

Project 2 (Presentation)

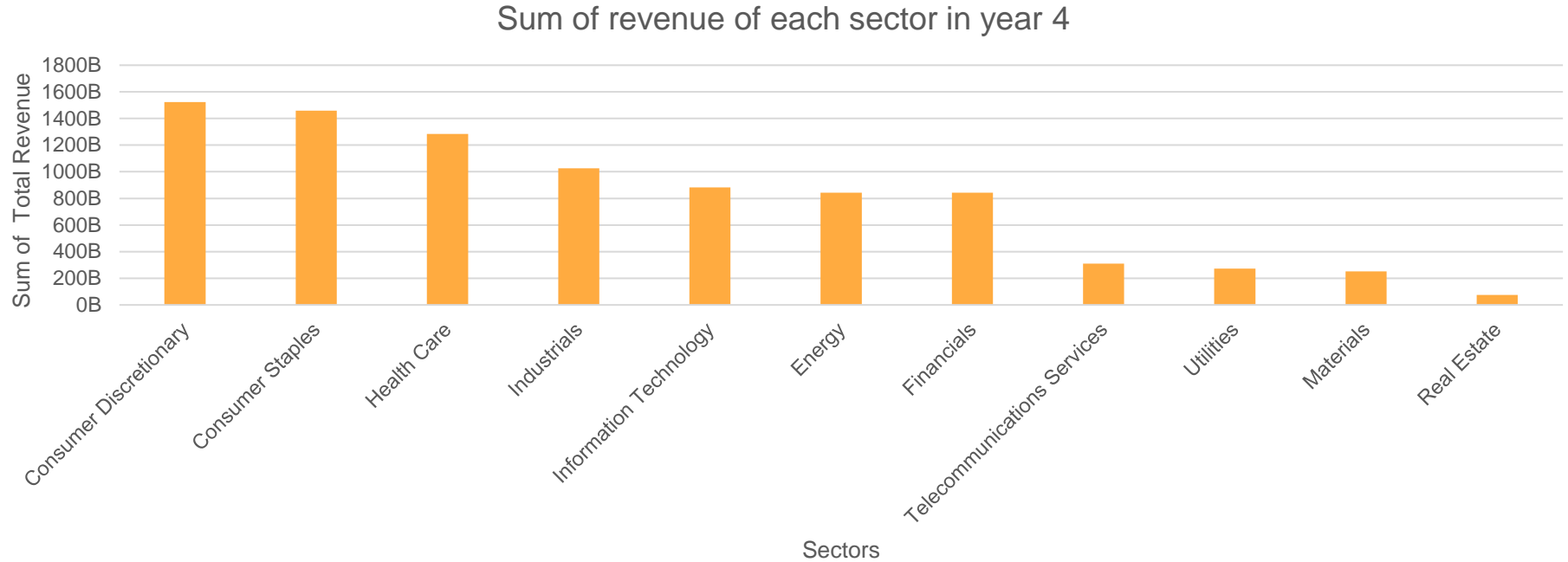
Analyze NYSE Data

by

Urmil Tamboli

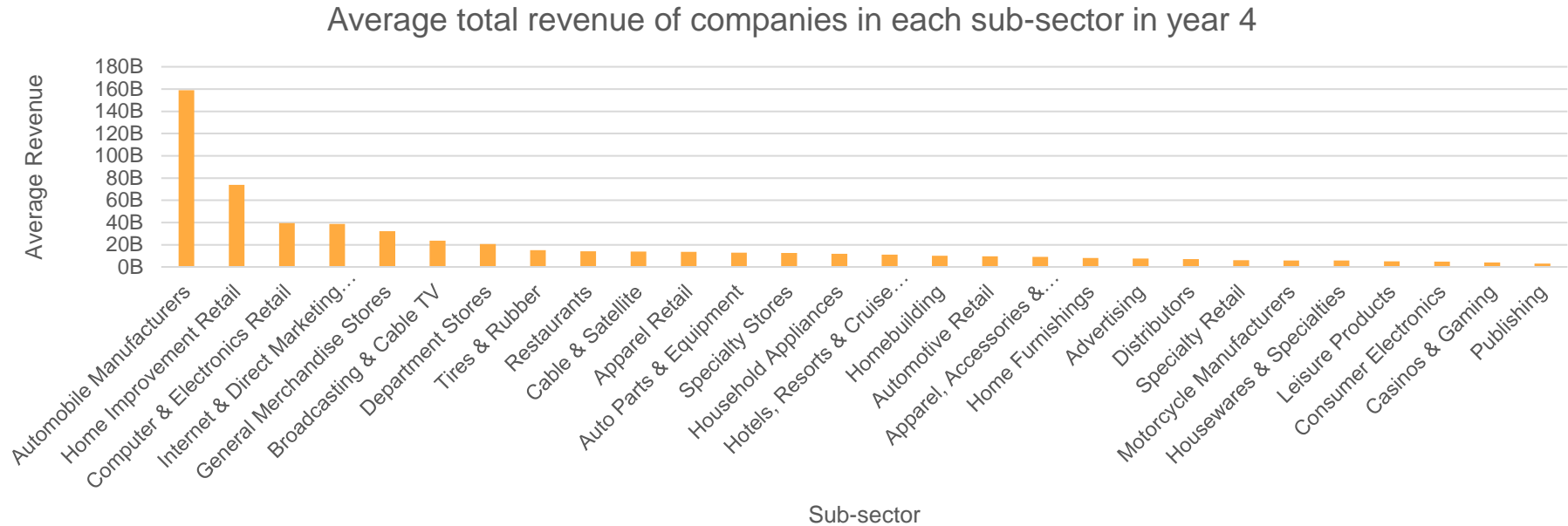
12th June, 2020

Which company has the highest revenue in Customer Discretionary in year 4?



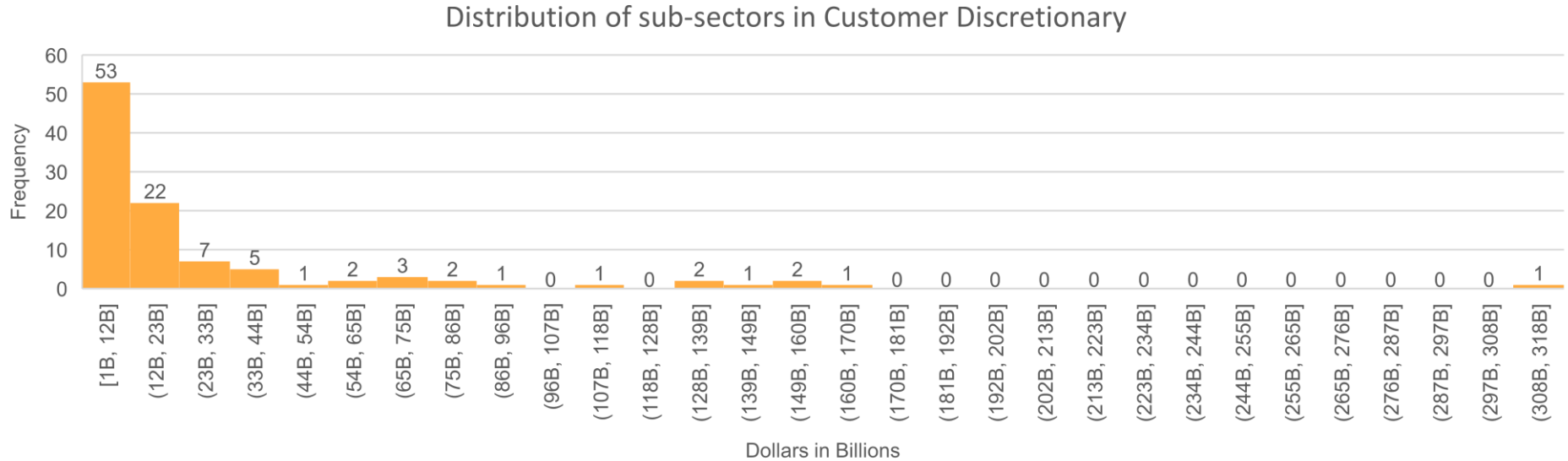
To find the company with highest revenue, first we'll find the sector which has the highest revenue in year 4. We can see that Customer Discretionary has the highest revenue in year 4. We'll further find which sub-sector has highest revenue in Customer Discretionary.

Which company has the highest revenue in Customer Discretionary in year 4?



We can see that Automobile Manufacturers has highest revenue in Customer Discretionary sector. We can see that the automobile industry has the average revenue of \$159B which is more than the average total revenue of all the companies in Customer Discretionary which is only \$21B. The median is \$12B which suggests that more than 50% of the companies in Customer Discretionary have average Total revenue of more than \$12B. Also, the Standard Deviation of \$30B which is greater than mean suggests that the data is widely spread over a wide range.

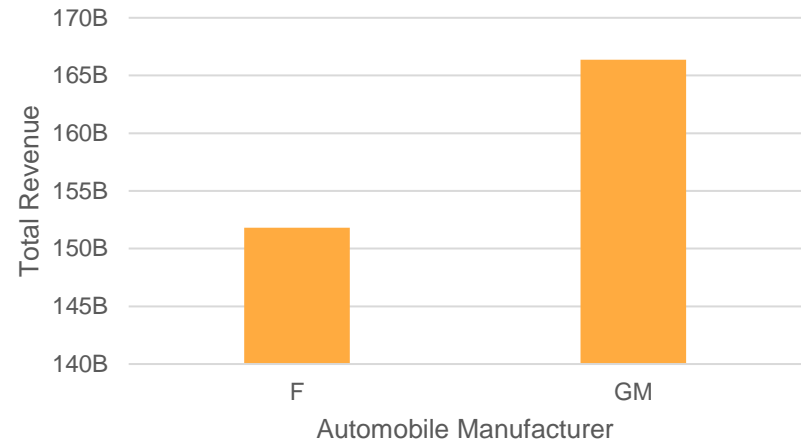
Which company has the highest revenue in Customer Discretionary in year 4?



From the above histogram of Customer Discretionary Sector, we can see that only one sub-sector has revenue between \$308B-\$318B. This seems like an outlier. On further statistics calculation, we find that the mean of the data is \$29B and Standard Deviation is \$46B. The greater standard deviation suggests that the data points are wide spread like the one shown in graph above which is between \$308B-\$318B.

Which company has the highest revenue in Customer Discretionary in year 4?

Row Labels	Sum of Total Revenue
Year 4	\$ 318,180,000,000
Consumer Discretionary	\$ 318,180,000,000
Automobile Manufacturers	\$ 318,180,000,000
F	\$ 151,800,000,000
GM	\$ 166,380,000,000
Grand Total	\$ 318,180,000,000



In this graph, we can see that, there are only two companies within the automobile manufacturer out of which, GM has the highest revenue. This answers our question. General Motors (GM) has the highest revenue in Customer Discretionary Sector.