Tableau Exercises

Exercise 1

1. Using the Fast Food Dataset (fast_food_data.csv), make a chart that uses Type as a column and the average Calories for the rows. Which food type has the most calories on average?
2. Draw an Average Line (using Summarize) in the graph that you just created. What is the average?
3. In a new sheet, make a chart that shows the average serving size per restaurant.
4. In a new sheet, Make a Packed Bubbles chart for Chick-fil-A and Sonic items with average carbs.
5. Save your workbook.
6. Create a new workbook and import artists.csv and albums.csv
7. Do an inner join, left join, right join and full outer join on the tables you just imported. What is the difference between each type of join?
8. Bonus: What other insights could you find from the fast food dataset?

Exercise 2

1. Build a forecast for profits using the Superstore data. Use a custom forecast model with an additive trend and additive seasonality.
2. In a new sheet, make a graph of store locations by longitude and latitude. Use symbol map.
3. In a new sheet, make a chart with the sales by customer name.
4. Filter names that start with 'An'. Which customer comes on top of the list?
5. In a new sheet, make a chart that shows the products that make the most profit.
6. In a new sheet, make a line chart, that shows the profit, sales and profit ratio by month of order date. What happens if you do cluster analysis?
7. Bonus: What other insights could you find from the superstore dataset?

Exercise 3

1. Choose a dataset of your choice (could be Mac's beer dataset or one from UCI's ML Repository - https://archive.ics.uci.edu/ml/datasets.php)
2. Make at least three different sheets with different visualizations that show an interesting insight (could be a forecast, sorted chart, etc).
3. Present it to others at class.