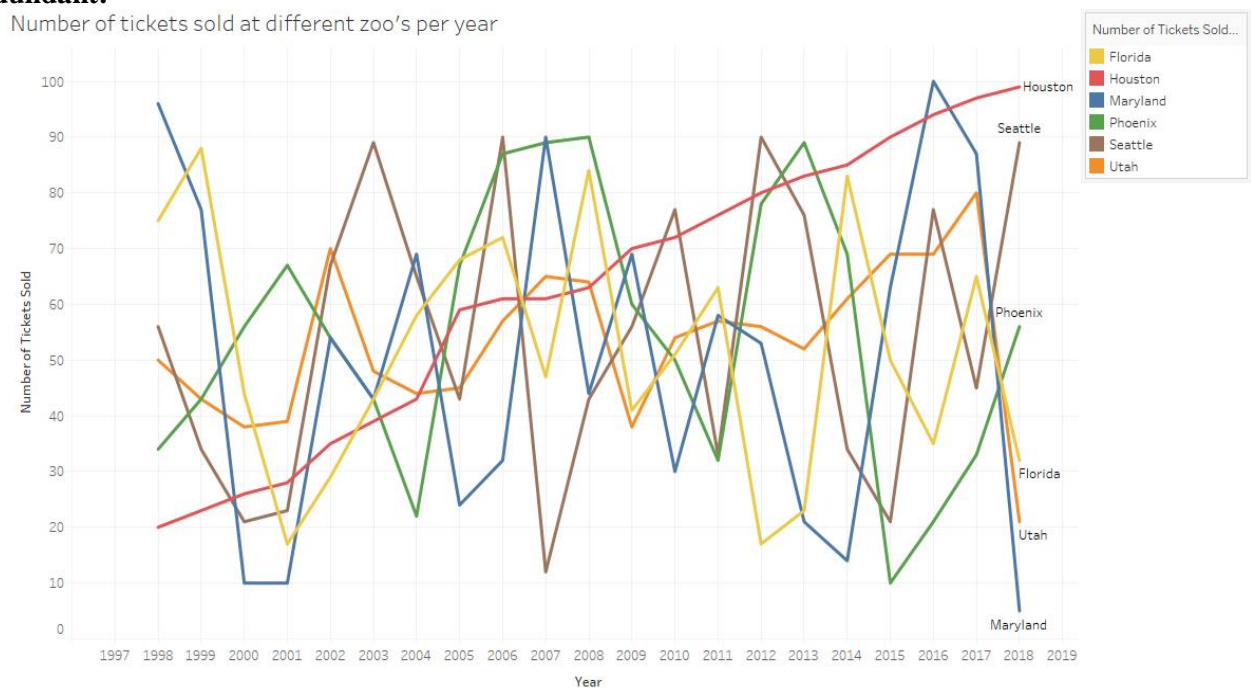
1. Which is the Safest State in USA? _____
2. State with highest crime rate? _____
3. Which state has more crime rate, California or Nevada? _____

Qs8. Line chart shows number of tickets sold at different zoo's in USA per year:
Non-Redundant:



- Which zoo showed steady rise in ticket sales across the years? _____
- Number of tickets sold in the year 2010 by PHOENIX zoo? _____
- Which zoo sold second lowest number of tickets in the year 2005? _____
- Which zoo sold the highest number of tickets in the year 1998? _____
- Which zoo had the Highest number of tickets sold across all the years? _____

Redundant:

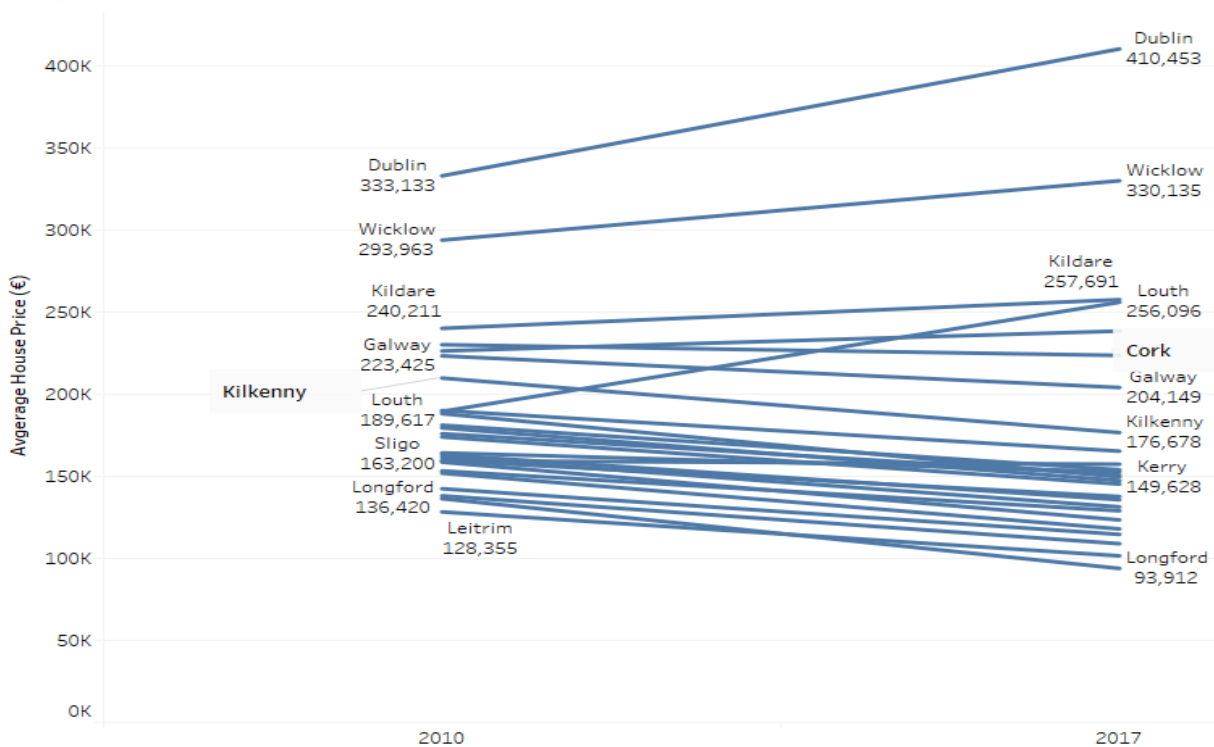


1. Which zoo showed steady rise in ticket sales across the years? _____
2. Number of tickets sold in the year 2010 by Utah zoo? _____
3. Which zoo sold second lowest number of tickets in the year 2005? _____
4. Which zoo sold the highest number of tickets in the year 1998? _____
5. Which zoo had the Highest number of tickets sold across all the years? _____

Qs9. Line chart shows Rise/Fall in average house prices across county's over past 8 years

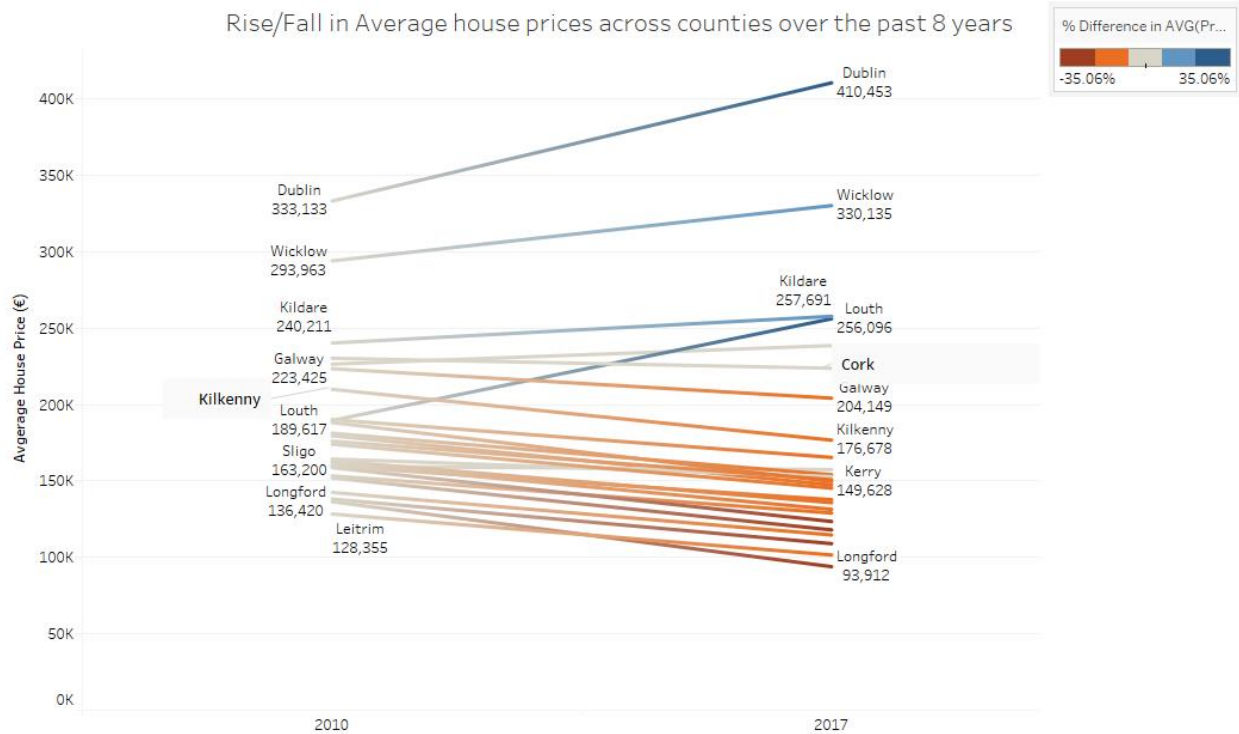
Non-Redundant:

Rise/Fall in Average house prices across counties over the past 8 years



1. Which county is having highest number of percentage increase? _____
2. Which county is having lowest number of percentage increase? _____
3. Which is more Kilkenny's fall or Wicklow rise? _____

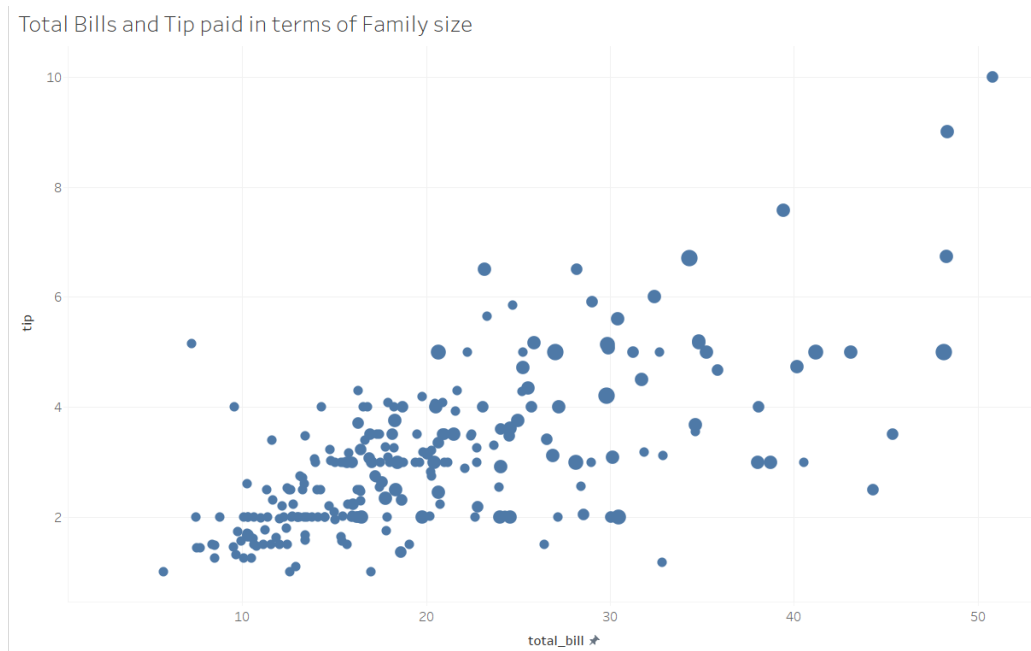
Redundant:



1. Which county is having highest number of percentage increase? _____
2. Which county is having lowest number of percentage increase? _____
3. Which is more Kilkenny's fall or Wicklow rise? _____

Qs10. The scatter plot has bills paid vs tip based on family size

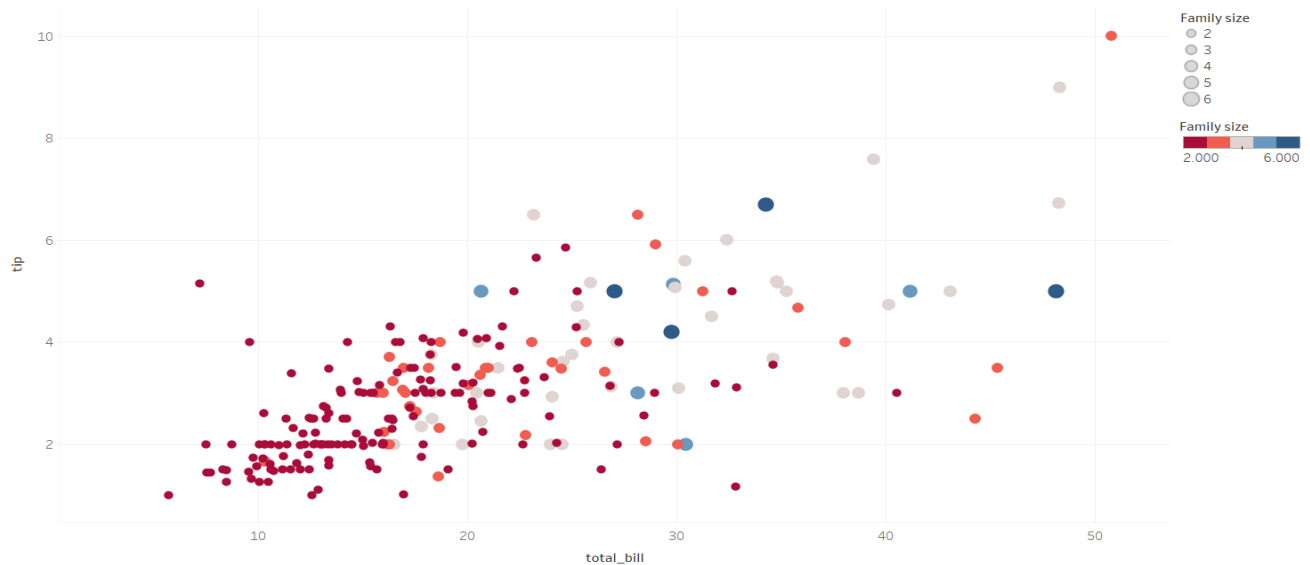
Non-Redundant:



1. Is there any relation between Total Bills paid and Family size?
 - ☐ Yes, Bill amount increases as the Family size increases.
 - ☐ Yes, Bill amount increases as the Family size decreases.
 - ☐ There is no clear relationship between Family size and Bills paid
2. How many different Family size groups are there in the chart?
 - ☐ 6
 - ☐ 4
 - ☐ 5
3. What is the count of largest Family size?
 - ☐ 3
 - ☐ 4
 - ☐ 5

Redundant:

Total Bills and Tip paid in terms of Family size



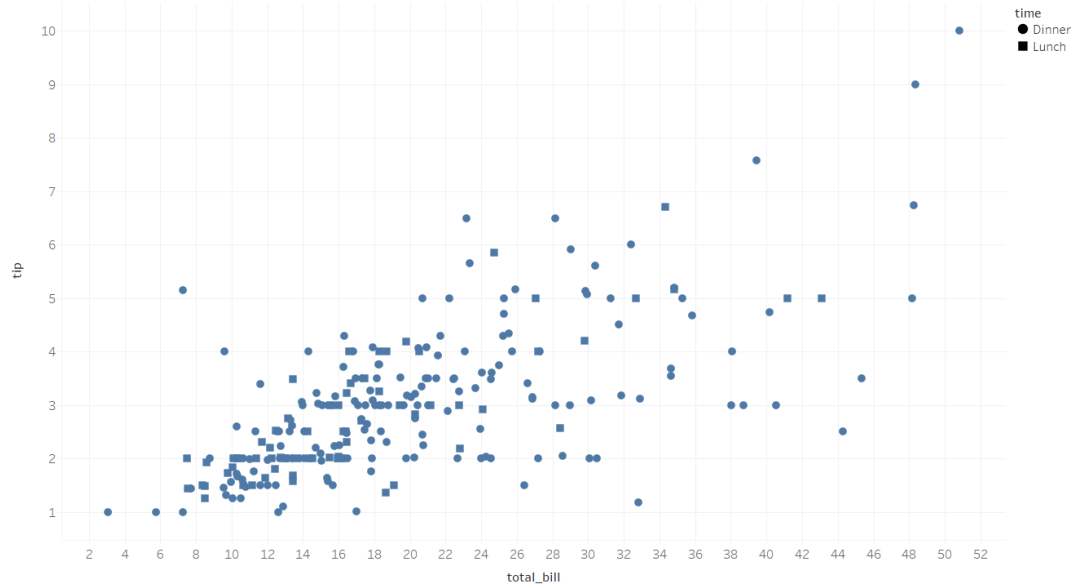
Total_bill vs. tip. Color shows details about Family size. Size shows details about Family size. The view is filtered on Family size, which ranges from 2 to 6.

1. Is there any relation between Total Bills paid and Family size?
 - ☐ Yes, Bill amount increases as the Family size increases.
 - ☐ Yes, Bill amount increases as the Family size decreases.
 - ☐ There is no clear relationship between Family size and Bills paid
2. How many different Family size groups are there in the chart?
 - ☐ 6
 - ☐ 4
 - ☐ 5
3. What is the count of largest Family size?
 - ☐ 3
 - ☐ 4
 - ☐ 5

Qs11. The scatter plot has bills paid vs tip based on two different groups (Dinner and Lunch)

Non-Redundant:

Total bill and Tip paid in terms of Dinner and Lunch

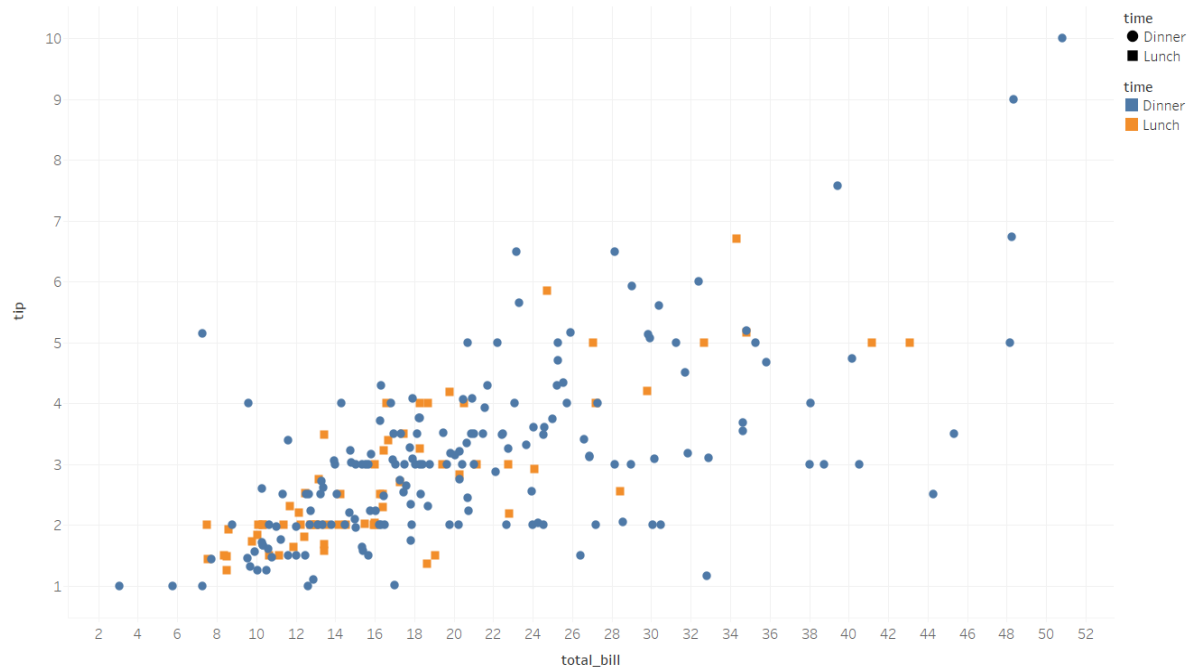


Total_bill vs. tip. Shape shows details about time.

1. Which is the one i.e. Lunch or Dinner having higher proportion in terms of Bills and Tip paid?

Redundant:

Total bill and Tip paid in terms of Dinner and Lunch



Total_bill vs. tip. Color shows details about time. Shape shows details about time.

1. Which is the one i.e. Lunch or Dinner having higher proportion in terms of Bills and Tip paid?

