

Part B

1a	<p>The “why” of this visualization is to discover the type of content each streaming service offers and to compare them to one another. This visualization can help potential customers discover what type of content is available on each service and can help them decide if a streaming service is worth it for their individual needs.</p>
1b	<p>For the Disney data, there are 4 visualizations which contain the disney data.</p> <p>First there is a line plot which is a type of Geometry with items and positions. The data types are items featuring the release year of content. The data itself is dynamic as new content is constantly added.</p> <p>Next there is a chart of boxplots which has a dataset type of table featuring items and attributes. The data types are items featuring the rating of the content. The data itself is dynamic as new content is constantly added.</p> <p>Next there is a bar chart which has a dataset type of table featuring items and attributes. The data types are items featuring the total number of content. The data itself is dynamic as new content is constantly added.</p> <p>Next there is another line plot which is a type of Geometry with items and positions. The data types are items featuring the date the content was added. The data itself is dynamic as new content is constantly added.</p> <p>Finally there is a circle plot which is a type of Geometry with items and positions. The data types are items featuring the category of content. The data itself is static as categories don't change.</p>
1c	<p><u>Line plot featuring the release year of the content.</u></p> <p>Plot type: line plot</p> <p>Marks: lines</p> <p>Channels: horizontal/vertical position, length, color</p> <p>Keys and Values: Two keys (Year on vertical axis and color of line) and One value (number of units on horizontal axis)</p> <p>Data encoding method: point+connection mark to express value</p> <p>Manipulate method: Navigate</p> <p>Facet method: Superimpose</p> <p>Effectiveness: This plot does follow the effectiveness principle as the data is ordered by year and is done so as the year is increasing as you move up the x axis in a logical order. The most important attribute of which provider is expressed through color which I think is the most effective channel.</p>

Bar chart featuring total shows and movies.

Plot type: bar chart

Marks: areas

Channels: horizontal/vertical position, area, color

Keys and Values: One key (service on horizontal axis) and One value (number of units on vertical axis)

Data encoding method: line marks, separate/align Key with horizontal position, express Value attribute with vertical position

Manipulate method: Select

Facet method: Superimpose

Effectiveness: This plot does follow the effectiveness principle as the data is unordered by service and is done so as the bars are ordered randomly. The most important attribute of which provider is expressed through color which I think is the most effective channel.

Circle plot featuring categories.

Plot type: circle plot

Marks: areas

Channels: area, color

Keys and Values: One key (separated regions for category based on color) and One value (size of the circle)

Data encoding method: area marks, separate key with horizontal/vertical position, express Value attribute with size

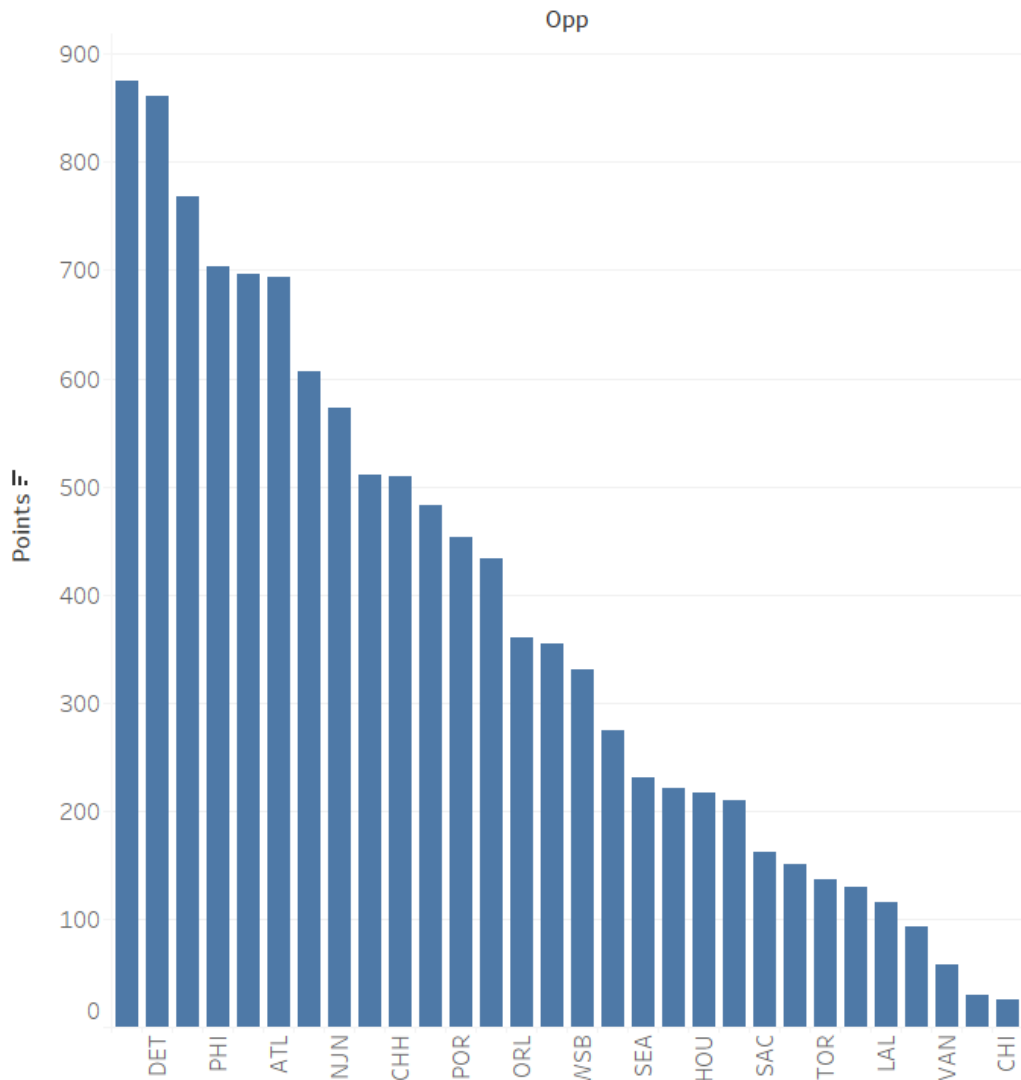
Manipulate method: Select

Facet method: Juxtapose

Effectiveness: This plot does follow the effectiveness principle as the data is unordered by category and is done so as the circles are ordered randomly. The most important attribute of which provider is expressed through color which I think is the most effective channel, however due to the large number of categories, it can be confusing especially based on the size of certain categories. The graph could either resize the circles or represent the data through a different visualization.

2a

MJ Points against Teams

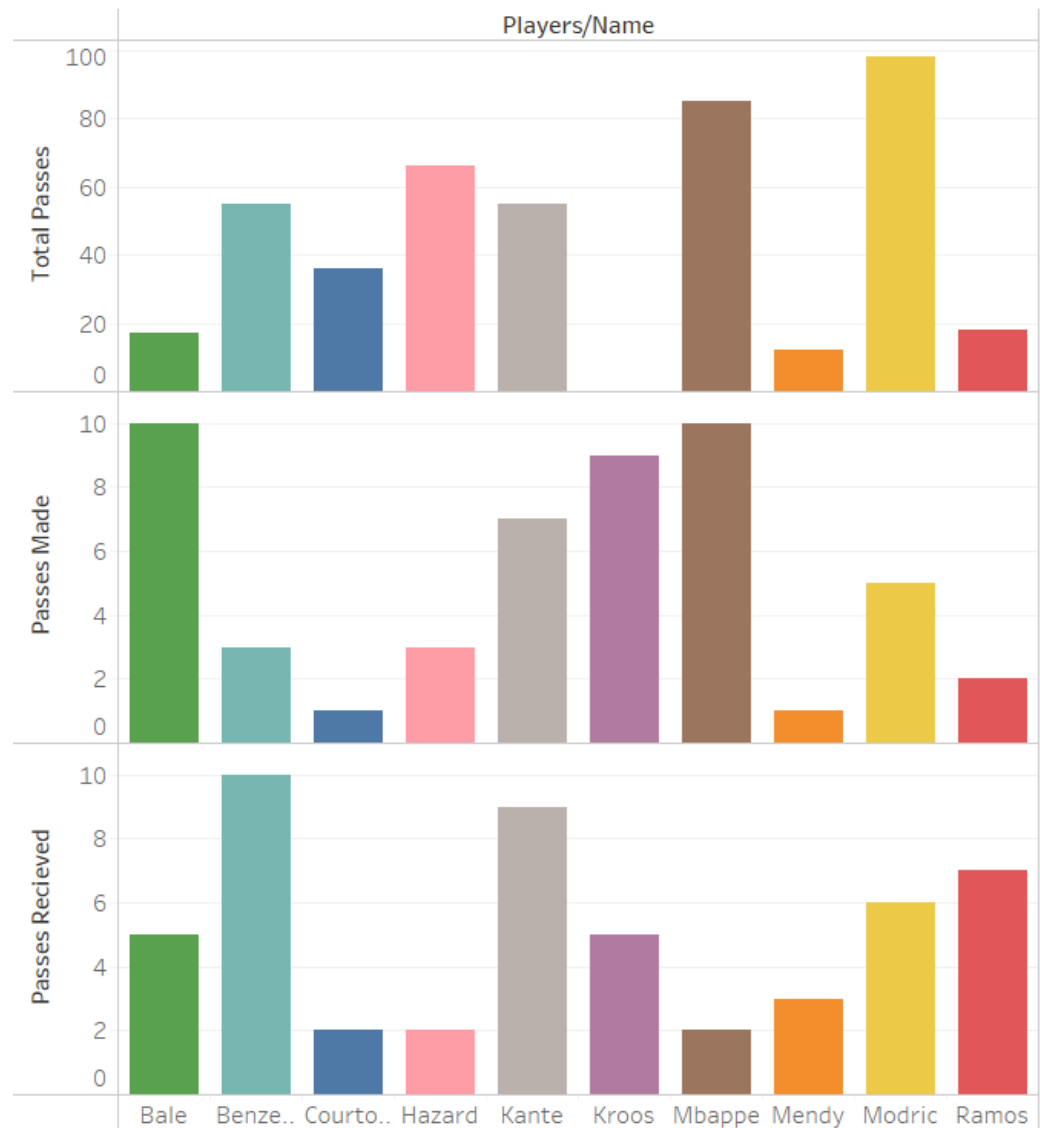


For the visualization I've chosen a histogram to represent it. It features the teams MJ has played against and the total number of points scored against each team. It's organized by number of points scored descending where the teams with the most points scored against come first. This could be a way to determine Jordan's favorite teams he has played against as teams where he scored the most teams against/ performed best against are most likely his favorite teams to play against.

Interactivity can be implemented where if you highlight over each bar, it can detail the exact points scored against. Other information such as the number of times Jordan has played against the team could also be displayed when hovering over the bars.

2b

Team Passes



For the visualization I have chosen a bar chart to represent it. There are three bar charts with each player and the number of passes they've made, received, and passes in total. This could be a good way to analyze passes between players as you can easily compare the players to one another.

Interactivity can be implemented where if you highlight over each bar, it can detail the exact number of passes. Other information such as who the pass was going to or who the pass came from could also be implemented. There could also be a feature to sort the bars from either ascending or descending.