DS4200 Assignment 2

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Part 1 - Data Types

Dataset 1:

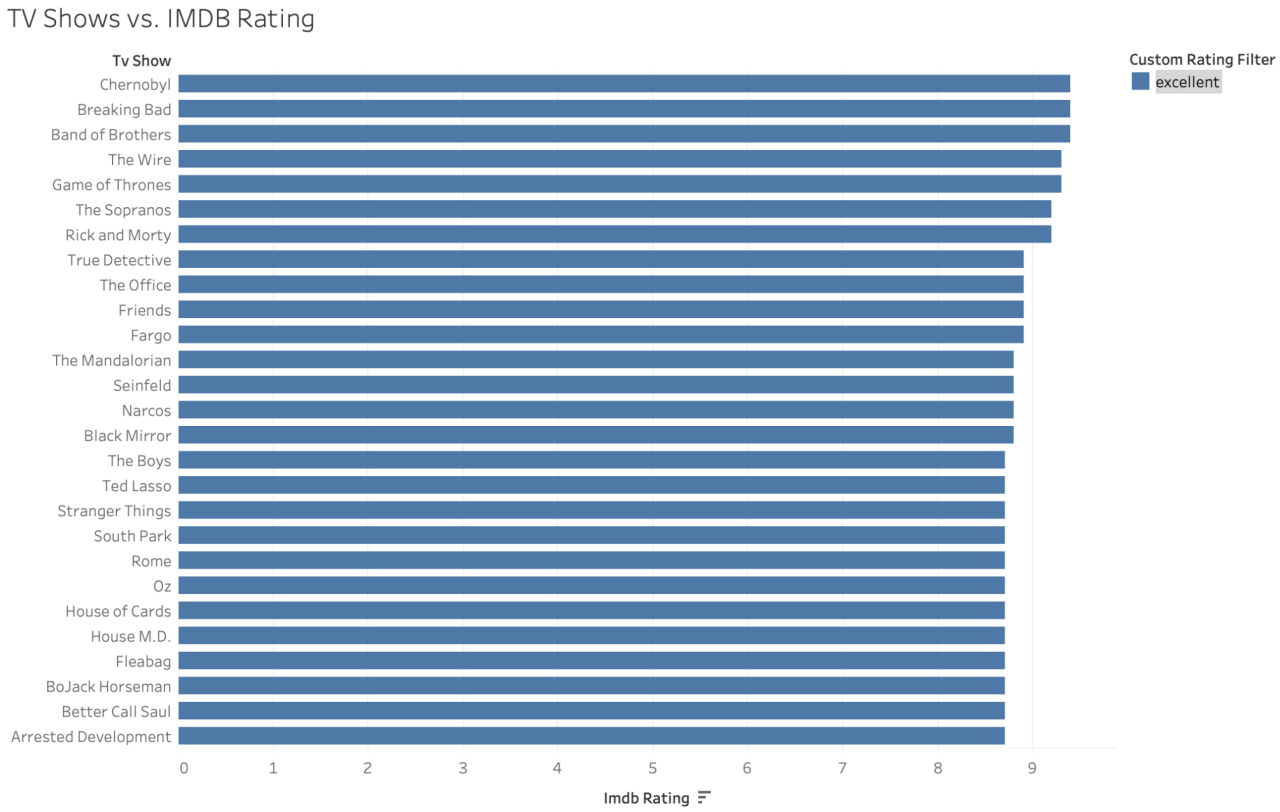
Column	Data Type
tv_show	categorical
season_years	quantitative
first_season_yr	quantitative
last_season_yr	quantitative
running_time_min	quantitative
genre	categorical
subgenre1	categorical
subgenre2	categorical
imdb_rating	quantitative
watched_yn	categorical

Dataset 2:

Column	Data Type
Smoothie	categorical
Calorie Count	quantitative
Calories From Fat	quantitative
Total Fat	quantitative
Total Protein	quantitative

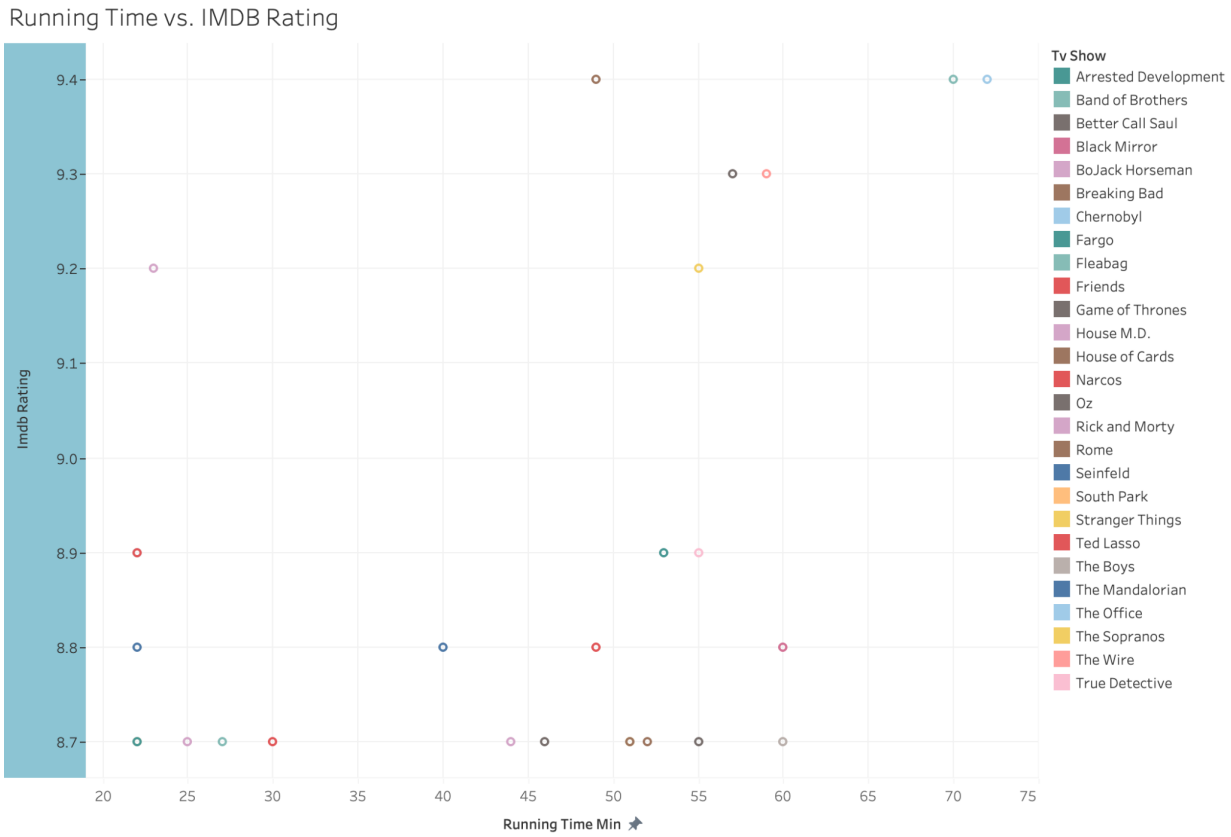
Part 2 - Recreating Tableau Dashboard

3 Workbooks and Final Dashboard



Sum of Imdb Rating for each Tv Show. Color shows details about Custom Rating Filter. The data is filtered on Action (Genre,Subgenre1,Subgenre2) and Action (Imdb Rating,Running Time Min,Tv Show). The Action (Genre,Subgenre1,Subgenre2) filter keeps 50 members. The Action (Imdb Rating,Running Time Min,Tv Show) filter keeps 100 members. The view is filtered on Custom Rating Filter, which keeps excellent.

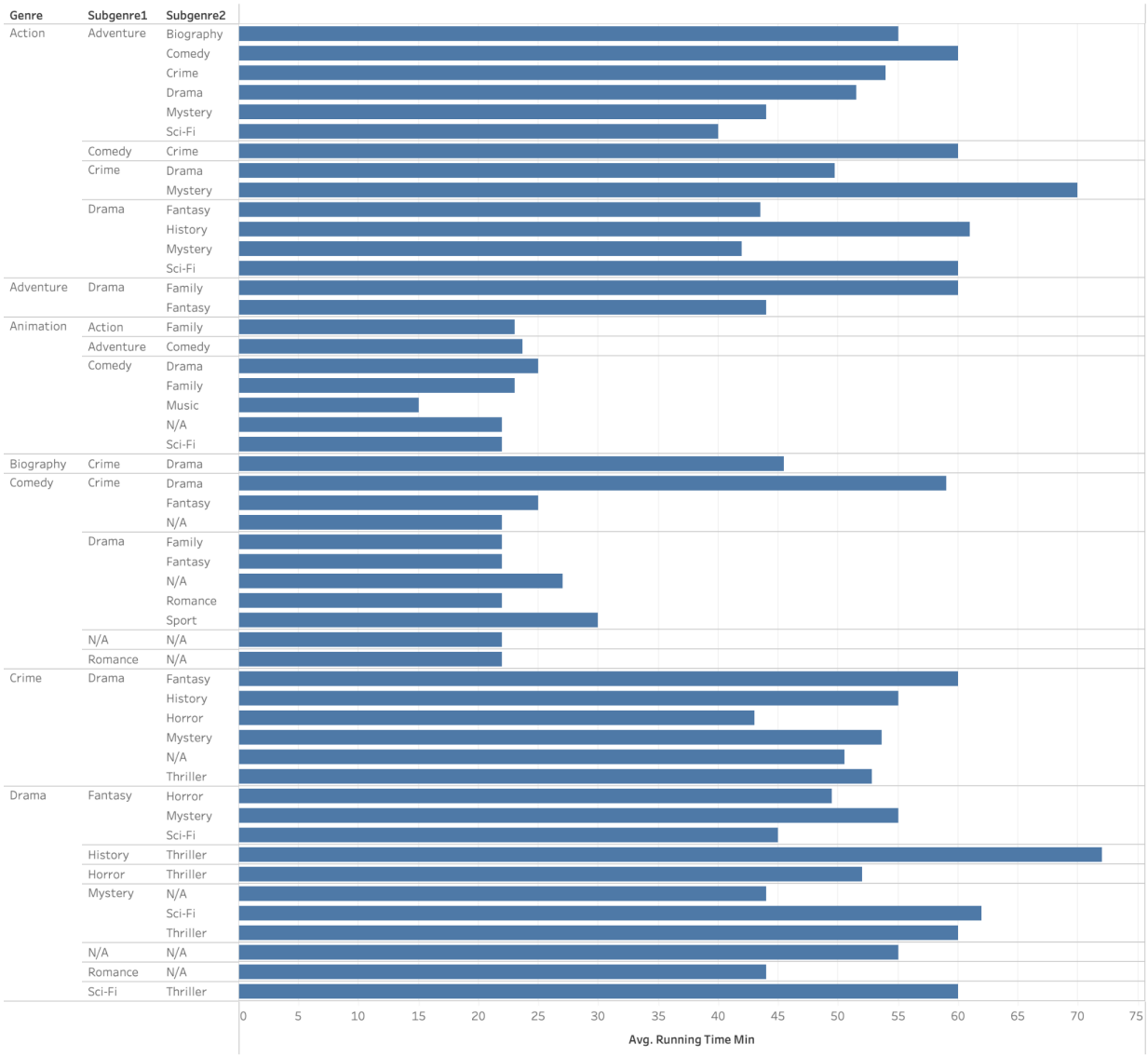
This is an interesting visualization because you can switch between “excellent”, “good”, and “okay” movies using the filter we created. By creating the filter, it makes it easier to look at all of the TV shows since it is now sorted by IMDB rating.



Running Time Min vs. Imdb Rating. Color shows details about Tv Show. The data is filtered on Custom Rating Filter and Action (Genre,Subgenre1,Subgenre2). The Custom Rating Filter filter keeps excellent. The Action (Genre,Subgenre1,Subgenre2) filter keeps 50 members.

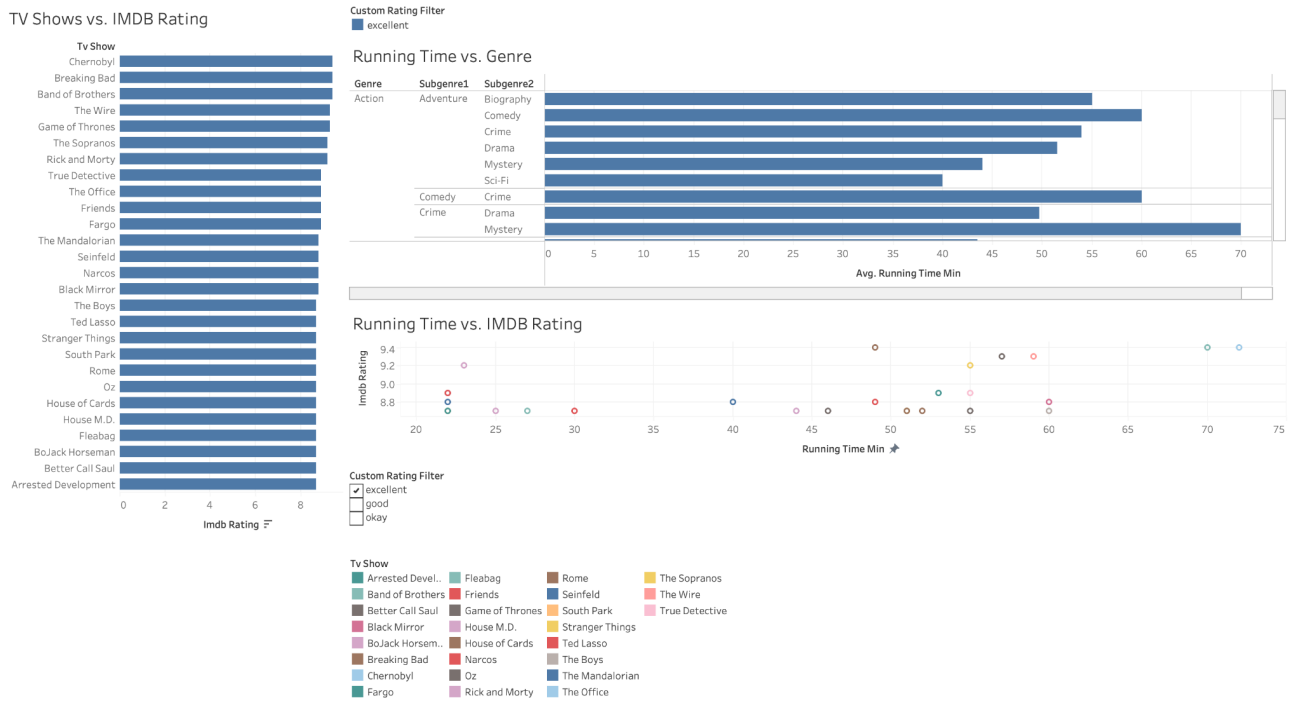
This visualization is another interesting one, as it shows the highest rated TV shows and their run time. It is interesting that longer TV shows still have high ratings. This visualization also utilizes the filter we created, so right now we are only looking at the “excellent” category of movies.

Running Time vs. Genre



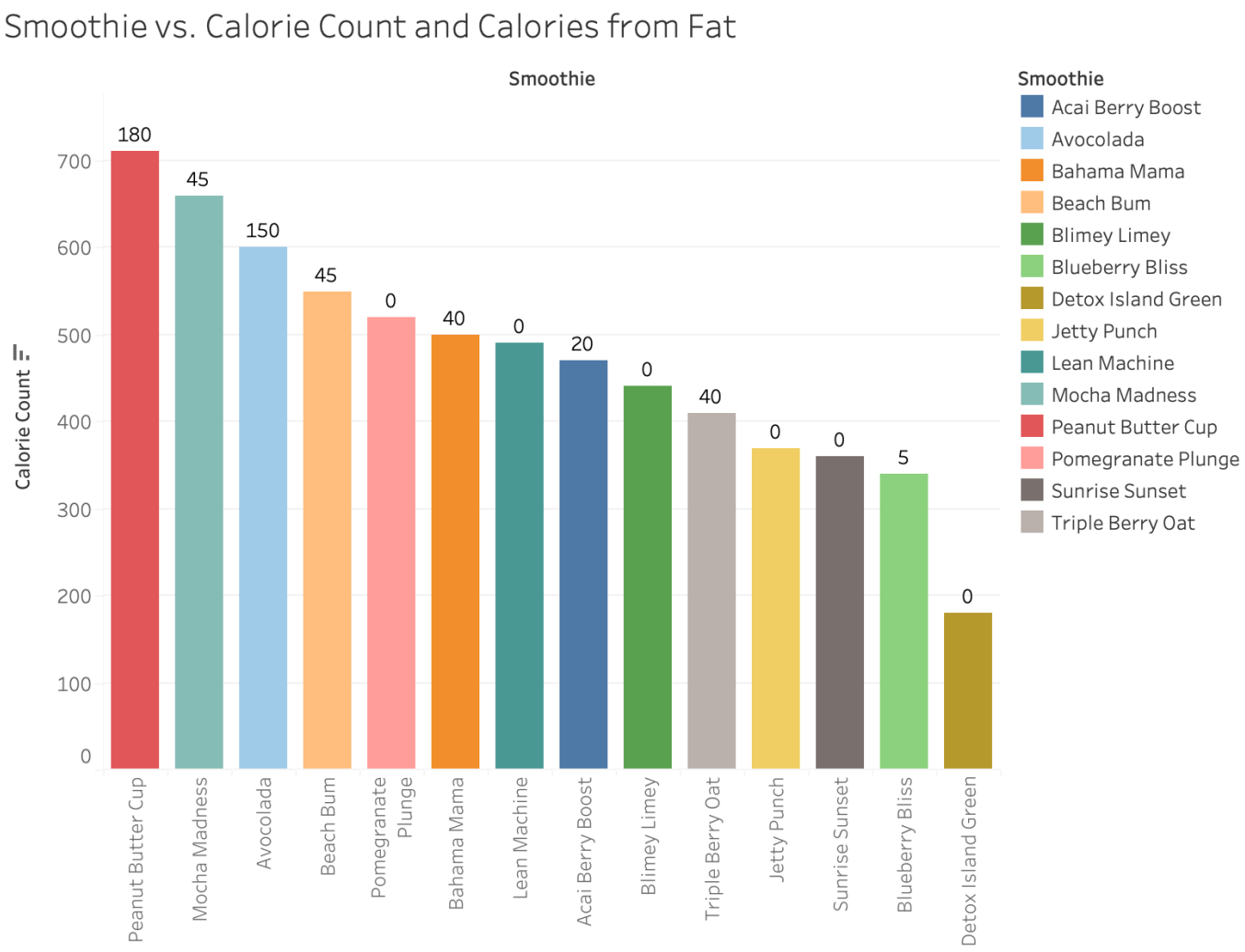
Average of Running Time Min for each Subgenre2 broken down by Genre and Subgenre1. The data is filtered on Custom Rating Filter, Action (Custom Rating Filter,Tv Show) and Action (Imdb Rating,Running Time Min,Tv Show). The Custom Rating Filter filter keeps excellent, good and okay. The Action (Custom Rating Filter,Tv Show) filter keeps 100 members. The Action (Imdb Rating,Running Time Min,Tv Show) filter keeps 100 members.

This is a more complex visualization because it utilizes the genre, as well as subgenre1 and subgenre2. It is interesting to see which combinations of genres have longer and shorter running times. Based on this graph, a drama TV show with sub genres history and thriller has the longest run time. An animation TV show with sub genres comedy and music has the shortest run time.



This dashboard incorporates all of the visualizations we created. It was fascinating to utilize the filter we created to manipulate all three graphs at once. If I wanted to see the Running Time vs. Genre and Running Time vs. IMDB Rating for one movie, I could click on the movie in one of the visualizations and would get the results in the other two visualizations. I am curious to see how Tableau can be used to show visualizations for larger datasets and more complex analysis.

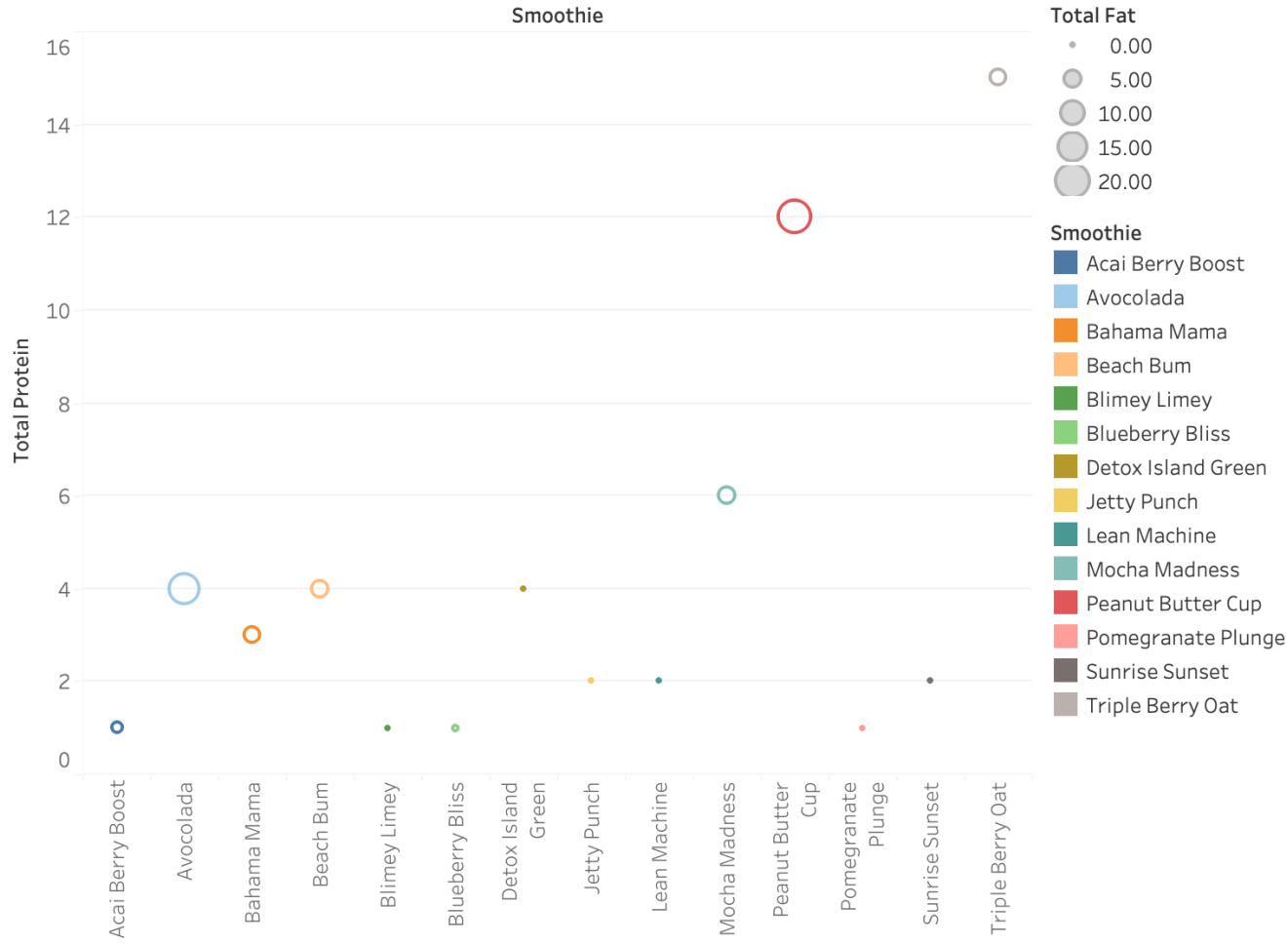
Part 3 - Exploring Tableau



Sum of Calorie Count for each Smoothie. Color shows details about Smoothie. The marks are labeled by sum of Calories From Fat.

I chose to visualize Smoothies vs. Calorie Count and Calories from Fat to easily see which smoothies have the highest calorie count. The labels on top of the bars also indicate the Calories from Fat. The graph is ordered in a way so that the highest calorie count is on the left, and it gets smaller as you go towards the right. This graph gives valuable insight to which smoothie you should drink if you are trying to keep your calories low. The Peanut Butter Cup has the highest amount of calories and the Detox Island Green has the lowest amount.

Smoothie vs. Total Protein and Total Fat



Sum of Total Protein for each Smoothie. Color shows details about Smoothie. Size shows sum of Total Fat.

I chose to visualize Smoothies vs. Total Protein and Total Fat because it depicts both the highest total protein in the smoothies, but also the total fat based on the size of the point. The bigger the point, the higher amount of fat is in the smoothie. This makes it easy to visualize whether or not a smoothie is good, because a smoothie could have high protein, but it may have high fat as well. For example, the Peanut Butter Cup smoothie has high protein, but since the size of the point is larger, this means the smoothie has high fat as well. However, the Triple Berry Oat has even higher protein than the Peanut Butter Cup, AND it has a smaller point, which means it has less fat.

Part 4 - Preparing for Service

1. The 7 Pro-tips shared in the video are as follows:
    - Know your schedule and be on time
    - Communicate, communicate, communicate
    - Follow the dress code
    - Ask questions
    - Be open to learning
    - Be friendly and respectful
    - Remember who you are

2. Asset-based community development is taking what already exists in a community and using it to create change. In other words, asset-based community development encourages people to see what assets and strengths already exist within a community and to build upon those existing factors. This will empower change from within the community and is not driving change from those primarily outside of the community.

3. Personally, I think Barbie's post is extremely distasteful and performative. Instead of focusing on the purpose of the trip, which is to help children in hospitals in Africa, she uses it as an opportunity to show herself as some sort of "savior". This is rude to the culture and community she is "helping" in Africa as it is completely disregarding them and their needs. She goes on to say taking selfies with the African children is an "art form" she has perfected. This is very performative and tone-deaf. Barbie does not realize that what she is doing is not a good thing, and is ultimately defaming her character.