<div align="center">**Information Visualization**</div>
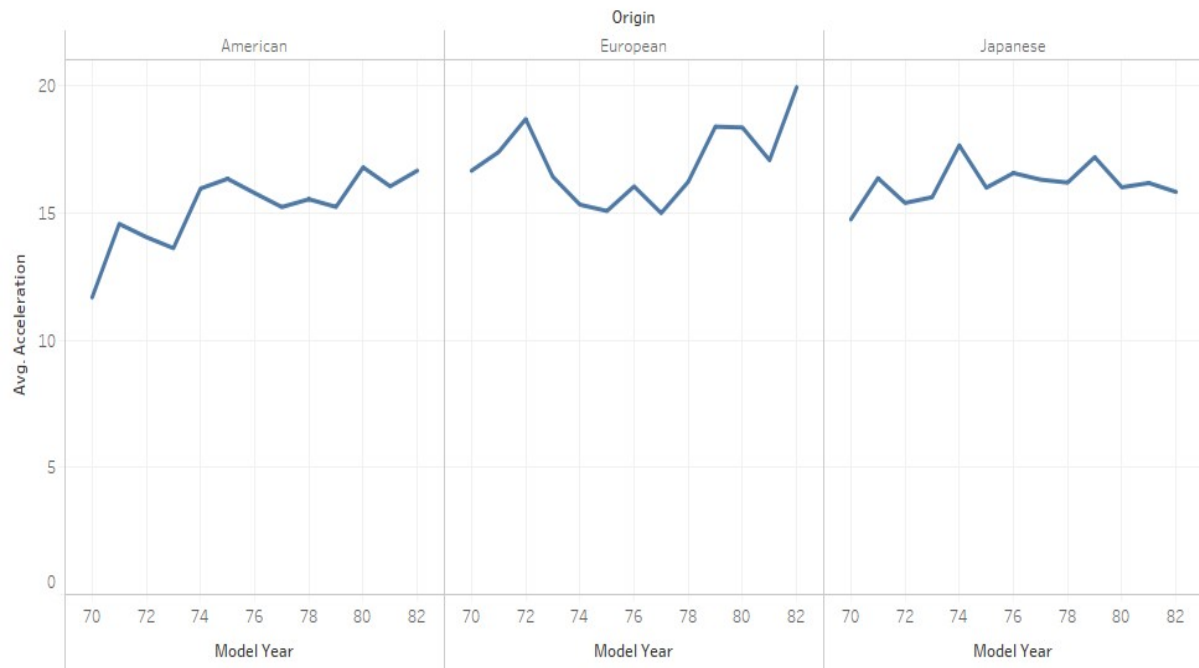
Project 1

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1. Dataset – Cars

Average Acelaration Region wise

In the above visualisation we can see European region cars have good acceleration when compared with America and Japanese. At beginning America started with least average acceleration but it picked well in later years and Japanese ended will low average acceleration.
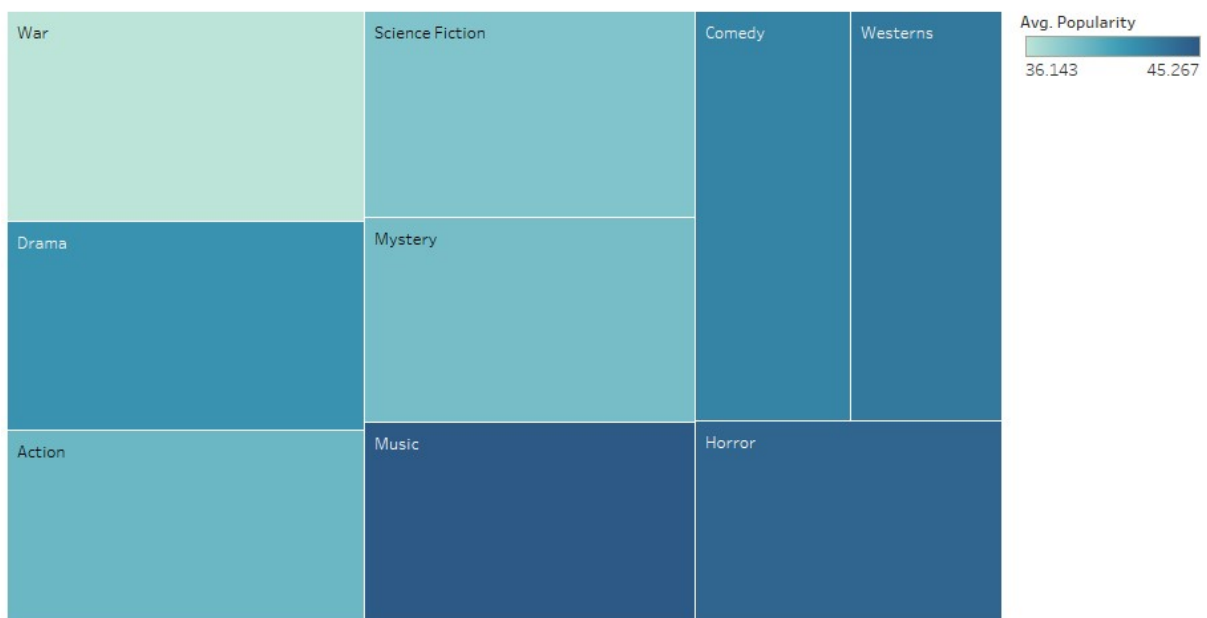
Average MPG vs Origin

The trend of average of MPG for Model Year. Colour shows details about Origin.

In the above figure we see that in terms of Average MPG Japanese region produce fuel efficient cars while America lags all the time.

2. Dataset – Films

Films Data based on popularity and length

Subject. Colour shows average of Popularity. Size shows average of Length. The marks are labelled by Subject.

From the above visualisation we can see that comedy and western genre films will less length are more popular than movies having large length are less popular war genre is best example.

3. Dataset – Cereals

Cereals With Avg Calories, Protein and Fat
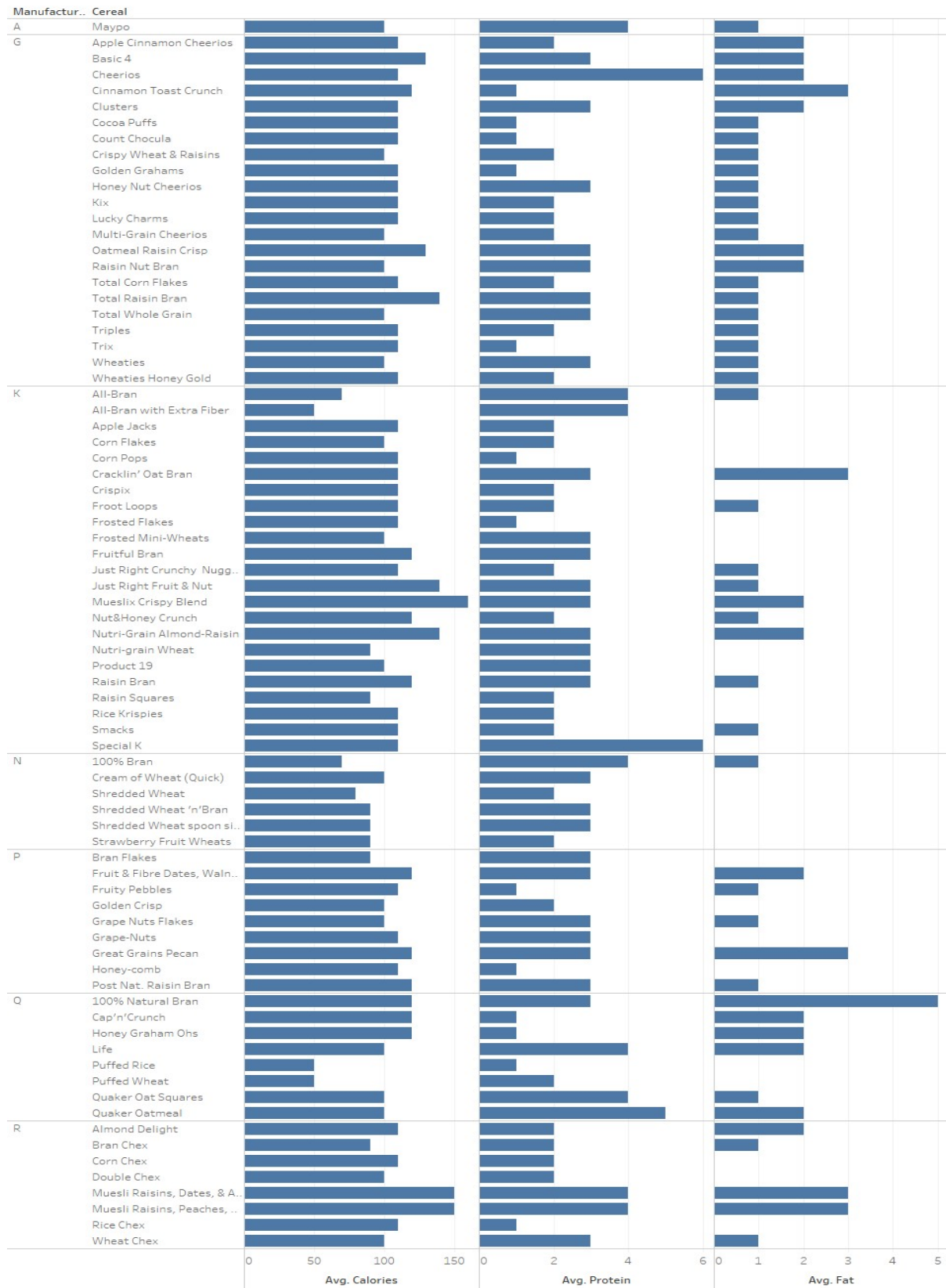
Average of Calories, average of Protein and average of Fat for each Cereal broken down by Manufacturer.

In the above visualisation for each manufacturer based on cereals that they produce we analyzed the average calories, protein and fat so based on that one can choose the item they need.
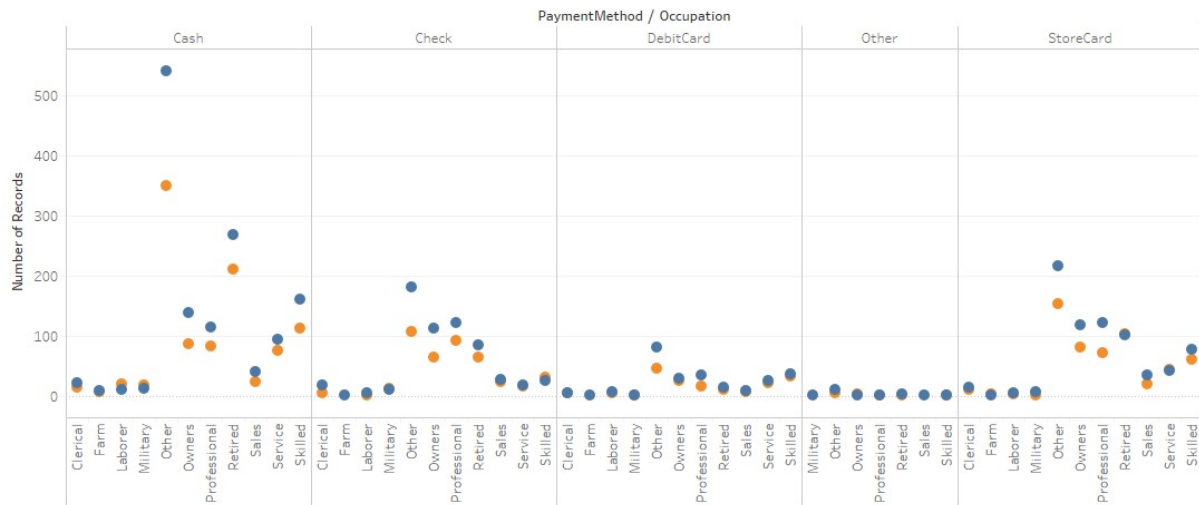
4. Dataset – Grocery Store

Avearge Income,
Average Purchase
by Gender
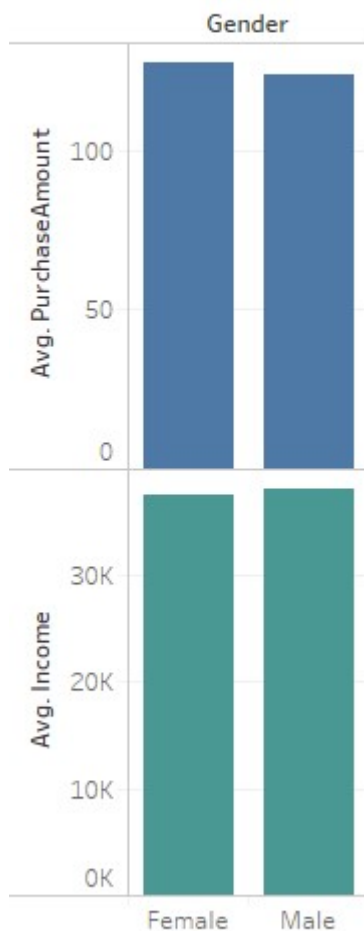
Average of PurchaseAmount and average of Income for each Gender.

Here in this visualisation we can see Average income of female gender is less and their average purchase amount is more when compare to male gender.
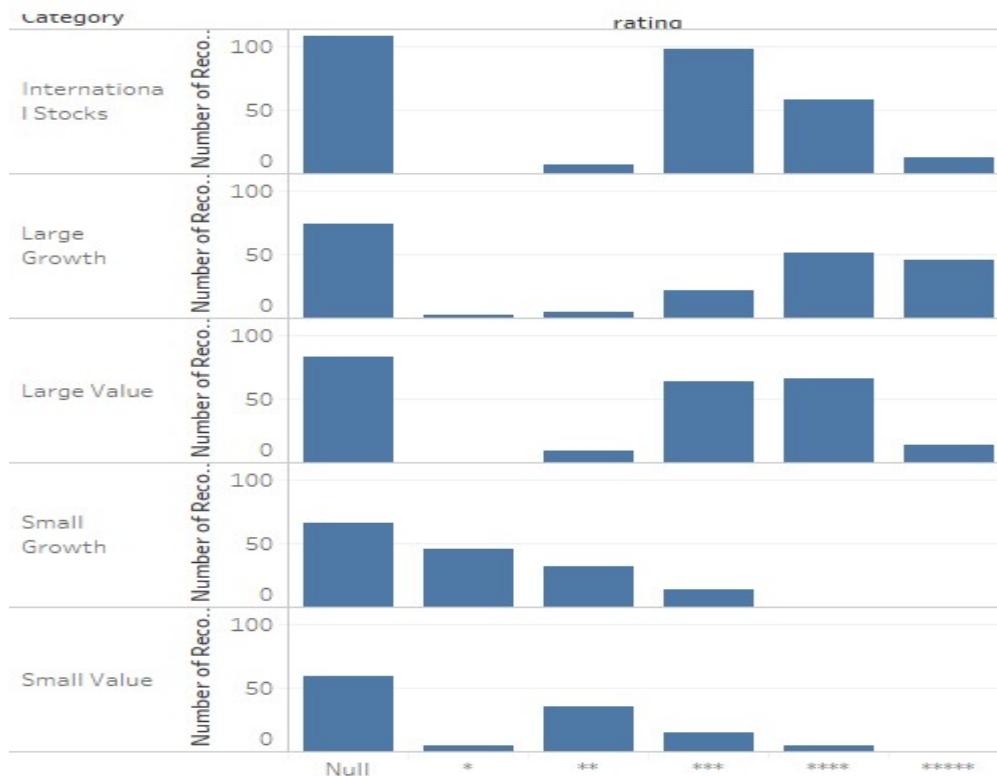
Payment Method Based On Ocuupation

Sum of Number of Records for each Occupation broken down by PaymentMethod. Colour shows details about Gender.

Gender
■ Female
■ Male

Here we classified based on their occupation, payment methods and by their gender. For any kind of payment we can see mostly used by the female gender.

5. Dataset – Mutual Funds

Category Wise Rating

Sum of Number of Records for each rating broken down by Category.

In the above visualisation based for each category divide the rating with each rating based on the total number of records. The international stocks having highest null rating and large growth category have highest ***** rating.

Average yield and Expense ratio on rating and category
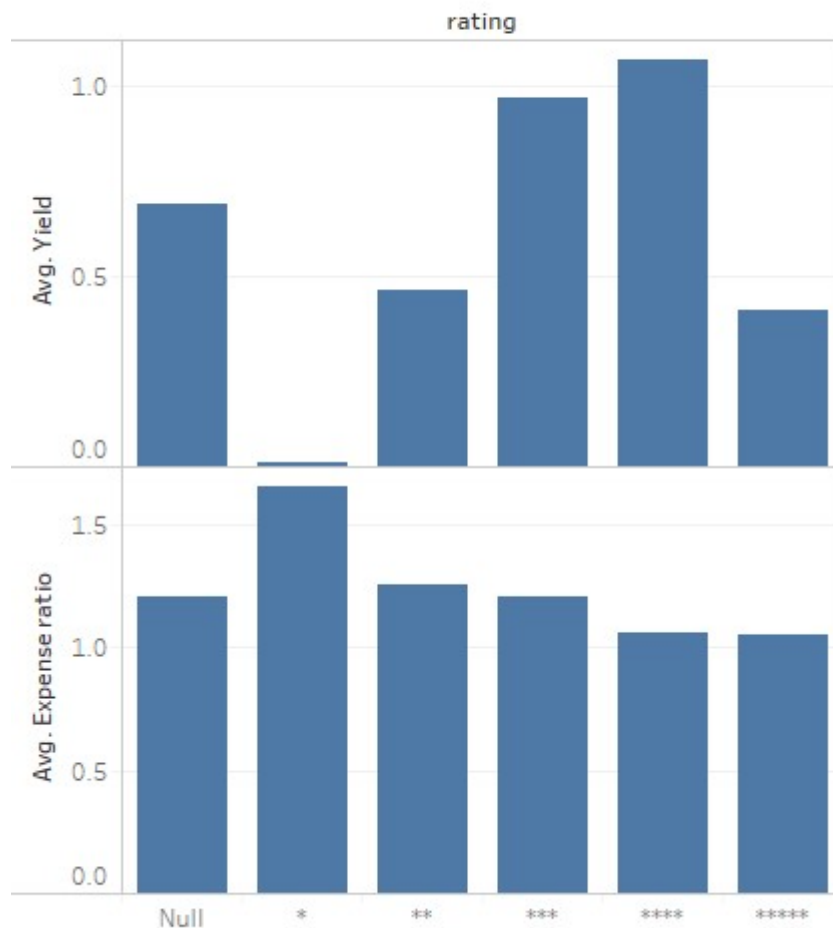
Average of Yield and average of Expense ratio for each rating.

In the above visualization average yield against the rating of the mutual funds. Here we can see that average yield is more for **** rating and average expense ratio is more for *.