Project: Analyzing the Impact of Car Features on Price and Profitability

Problem Statement:

The automotive industry has been rapidly evolving over the past few decades, with a growing focus on fuel efficiency, environmental sustainability, and technological innovation. With increasing competition among manufacturers and a changing consumer landscape, it has become more important than ever to understand the factors that drive consumer demand for cars.

In recent years, there has been a growing trend towards electric and hybrid vehicles and increased interest in alternative fuel sources such as hydrogen and natural gas. At the same time, traditional gasoline-powered cars remain dominant in the market, with varying fuel types and grades available to consumers.

For the given dataset, as a Data Analyst, the client has asked How can a car manufacturer optimize pricing and product development decisions to maximize profitability while meeting consumer demand?

This problem could be approached by analyzing the relationship between a car's features, market category, and pricing, and identifying which features and categories are most popular among consumers and most profitable for the manufacturer. By using data analysis techniques such as regression analysis and market segmentation, the manufacturer could develop a pricing strategy that balances consumer demand with profitability, and identify which product features to focus on in future product development efforts. This could help the manufacturer improve its competitiveness in the market and increase its profitability over time.

Approach:

In this project we performed various tasks on dataset are as follows:

- 1. Analysed data
- 2. Performed data cleaning
- 3. Handled missing values
- 4. Removed duplicates

Tech Task Used:

Pivot Tables:

- **Purpose:** Summarize, analyze, explore, and present data.
- How to Use:
 - 1. Select your data range.
 - 2. Go to the "Insert" tab.
 - 3. Click on "PivotTable".

- 4. Choose the data range and the location for the PivotTable.
- 5. Drag and drop fields into the **Rows**, **Columns**, **Values**, and **Filters** areas to create your report.

Charts:

- **Purpose:** Visualize data trends and patterns.
- How to Use:
 - 1. Select the data you want to chart.
 - 2. Go to the "Insert" tab.
 - 3. Choose the type of chart you need from options like **Column**, **Line**, **Pie**, **Bar**, **Scatter**, and more.
 - 4. Customize the chart using the **Chart Tools** that appear on the Ribbon.

Tasks: Analysis

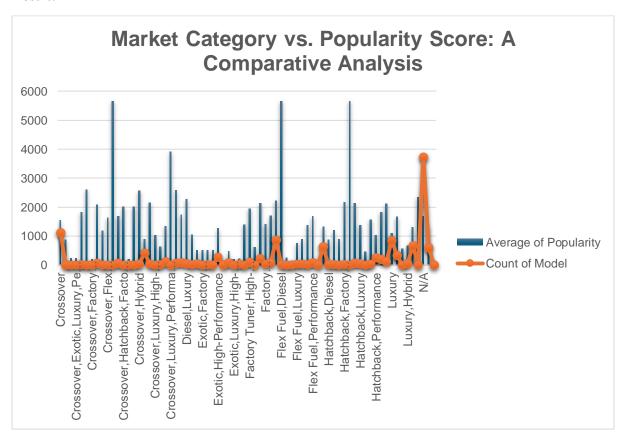
Before diving into the analysis of the given dataset, it is important to perform thorough data cleaning to ensure accurate and reliable results. You need to build an interactive dashboard in Excel from the tasks given below:

Task 1.A: Create a pivot table that shows the number of car models in each market category and their corresponding popularity scores.

| Row Labels | Average of Popularity | Count of Model |
|--|--------------------------|-------------------|
| Crossover | 1545.263063 | 1110 |
| Crossover, Diesel | 873 | 7 |
| Crossover, Exotic, Luxury, High-Performance | 238 | 1 |
| Crossover, Exotic, Luxury, Performance | 238 | 1 |
| Crossover, Factory Tuner, Luxury, High-Performance | 1823.461538 | 26 |
| Crossover, Factory Tuner, Luxury, Performance | 2607.4 | 5 |
| Crossover, Factory Tuner, Performance | 210 | 4 |
| Crossover,Flex Fuel | 2073.75 | 64 |
| Crossover,Flex Fuel,Luxury | 1173.2 | 10 |
| Crossover, Flex Fuel, Luxury, Performance | 1624 | 6 |
| Crossover, Flex Fuel, Performance | 5657 | 6 |
| Crossover, Hatchback | 1675.694444 | 72 |
| Crossover, Hatchback, Factory Tuner, Performance | 2009 | 6 |
| Crossover, Hatchback, Luxury | 204 | 7 |
| Crossover, Hatchback, Performance | 2009 | 6 |
| Crossover, Hybrid | 2563.380952 | 42 |
| Crossover,Luxury | 884.5487805 | 410 |
| Crossover,Luxury,Diesel | 2149.411765 | 34 |
| Crossover,Luxury,High-Performance | 1037.222222 | 9 |
| Crossover,Luxury,Hybrid | 630.9166667 | 24 |
| Crossover,Luxury,Performance | 1344.849558 | 113 |
| Crossover,Luxury,Performance,Hybrid | 3916 | 2 |

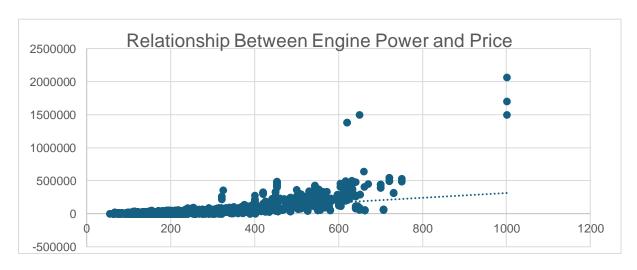
| Crasseviar Danfarmania | 2505 050522 | 60 |
|--|---------------------|------------|
| Crossover, Performance | 2585.956522 | 69 |
| Diesel Luxun | 1730.904762 | 84 |
| Diesel, Luxury | 2275 1046.380952 | 51 21 |
| Exotic, Factory Tuner, High-Performance | | 52 52 |
| Exotic, Factory Tuner, Luxury, High-Performance | 517.5384615 520 | _ |
| Exotic, Factory Tuner, Luxury, Performance | 520 | 3 13 |
| Exotic, Flex Fuel Lywyn, High Performance | 520 | 11 |
| Exotic,Flex Fuel,Luxury,High-Performance | 1271.333333 | 261 |
| Exotic,High-Performance Exotic,Luxury | 112.6666667 | 12 |
| Exotic, Luxury, High-Performance | 467.0759494 | 79 |
| | 204 | 1 |
| Exotic,Luxury,High-Performance,Hybrid | 217.0277778 | 36 |
| Exotic, Luxury, Performance | | |
| Exotic, Performance | 1391 | 10 |
| Factory Tuner, High-Performance | 1941.415094 | 106 |
| Factory Tuner Luxury | 617 | 2 215 |
| Factory Tuner, Luxury, High-Performance | 2133.367442 | _ |
| Factory Tuner, Luxury, Performance | 1413.419355 | 31 |
| Factory Tuner,Performance Flex Fuel | 1695.695652 | 92 872 |
| | 2217.302752 | _ |
| Flex Fuel Fostory Types Lyvyny High Performance | 5657 | 16 |
| Flex Fuel, Factory Tuner, Luxury, High-Performance | 258 | 1 2 |
| Flex Fuel Lynnia | 155 | 39 |
| Flex Fuel, Luxury | 746.5384615 | |
| Flex Fuel, Luxury, High-Performance | 878.9090909 | 33 |
| Flex Fuel, Luxury, Performance | 1380.071429 | 28 |
| Flex Fuel, Performance | 1680.471264 | 87 |
| Flex Fuel, Performance, Hybrid Hatchback | 1219 965925 | 2 641 |
| | 1318.865835 | _ |
| Hatchback, Diesel | 1205 152846 | 14 |
| Hatchback, Factory Tuner, High-Performance | 1205.153846 | 13 |
| Hatchback, Factory Tuner, Luxury, Performance | 886.8888889 | 9 |
| Hatchback, Factory Tuner, Performance | 2159.045455 | 22 7 |
| Hatchback, Flex Fuel | 5657 2121.25 | |
| Hatchback, Hybrid | | 72 |
| Hatchback, Luxury | 1379.5 | 46 |
| Hatchback, Luxury, Hybrid | 454 | 3 |
| Hatchback, Luxury, Performance | 1566.131579 | 38 |
| Hatchback,Performance | 1039.646825 | 252 |
| High-Performance | 1821.447236 | 199 |
| Hybrid | 2105.569106 | 123 |
| Luxury | 1102.65731 | 855 |
| Luxury, High-Performance | 1668.017964 | 334 |
| Luxury,High-Performance,Hybrid | 568.8333333 | 12 |
| Luxury, Hybrid | 673.6346154 | 52 673 |
| Luxury,Performance | 1292.615156 | 673 |
| Luxury,Performance,Hybrid | 2333.181818 | 11 2742 |
| N/A Porformance | 1676.889364 | 3742 |
| Performance | 1348.873544 | 601 |
| Performance, Hybrid | 155 | 11014 |
| Grand Total | 1554.911197 | 11914 |

Task 1.B: Create a combo chart that visualizes the relationship between market category and popularity.



Insight Required: The maximum average of popularity is of flex fuel, disel and maximum count of model is of N/A.

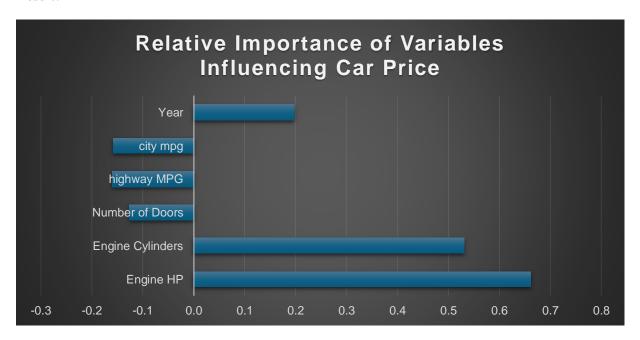
Insight Required: What is the relationship between a car's engine power and its price? **Task 2:** Create a scatter chart that plots engine power on the x-axis and price on the y-axis. Add a trendline to the chart to visualize the relationship between these variables.



Insight Required: As the car's engine power is increases the price also will be increases.

Task 3: Use regression analysis to identify the variables that have the strongest relationship with a car's price. Then create a bar chart that shows the coefficient values for each variable to visualize their relative importance.

Result:



| | Engine HP | Engine Cylinders | Number of Doors | highway MPG | city mpg | Year | |
|------|-----------|------------------|-----------------|-------------|----------|------|-----|
| MSRP | 0.7 | 0.5 | -0.1 | -0.2 | -0.2 | | 0.2 |

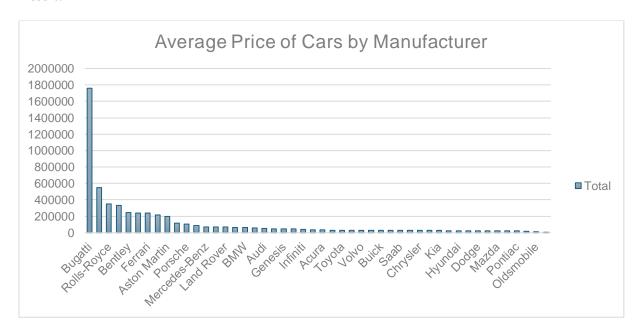
Insight Required: From the above graph it is clearly shown that the most important feature in determining a car's price are Engine HP followed by Engine Cylinders and Year.

Task 4.A: Create a pivot table that shows the average price of cars for each manufacturer.

| Row Labels | Average of MSRP |
|--------------|-----------------|
| Bugatti | 1757223.667 |
| Maybach | 546221.875 |
| Rolls-Royce | 351130.6452 |
| Lamborghini | 331567.3077 |
| Bentley | 247169.3243 |
| McLaren | 239805 |
| Ferrari | 238218.8406 |
| Spyker | 213323.3333 |
| Aston Martin | 197910.3763 |
| Maserati | 114207.7069 |

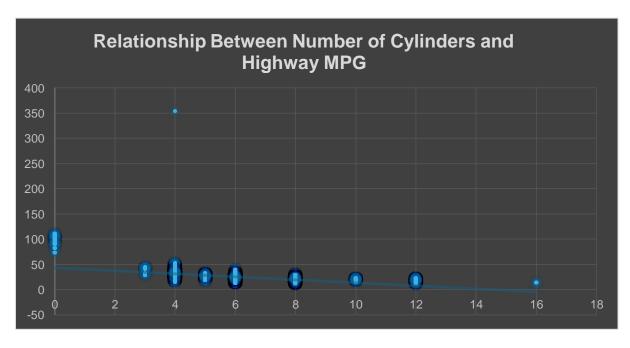
| Grand Total | 40594.73703 |
|--------------------|-------------|
| Plymouth | 3122.902439 |
| Oldsmobile | 11542.54 |
| Suzuki | 17907.20798 |
| Pontiac | 19321.54839 |
| Scion | 19932.5 |
| Mazda | 20039.38298 |
| Mitsubishi | 21240.53521 |
| Dodge | 22390.05911 |
| FIAT | 22670.24194 |
| Hyundai | 24597.0363 |
| Subaru | 24827.50391 |
| Kia | 25310.17316 |
| Honda | 26674.34076 |
| Chrysler | 26722.96257 |
| Ford | 27399.26674 |
| Saab | 27413.5045 |
| Volkswagen | 28102.38072 |
| Buick | 28206.61224 |
| Chevrolet | 28350.38557 |
| Volvo | 28541.16014 |
| Nissan | 28583.4319 |
| Toyota | 29030.01609 |
| GMC | 30493.29903 |
| Acura | 34887.5873 |
| HUMMER | 36464.41176 |
| Infiniti | 42394.21212 |
| Lincoln | 42839.82927 |
| Genesis | 46616.66667 |
| Lexus | 47549.06931 |
| Audi | 53452.1128 |
| Cadillac | 56231.31738 |
| BMW | 61546.76347 |
| Alfa Romeo | 61600 |
| Land Rover | 67823.21678 |
| Lotus | 69188.27586 |
| Mercedes-Benz | 71476.22946 |
| Tesla | 85255.55556 |
| Porsche | 101622.3971 |

Task 4.B: Create a bar chart or a horizontal stacked bar chart that visualizes the relationship between manufacturer and average price.



Insight Required: The average price of a car vary across different manufacturers on large where the Bugatti has highest 1757223.667 followed by Maybach and Rolls-Royce.

Task 5.A: Create a scatter plot with the number of cylinders on the x-axis and highway MPG on the y-axis. Then create a trendline on the scatter plot to visually estimate the slope of the relationship and assess its significance.



Task 5.B: Calculate the correlation coefficient between the number of cylinders and highway MPG to quantify the strength and direction of the relationship.

Coefficient -0.6

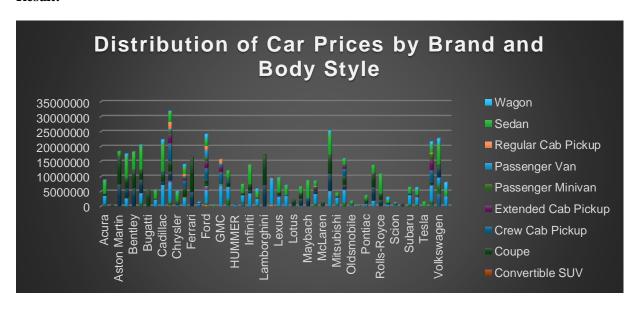
Insight Required: -0.6 is the relationship between fuel efficiency and the number of cylinders in a car's engine that is Negative Relationship.

Building the Dashboard:

Now for the Next portion of the Project, you need to create the Interactive Dashboard. Use filters and slicers to make the chart interactive. The client has requested these questions given below:

Task 1: How does the distribution of car prices vary by brand and body style?

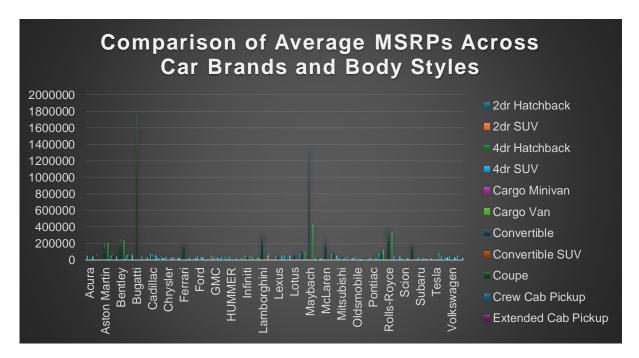
Hints: Stacked column chart to show the distribution of car prices by brand and body style. Use filters and slicers to make the chart interactive. Calculate the total MSRP for each brand and body style using SUMIF or Pivot Tables.



Task 2: Which car brands have the highest and lowest average MSRPs, and how does this vary by body style?

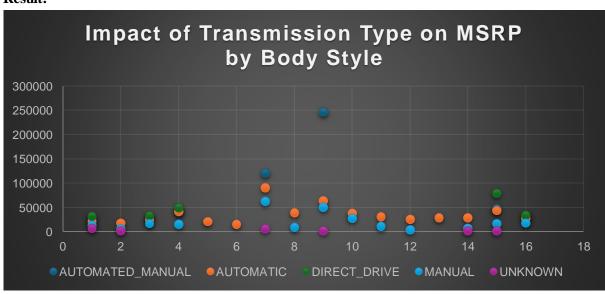
Hints: Clustered column chart to compare the average MSRPs across different car brands and body styles. Calculate the average MSRP for each brand and body style using AVERAGEIF or Pivot Tables.

Result:



Task 3: How do the different feature such as transmission type affect the MSRP, and how does this vary by body style?

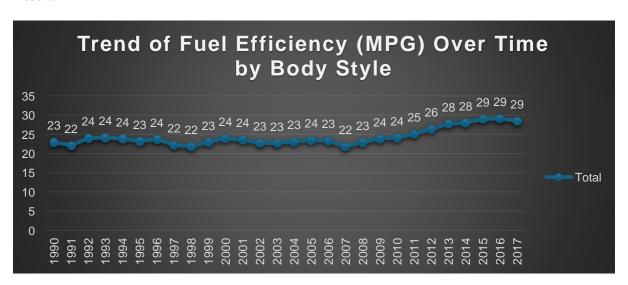
Hints: Scatter plot chart to visualize the relationship between MSRP and transmission type, with different symbols for each body style. Calculate the average MSRP for each combination of transmission type and body style using AVERAGEIFS or Pivot Tables.



| Sum of MSRP | Column Labels | | | | | |
|---------------|----------------------|---------------|------------------|-------------------|-------------|----------------|
| Row Labels | AUTOMATED_MANU AL | AUTOMATI C | DIRECT_DRI VE | MANUA L | UNKNOW N | Grand Total |
| 2dr Hatchback | 1549315 | 2615808 | 95400 | 4259817 | 14723 | 8535063 |
| 2dr SUV | | 819069 | | 567343 | 9484 | 1395896 |
| 4dr Hatchback | 1579450 | 8389455 | 1213590 | 4556953 | | 15739448 |
| | | | | | | 10056961 |
| 4dr SUV | 1051730 | 97733282 | 149400 | 1635205 | | 7 |
| Cargo Minivan | | 1485390 | | | | 1485390 |
| Cargo Van | | 1451621 | | | | 1451621 |
| | 46060647 | 20454462 | | 1995448 | 44567 | 66700050 |
| Convertible | 16369647 | 30454162 | | 2 | 11567 | 66789858 |
| Convertible | | 311404 | | 102006 | | E0E300 |
| SUV | | 311404 | | 193896 2928093 | | 505300 |
| Coupe | 31239133 | 31812649 | | 2920093 | 4000 | 92336718 |
| Crew Cab | 31239133 | 31012049 | | U | 4000 | 92330718 |
| Pickup | | 24269438 | | 1077700 | | 25347138 |
| Extended Cab | | | | | | |
| Pickup | | 11213270 | | 2797238 | | 14010508 |
| Passenger | | | | | | |
| Minivan | | 10617898 | | 66080 | | 10683978 |
| Passenger Van | | 3713946 | | | | 3713946 |
| Regular Cab | | | | | | |
| Pickup | | 4537355 | | 1700499 | 16000 | 6253854 |
| | | | | | | 11969706 |
| Sedan | 9927230 | 98436743 | 1590245 | 9740844 | 2000 | 2 |
| Wagon | 575735 | 11956512 | 171250 | 2426803 | | 15130300 |
| | | | | 7825779 | | 48364569 |
| Grand Total | 62292240 | 339818002 | 3219885 | 6 | 57774 | 7 |

Task 4: How does the fuel efficiency of cars vary across different body styles and model years?

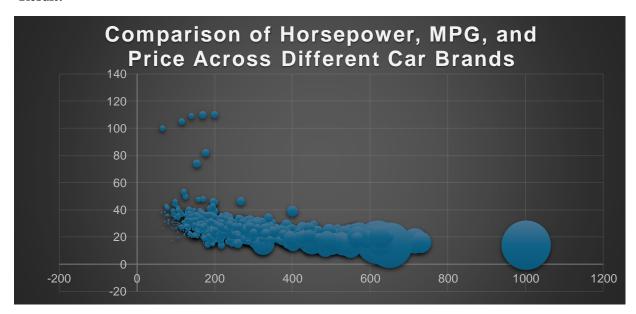
Hints: Line chart to show the trend of fuel efficiency (MPG) over time for each body style. Calculate the average MPG for each combination of body style and model year using AVERAGEIFS or Pivot Tables.



| Row Labels | Average of highway MPG |
|--------------------|------------------------|
| 1990 | 23 |
| 1991 | 22 |
| 1992 | 24 |
| 1993 | 24 |
| 1994 | 24 |
| 1995 | 23 |
| 1996 | 24 |
| 1997 | 22 |
| 1998 | 22 |
| 1999 | 23 |
| 2000 | 24 |
| 2001 | 24 |
| 2002 | 23 |
| 2003 | 23 |
| 2004 | 23 |
| 2005 | 24 |
| 2006 | 23 |
| 2007 | 22 |
| 2008 | 23 |
| 2009 | 24 |
| 2010 | 24 |
| 2011 | 25 |
| 2012 | 26 |
| 2013 | 28 |
| 2014 | 28 |
| 2015 | 29 |
| 2016 | 29 |
| 2017 | 29 |
| Grand Total | 26.63748531 |

Task 5: How does the car's horsepower, MPG, and price vary across different Brands?

Hints: Bubble chart to visualize the relationship between horsepower, MPG, and price across different car brands. Assign different colors to each brand and label the bubbles with the car model name. Calculate the average horsepower, MPG, and MSRP for each car brand using AVERAGEIFS or Pivot Tables.



| Row Labels | Average of Engine HP | Average of highway MPG | Average of MSRP |
|------------|-------------------------|------------------------|-----------------|
| 2 | 100 | 35 | 15822 |
| 3 | 166 | 38 | 22195 |
| 5 | 157 | 28 | 22184 |
| 6 | 184 | 37 | 24761 |
| 57 | 586 | 16 | 401357 |
| 62 | 586 | 16 | 452471 |
| 80 | 126 | 24 | 2000 |
| 86 | 203 | 30 | 26615 |
| 90 | 172 | 23 | 2000 |
| 100 | 172 | 22 | 2000 |
| 200 | 210 | 31 | 21496 |
| 240 | 114 | 26 | 2000 |
| 300 | 295 | 29 | 38134 |
| 323 | 82 | 33 | 2000 |
| 360 | 402 | 15 | 161979 |
| 500 | 116 | 37 | 20450 |
| 550 | 485 | 12 | 227170 |
| 599 | 621 | 15 | 334449 |
| 626 | 149 | 26 | 13787 |
| 740 | 134 | 24 | 2000 |
| 760 | 156 | 20 | 2000 |
| 780 | 166 | 20 | 2000 |
| 850 | 203 | 25 | 2004 |
| 900 | 173 | 25 | 2025 |
| 911 | 426 | 26 | 123764 |
| 928 | 345 | 17 | 7704 |

| 929 | 194 | 22 | 2000 |
|-----------------------|-----|----------|--------|
| 940 | 138 | 23 | 2000 |
| 944 | 208 | 24 | 3094 |
| 960 | 181 | 24 | 2000 |
| 968 | 236 | 24 | 4643 |
| 6000 | 133 | 28 | 2000 |
| 9000 | 204 | 26 25 | 2059 |
| 1 Series | 268 | 25 28 | 37853 |
| | | | |
| 1 Series M | 335 | 26 | 46135 |
| 124 Spider | 160 | 35 36 | 26895 |
| 190-Class | 144 | 26 | 2000 |
| 2 Series | 283 | 33 | 41697 |
| 200SX | 123 | 33 | 2008 |
| 240SX | 155 | 26 | 4066 |
| 3 Series | 230 | 36 | 40897 |
| 3 Series Gran Turismo | 270 | 32 | 45250 |
| 3000GT | 233 | 22 | 5036 |
| 300-Class | 183 | 21 | 2386 |
| 300M | 252 | 25 | 30601 |
| 300ZX | 242 | 22 | 2969 |
| 350-Class | 134 | 23 | 2183 |
| 350Z | 306 | 24 | 36442 |
| 370Z | 336 | 26 | 40654 |
| 4 Series | 269 | 32 | 48984 |
| 4 Series Gran Coupe | 270 | 33 | 44750 |
| 400-Class | 275 | 19 | 2398 |
| 420-Class | 201 | 17 | 2093 |
| 456M | 442 | 15 | 225028 |
| 458 Italia | 571 | 17 | 258060 |
| 4C | 237 | 34 | 61600 |
| 4Runner | 270 | 22 | 38221 |
| 5 Series | 310 | 32 | 58306 |
| 5 Series Gran Turismo | 358 | 26 | 65740 |
| 500-Class | 319 | 17 | 3644 |
| 500e | | 105 | 31800 |
| 500L | 160 | 32 | 22121 |
| 500X | 177 | 31 | 24620 |
| 560-Class | 238 | 16 | 2310 |
| 570S | 562 | 23 | 184900 |
| 575M | 515 | 16 | 221966 |
| 6 Series | 380 | 27 | 87933 |
| 6 Series Gran Coupe | 380 | 27 | 86383 |
| 600-Class | 392 | 15 | 3476 |
| 612 Scaglietti | 532 | 16 | 313088 |
| 650S Coupe | 641 | 22 | 265500 |
| 650S Spider | 641 | 22 | 280225 |
| 7 Series | 391 | 26 | 90663 |
| 718 Cayman | 325 | 27 | 60100 |
| 8 Series | 312 | 19 | 6583 |
| 9-2X | 199 | 26 | 24970 |
| 9-3 Griffin | 220 | 30 | 36581 |
| 9-4X | 272 | 24 | 38952 |
| 9-7X | 318 | 19 | 43393 |
| A3 | 190 | 35 | 38652 |
| | | | |

| A4 | 225 | 32 | 39752 |
|-----------------------|-----|----|--------|
| A4 allroad | 252 | 28 | 47467 |
| A5 | 220 | 29 | 44300 |
| A6 | 267 | 46 | 54674 |
| A7 | 291 | 32 | 69895 |
| A8 | 384 | 29 | 94850 |
| Acadia | 270 | 24 | 40086 |
| Acadia Limited | 281 | 22 | 44850 |
| Accent | 137 | 38 | 15912 |
| Acclaim | 102 | 27 | 2000 |
| Accord | 212 | 34 | 27886 |
| Accord Crosstour | 271 | 26 | 33610 |
| Accord Hybrid | 201 | 46 | 32316 |
| Accord Plug-In Hybrid | 196 | 46 | 39780 |
| Achieva | 150 | 29 | 2000 |
| ActiveHybrid 5 | 335 | 30 | 61800 |
| ActiveHybrid 7 | 345 | 30 | 84300 |
| ActiveHybrid X6 | 480 | 19 | 88900 |
| Aerio | 155 | 27 | 15918 |
| Aerostar | 142 | 21 | 2000 |
| Alero | 155 | 29 | 20626 |
| Allante | 232 | 20 | 2197 |
| allroad | 220 | 28 | 44675 |
| allroad quattro | 263 | 20 | 41944 |
| Alpina | 375 | 19 | 136900 |
| ALPINA B6 Gran Coupe | 580 | 24 | 120667 |
| ALPINA B7 | 547 | 24 | 132333 |
| Altima | 218 | 36 | 26956 |
| Altima Hybrid | 185 | 33 | 26743 |
| Amanti | 264 | 24 | 25678 |
| AMG GT | 487 | 22 | 124100 |
| Armada | 339 | 19 | 48204 |
| Arnage | 470 | 15 | 246890 |
| Aspen | 295 | 18 | 35792 |
| Aspire | 63 | 38 | 2000 |
| Astro | 190 | 18 | 25105 |
| Astro Cargo | 190 | 19 | 23792 |
| ATS | 287 | 30 | 42111 |
| ATS Coupe | 297 | 29 | 45772 |
| ATS-V | 464 | 23 | 61680 |
| Aurora | 236 | 24 | 33368 |
| Avalanche | 320 | 21 | 42065 |
| Avalon | 268 | 31 | 36230 |
| Avalon Hybrid | 200 | 39 | 39019 |
| Avenger | 217 | 30 | 22825 |
| Aventador | 715 | 17 | 470050 |
| Aveo | 108 | 35 | 13843 |
| Aviator | 302 | 17 | 42543 |
| Axxess | 138 | 22 | 2000 |
| Azera | 293 | 28 | 36500 |
| Aztek | 185 | 23 | 22688 |
| Azure | 450 | 15 | 331657 |
| Azure T | 500 | 15 | 363000 |
| B9 Tribeca | 248 | 21 | 34088 |
| | | | |

| Baja | 192 | 23 | 24398 |
|-------------------------|-----|-----|--------|
| B-Class Electric Drive | 177 | 82 | 40933 |
| Beetle | 183 | 33 | 26101 |
| Beetle Convertible | 186 | 32 | 30492 |
| Beretta | 141 | 30 | 2000 |
| Black Diamond Avalanche | 320 | 21 | 41296 |
| Blackwood | 300 | 15 | 51785 |
| Blazer | 190 | 19 | 24151 |
| Bolt EV | 200 | 110 | 38763 |
| Bonneville | 224 | 26 | 30753 |
| Borrego | 310 | 21 | 31723 |
| Boxster | 300 | 28 | 61413 |
| Bravada | 273 | 19 | 34021 |
| Breeze | 132 | 33 | 2000 |
| Bronco | 196 | 16 | 2697 |
| Bronco II | 140 | 20 | 2000 |
| Brooklands | 530 | 15 | 340990 |
| Brougham | 155 | 23 | 2000 |
| BRZ | 201 | 31 | 27686 |
| B-Series | 152 | 22 | 16713 |
| B-Series Pickup | 142 | 21 | 2985 |
| B-Series Truck | 173 | 21 | 20609 |
| C/K 1500 Series | 206 | 19 | 2902 |
| C/K 2500 Series | 243 | 18 | 3049 |
| C30 | 227 | 29 | 26258 |
| C36 AMG | 273 | 21 | 3960 |
| C43 AMG | 302 | 21 | 4957 |
| C70 | 227 | 28 | 40533 |
| C8 | 400 | 18 | 213323 |
| Cabrio | 115 | 27 | 18592 |
| Cabriolet | 120 | 26 | 2289 |
| Cadenza | 292 | 28 | 38393 |
| Caliber | 161 | 30 | 18739 |
| California | 473 | 19 | 197407 |
| California T | 553 | 23 | 198973 |
| Camaro | 394 | 26 | 38992 |
| Camry | 206 | 33 | 26953 |
| Camry Hybrid | 200 | 38 | 28291 |
| Camry Solara | 187 | 28 | 24342 |
| Canyon | 240 | 25 | 28899 |
| Caprice | 226 | 24 | 2000 |
| Captiva Sport | 180 | 28 | 26206 |
| Caravan | 168 | 24 | 20481 |
| Carrera GT | 605 | 15 | 440000 |
| Cascada | 200 | 27 | 35065 |
| Catera | 200 | 23 | 9429 |
| Cavalier | 140 | 32 | 15308 |
| Cayenne | 423 | 24 | 94386 |
| Cayman | 310 | 28 | 62488 |
| Cayman S | 295 | 26 | 58900 |
| CC | 205 | 31 | 35854 |
| C-Class | 311 | 29 | 49298 |
| Celebrity | 123 | 28 | 2000 |
| Celica | 160 | 30 | 20725 |
| | | | |

| Century | 175 | 27 | 21697 |
|-------------------------------------|-----|----|--------|
| Challenger | 426 | 24 | 39230 |
| Charger | 401 | 27 | 38836 |
| Chevy Van | 198 | 17 | 2024 |
| Ciera | 147 | 27 | 2000 |
| Cirrus | 168 | 25 | 2227 |
| City Express | 131 | 26 | 22810 |
| Civic | 162 | 39 | 22518 |
| Civic CRX | 87 | 36 | 2000 |
| Civic del Sol | 130 | 32 | 2136 |
| CL | 237 | 27 | 29819 |
| CLA-Class | 261 | 34 | 38428 |
| Classic | 140 | 31 | 19598 |
| CL-Class | 524 | 21 | 160483 |
| CLK-Class | 357 | 22 | 65133 |
| CLS-Class | 420 | 26 | 80448 |
| C-Max Hybrid | 188 | 37 | 25653 |
| Cobalt | 174 | 34 | 17302 |
| Colorado | 240 | 25 | 27665 |
| Colt | 105 | 31 | 2000 |
| Concorde | 228 | 25 | 25935 |
| Continental | 340 | 22 | 130510 |
| Continental Flying Spur | 552 | 19 | 183200 |
| Continental Flying Spur Speed | 600 | 17 | 208600 |
| Continental GT | 551 | 23 | 215979 |
| Continental GT Speed | 608 | 19 | 212350 |
| Continental GT Speed Convertible | 626 | 20 | 238700 |
| Continental GT3-R | 572 | 23 | 337000 |
| Continental GTC | 537 | 22 | 207817 |
| Continental GTC Speed | 600 | 17 | 233750 |
| Continental Supersports | 621 | 19 | 267000 |
| Continental Supersports Convertible | 621 | 19 | 280400 |
| Contour | 131 | 31 | 2010 |
| Contour SVT | 198 | 26 | 2765 |
| Corniche | 325 | 15 | 359990 |
| Corolla | 134 | 38 | 20221 |
| Corolla iM | 137 | 36 | 19120 |
| Corrado | 173 | 24 | 2000 |
| Corsica | 120 | 29 | 2000 |
| Corvette | 516 | 26 | 71505 |
| Corvette Stingray | 455 | 29 | 57500 |
| Coupe | 316 | 18 | 56575 |
| Cressida | 190 | 22 | 2000 |
| Crossfire | 234 | 23 | 36850 |
| Crosstour | 246 | 30 | 33064 |
| Crosstrek | 150 | 32 | 24175 |
| Crown Victoria | 229 | 24 | 29672 |
| Cruze | 147 | 39 | 20469 |
| Cruze Limited | 138 | 38 | 20189 |
| CR-V | 185 | 32 | 27968 |
| CR-Z | 130 | 39 | 22289 |
| CT 200h | 134 | 40 | 31567 |
| СТ6 | 342 | 27 | 66033 |
| CTS | 314 | 28 | 56960 |
| | | | |

| CTS Coupe | 318 | 27 | 44645 |
|---------------------|-----|-----|--------|
| CTS Wagon | 296 | 26 | 45185 |
| CTS-V | 612 | 20 | 77863 |
| CTS-V Coupe | 556 | 19 | 65572 |
| CTS-V Wagon | 556 | 19 | 63343 |
| Cube | 122 | 31 | 17500 |
| Custom Cruiser | 160 | 23 | 2000 |
| Cutlass | 153 | 26 | 2045 |
| Cutlass Calais | 140 | 30 | 2000 |
| Cutlass Ciera | 145 | 26 | 2000 |
| Cutlass Supreme | 160 | 26 | 2000 |
| CX-3 | 146 | 33 | 22928 |
| CX-5 | 176 | 32 | 25404 |
| CX-7 | 211 | 25 | 27215 |
| CX-9 | 256 | 25 | 34962 |
| Dakota | 217 | 19 | 26955 |
| Dart | 173 | 36 | 20150 |
| Dawn | 563 | 19 | 335000 |
| Daytona | 138 | 27 | 2000 |
| DB7 | 424 | 17 | 151550 |
| DB9 | 510 | 19 | 196523 |
| DB9 GT | 540 | 19 | 215602 |
| DBS | 510 | 18 | 281573 |
| Defender | 182 | 15 | 33761 |
| DeVille | 282 | 24 | 48548 |
| Diablo | 550 | 12 | 294900 |
| Diamante | 207 | 23 | 26901 |
| Discovery | 217 | 14 | 37792 |
| Discovery Series II | 188 | 16 | 29519 |
| Discovery Sport | 240 | 26 | 41784 |
| DTS | 279 | 23 | 51683 |
| Durango | 308 | 25 | 39512 |
| Dynasty | 121 | 25 | 2000 |
| E-150 | 183 | 16 | 2077 |
| E-250 | 196 | 15 | 2019 |
| E55 AMG | 349 | 21 | 5999 |
| ECHO | 108 | 37 | 11017 |
| E-Class | 326 | 29 | 61857 |
| Eclipse | 191 | 27 | 23968 |
| Eclipse Spyder | 206 | 26 | 29985 |
| Edge | 258 | 28 | 34237 |
| e-Golf | 115 | 105 | 33371 |
| Eighty-Eight | 205 | 27 | 2105 |
| Eighty-Eight Royale | 186 | 26 | 2000 |
| Elantra | 156 | 36 | 20438 |
| Elantra Coupe | 153 | 37 | 19459 |
| Elantra GT | 173 | 33 | 19300 |
| Elantra Touring | 138 | 31 | 18162 |
| Eldorado | 289 | 25 | 32238 |
| Electra | 165 | 25 | 2000 |
| Element | 166 | 24 | 23146 |
| Elise | 203 | 27 | 51658 |
| Enclave | 288 | 22 | 45055 |
| Encore | 139 | 32 | 27878 |
| | | | |

| Endeavor | 225 | 20 | 29689 |
|---------------------|--------------------|-----|--------|
| Entourage | 245 | 23 | 26615 |
| Envision | 225 | 27 | 40618 |
| Envoy | 292 | 20 | 33077 |
| Envoy XL | 285 | 18 | 33926 |
| Envoy XUV | 275 | 18 | 32948 |
| Enzo | 660 | 12 | 643330 |
| Eos | 200 | 30 | 38064 |
| Equator | 223 | 20 | 24513 |
| Equinox | 182 | 31 | 27577 |
| Equus | 429 | 23 | 65042 |
| ES 250 | 42 <i>9</i> 156 | 24 | 2000 |
| ES 300 | 210 | 26 | 31578 |
| ES 300h | 200 | 39 | 41140 |
| | 200 | 27 | |
| ES 330 | | | 32067 |
| ES 350 | 268 | 31 | 38785 |
| Escalade | 420 | 21 | 81037 |
| Escalade ESV | 420 | 21 | 84037 |
| Escalade EXT | 403 | 18 | 66572 |
| Escalade Hybrid | 332 | 23 | 80523 |
| Escape | 175 | 30 | 27459 |
| Escape Hybrid | 177 | 29 | 32125 |
| Escort | 126 | 31 | 13867 |
| E-Series Van | 235 | 16 | 29894 |
| E-Series Wagon | 245 | 15 | 33478 |
| Esprit | 350 | 21 | 91292 |
| Estate Wagon | 140 | 22 | 2000 |
| Esteem | 121 | 31 | 13296 |
| EuroVan | 201 | 18 | 26950 |
| Evora | 304 | 26 | 71776 |
| Evora 400 | 400 | 39 | 91900 |
| EX | 306 | 24 | 37808 |
| EX35 | 297 | 24 | 35192 |
| Excel | 81 | 32 | 2000 |
| Exige | 249 | 26 | 69628 |
| Expedition | 365 | 20 | 56883 |
| Explorer | 305 | 23 | 38451 |
| Explorer Sport | 203 | 19 | 24422 |
| Explorer Sport Trac | 243 | 20 | 30261 |
| Ехро | 133 | 24 | 2000 |
| Express | 288 | 17 | 34804 |
| Express Cargo | 253 | 18 | 30235 |
| F12 Berlinetta | 731 | 16 | 317257 |
| F-150 | 332 | 23 | 40747 |
| F-150 Heritage | 211 | 18 | 24146 |
| F-150 SVT Lightning | 320 | 15 | 5353 |
| F-250 | 220 | 17 | 3280 |
| F430 | 483 | 16 | 205580 |
| Festiva | 63 | 38 | 2000 |
| FF | 651 | 16 | 295000 |
| Fiesta | 131 | 35 | 17126 |
| Firebird | 265 | 25 | 19644 |
| Fit | 130 | 38 | 18338 |
| Fit EV | | 105 | 36625 |
| | | | |

| Five Hundred | 203 | 24 | 25304 |
|-----------------|-----|----|--------|
| FJ Cruiser | 260 | 19 | 27865 |
| Fleetwood | 260 | 23 | 2053 |
| Flex | 300 | 23 | 36121 |
| Flying Spur | 570 | 22 | 206940 |
| Focus | 158 | 48 | 21791 |
| Focus RS | 350 | 25 | 36120 |
| Focus ST | 252 | 31 | 24523 |
| Forenza | 127 | 28 | 15575 |
| Forester | 190 | 30 | 27337 |
| Forte | 175 | 33 | 19895 |
| Fox | 81 | 30 | 2000 |
| Freelander | 174 | 19 | 27149 |
| Freestar | 199 | 21 | 25789 |
| | 203 | 24 | |
| Freestyle | 244 | 22 | 27839 |
| Frontier | | | 27462 |
| FR-S | 200 | 32 | 27518 |
| Fusion | 211 | 32 | 28808 |
| Fusion Hybrid | 188 | 41 | 29006 |
| FX | 333 | 22 | 50105 |
| FX35 | 294 | 22 | 41750 |
| FX45 | 320 | 17 | 49900 |
| FX50 | 390 | 20 | 58700 |
| G Convertible | 327 | 25 | 51750 |
| G Coupe | 336 | 26 | 44409 |
| G Sedan | 299 | 26 | 38393 |
| G20 | 145 | 28 | 17609 |
| G3 | 106 | 34 | 14335 |
| G35 | 297 | 24 | 32884 |
| G37 | 329 | 25 | 36900 |
| G37 Convertible | 325 | 25 | 48733 |
| G37 Coupe | 330 | 26 | 40730 |
| G37 Sedan | 328 | 26 | 37942 |
| G5 | 158 | 33 | 17664 |
| G6 | 211 | 27 | 25020 |
| G8 | 329 | 24 | 30767 |
| G80 | 347 | 25 | 46617 |
| Galant | 160 | 30 | 22899 |
| Gallardo | 561 | 20 | 219844 |
| G-Class | 504 | 14 | 146040 |
| Genesis | 356 | 26 | 43306 |
| Genesis Coupe | 336 | 25 | 30578 |
| Ghibli | 382 | 24 | 75175 |
| Ghost | 563 | 21 | 276525 |
| Ghost Series II | 563 | 21 | 307831 |
| GLA-Class | 261 | 32 | 38564 |
| GLC-Class | 241 | 28 | 40050 |
| GL-Class | 395 | 20 | 84226 |
| GLE-Class | 393 | 21 | 73775 |
| GLE-Class Coupe | 470 | 21 | 88675 |
| GLI | 200 | 31 | 25538 |
| GLK-Class | 268 | 27 | 38657 |
| GLS-Class | 463 | 19 | 95550 |
| Golf | 166 | 38 | 22647 |
| | | | |

| Golf Alltrack | 170 | 30 | 29130 |
|-------------------------|------------|-----|--------|
| Golf GTI | 215 | 33 | 28792 |
| Golf R | 292 | 30 | 37724 |
| Golf SportWagen | 164 | 37 | 26127 |
| Grand Am | 164 | 28 | 21346 |
| Grand Caravan | 283 | 25 | 27101 |
| Grand Prix | 254 | 26 | 24986 |
| Grand Vitara | 166 | 24 | 24980 |
| Grand Voyager | 156 | 23 | 2152 |
| GranSport | 400 | 18 | 100267 |
| GranTurismo | 454 | 21 | 145993 |
| GranTurismo Convertible | 454 451 | 20 | |
| | | | 155824 |
| GS 200t | 241 | 31 | 49798 |
| GS 300 | 233 | 25 | 41500 |
| GS 350 | 309 | 27 | 52624 |
| GS 400 | 300 | 22 | 3749 |
| GS 430 | 297 | 23 | 50575 |
| GS 450h | 338 | 34 | 61613 |
| GS 460 | 342 | 24 | 54303 |
| GS F | 467 | 24 | 84440 |
| GT | 550 | 19 | 149995 |
| GTI | 200 | 32 | 28038 |
| GTO | 383 | 19 | 31793 |
| GT-R | 561 | 23 | 119030 |
| GX 460 | 301 | 19 | 56299 |
| GX 470 | 263 | 18 | 47188 |
| Н3 | 259 | 17 | 37749 |
| НЗТ | 265 | 17 | 34629 |
| HHR | 178 | 31 | 20763 |
| Highlander | 262 | 25 | 37220 |
| Highlander Hybrid | 280 | 28 | 48939 |
| Horizon | 93 | 31 | 2000 |
| HR-V | 141 | 33 | 22315 |
| HS 250h | 187 | 34 | 37388 |
| Huracan | 603 | 21 | 234475 |
| i3 | 170 | 110 | 42700 |
| 130 | 215 | 25 | 11904 |
| 135 | 255 | 24 | 29483 |
| iA | 106 | 42 | 16250 |
| ILX | 191 | 35 | 30713 |
| ILX Hybrid | 111 | 38 | 31750 |
| iM | 137 | 37 | 18830 |
| i-MiEV | 66 | 100 | 22995 |
| Impala | 241 | 28 | 33559 |
| Impala Limited | 300 | 30 | 27735 |
| Imperial | 150 | 23 | 2000 |
| Impreza | 149 | 36 | 21169 |
| Impreza WRX | 278 | 24 | 30656 |
| Insight | 98 | 44 | 21193 |
| Integra | 152 | 28 | 11769 |
| Intrepid | 225 | 25 | 23596 |
| Intrigue | 215 | 26 | 17360 |
| iQ | 94 | 37 | 16169 |
| IS 200t | 241 | 33 | 37575 |
| | | | |

| IS 250 | 204 | 29 | 38511 |
|--------------------|-----|-----|---------|
| IS 250 C | 204 | 30 | 42943 |
| IS 300 | 231 | 24 | 34369 |
| IS 350 | 306 | 27 | 41289 |
| IS 350 C | 306 | 27 | 47223 |
| IS F | 416 | 23 | 62217 |
| J30 | 210 | 22 | 2028 |
| Jetta | 172 | 37 | 23954 |
| Jetta GLI | 207 | 33 | 27350 |
| Jetta Hybrid | 170 | 48 | 28479 |
| Jetta SportWagen | 157 | 35 | 25285 |
| Jimmy | 190 | 19 | 11240 |
| Journey | 240 | 25 | 28166 |
| Juke | 193 | 31 | 25125 |
| Justy | 72 | 31 | 2000 |
| JX | 265 | 24 | 41950 |
| K900 | 376 | 24 | 56040 |
| Kizashi | 181 | 30 | 23994 |
| LaCrosse | 293 | 29 | 37077 |
| Lancer | 165 | 31 | 20756 |
| Lancer Evolution | 293 | 23 | 36752 |
| Lancer Sportback | 158 | 31 | 20045 |
| Land Cruiser | 381 | 18 | 82768 |
| Landaulet | 620 | 16 | 1381375 |
| Laser | 154 | 26 | 2000 |
| Le Baron | 131 | 26 | 2000 |
| Le Mans | 74 | 36 | 2000 |
| Leaf | | 101 | 32423 |
| Legacy | 188 | 34 | 25371 |
| Legend | 215 | 23 | 2144 |
| LeSabre | 205 | 27 | 29050 |
| Levante | 385 | 20 | 77500 |
| LFA | 552 | 16 | 375000 |
| LHS | 253 | 24 | 10922 |
| Loyale | 90 | 27 | 2000 |
| LR2 | 240 | 24 | 39067 |
| LR3 | 300 | 17 | 49508 |
| LR4 | 340 | 19 | 56608 |
| LS | 254 | 23 | 37970 |
| LS 400 | 290 | 23 | 4599 |
| LS 430 | 286 | 23 | 56042 |
| LS 460 | 373 | 24 | 78524 |
| LS 600h L | 438 | 23 | 120313 |
| LSS | 221 | 26 | 2330 |
| LTD Crown Victoria | 150 | 22 | 2000 |
| Lucerne | 236 | 26 | 34554 |
| Lumina | 174 | 26 | 5407 |
| Lumina Minivan | 140 | 22 | 2000 |
| LX 450 | 212 | 14 | 3975 |
| LX 470 | 259 | 15 | 66672 |
| LX 570 | 383 | 18 | 87147 |
| M | 355 | 25 | 52528 |
| M2 | 365 | 26 | 51700 |
| M3 | 425 | 26 | 63167 |
| | | | |

| M30 | 162 | 23 | 2000 |
|------------------------|------------|----------|----------------|
| M35 | 289 | 23 | 46175 |
| M37 | 330 | 25 | 48125 |
| M4 | 425 | 26 | 69583 |
| M4 GTS | 493 | 23 | 133205 |
| M45 | 325 | 21 | 52767 |
| M5 | 557 | 20 | 93533 |
| M56 | 420 | 24 | 59700 |
| M6 | 557 | 20 | 116150 |
| | 557 557 | 20 | 116800 |
| M6 Gran Coupe Macan | 354 | 23 | 61725 |
| Magnum | 305 | 22 | 30827 |
| Malibu | 196 | 36 | 25705 |
| Malibu Classic | 194 | 29 | 19317 |
| Malibu Hybrid | 164 | 33 | 25040 |
| Malibu Limited | 197 | 34 | 24346 |
| Malibu Maxx | 212 | 27 | 21954 |
| Mark LT | 300 | 16 | 40148 |
| Mark VII | 225 | 22 | 2000 |
| Mark VIII | 282 | 24 | 2224 |
| Matrix | 148 | 29 | 20310 |
| Maxima | 298 | 29 | 35799 |
| | 523 | 21 | 190325 |
| Maybach | 263 | 25 | 23967 |
| Mazdaspeed 3 | | 23 | |
| Mazdaspeed 6 | 274 178 | 24 | 28960 26030 |
| Mazdaspeed MX-5 Miata | | 24 27 | |
| Mazdaspeed Protege | 170 356 | 27 | 20230 |
| M-Class MDX | 290 | 22 27 | 61332 |
| | | | 50332 |
| Metro | 208 72 | 24 38 | 30725 |
| Metro | | 22 | 3502 |
| Mighty Max Pickup | 123 | | 2000 |
| Millenia | 192 75 | 25 43 | 20623 14470 |
| Mirage C4 | | | |
| Mirage G4 | 78 240 | 41 27 | 15395 |
| MKC | 240 | | 40210 |
| MKS MKT | 335 | 26 | 41898 |
| MKX | 334 303 | 23 25 | 44951 45256 |
| MKZ | 228 | 33 | |
| MKZ Hybrid | 191 | 36 | 40691 34645 |
| ML55 AMG | 342 | 16 | 5650 |
| Model S | 342 | 99 | 85256 |
| Monaco | 150 | 24 | 2000 |
| Montana | 189 | 23 | 27944 |
| Montana SV6 | 199 | 22 | 26000 |
| Monte Carlo | 232 | 27 | 23869 |
| Montero | 215 | 17 | 35652 |
| Montero Sport | 184 | 19 | 27504 |
| MP4-12C | 604 | 22 | 234200 |
| MPV | 200 | 23 | 234200 |
| MR2 | 168 | 26 | 2139 |
| MR2 Spyder | 138 | 30 | 25395 |
| Mulsanne | 511 | 18 | 310475 |
| Maisunic | 311 | 10 | 2104/3 |

| Murano | 259 | 28 | 36381 |
|------------------------|-----|----|--------|
| Murano CrossCabriolet | 265 | 22 | 43692 |
| Murcielago | 636 | 14 | 374667 |
| Mustang | 360 | 27 | 32521 |
| Mustang SVT Cobra | 310 | 23 | 4041 |
| MX-3 | 109 | 30 | 2000 |
| MX-5 Miata | 161 | 30 | 28301 |
| MX-6 | 144 | 27 | 2000 |
| Navajo | 158 | 20 | 2000 |
| Navigator | 377 | 20 | 68918 |
| Neon | 148 | 32 | 11027 |
| New Beetle | 150 | 28 | 21974 |
| New Yorker | 214 | 24 | 2000 |
| Ninety-Eight | 196 | 25 | 2000 |
| Nitro | 227 | 21 | 24705 |
| NSX | 331 | 22 | |
| | | | 102400 |
| NV200 | 131 | 26 | 21437 |
| NX | 125 | 31 | 2000 |
| NX 200t | 235 | 28 | 36593 |
| NX 300h | 194 | 30 | 40356 |
| Odyssey | 248 | 28 | 36879 |
| Omni | 93 | 31 | 2000 |
| Optima | 217 | 34 | 27312 |
| Optima Hybrid | 197 | 42 | 28886 |
| Outback | 191 | 32 | 29622 |
| Outlander | 176 | 30 | 25939 |
| Outlander Sport | 160 | 28 | 23059 |
| Pacifica | 257 | 24 | 31424 |
| Panamera | 437 | 26 | 123341 |
| Park Avenue | 223 | 26 | 37714 |
| Park Ward | 322 | 15 | 261445 |
| Paseo | 95 | 33 | 2045 |
| Passat | 178 | 36 | 27466 |
| Passport | 205 | 19 | 22186 |
| Pathfinder | 267 | 27 | 35520 |
| Phaeton | 386 | 19 | 83318 |
| Phantom | 453 | 19 | 445959 |
| Phantom Coupe | 453 | 19 | 440467 |
| Phantom Drophead Coupe | 453 | 19 | 482125 |
| Pickup | 134 | 20 | 2274 |
| Pilot | 271 | 26 | 36904 |
| Precis | 81 | 30 | 2000 |
| Prelude | 199 | 25 | 12569 |
| Previa | 155 | 20 | 2200 |
| Prius | 125 | 50 | 26909 |
| Prius c | 99 | 46 | 21378 |
| Prius Prime | 121 | 53 | 29667 |
| Prius v | 134 | 40 | 28841 |
| Prizm | 125 | 36 | 10872 |
| Probe | 135 | 28 | 2000 |
| Protege | 126 | 29 | 14789 |
| Protege5 | 130 | 28 | 16675 |
| Prowler | 253 | 21 | 34976 |
| PT Cruiser | 158 | 25 | 19908 |
| | | | |

| Pulsar | 90 | 31 | 2000 |
|--------------------|-----|----|----------------|
| Q3 | 200 | 28 | 36293 |
| Q40 | 328 | 26 | 34750 |
| Q45 | 340 | 22 | 57125 |
| Q5 | 244 | 28 | 48255 |
| Q50 | 304 | 29 | 43131 |
| Q60 Convertible | 331 | 25 | 54683 |
| Q60 Coupe | 309 | 27 | 45647 |
| Q7 | 282 | 25 | 57373 |
| Q70 | 373 | 26 | 57761 |
| Quattroporte | 441 | 23 | 119415 |
| Quest | 260 | 26 | 33443 |
| QX | 400 | 20 | 62225 |
| QX4 | 240 | 18 | 35050 |
| QX50 | 325 | 24 | 36025 |
| QX56 | 347 | 18 | 58150 |
| | 261 | 27 | |
| QX60 | | | 45890 46633 |
| QX70 | 325 | 23 | 46633 |
| QX80 | 400 | 20 | 68079 |
| R32 | 245 | 24 | 31045 |
| R8 | 506 | 21 | 158820 |
| Rabbit | 163 | 29 | 17081 |
| Raider | 213 | 19 | 24838 |
| Rainier | 286 | 20 | 32946 |
| Rally Wagon | 172 | 16 | 2000 |
| RAM 150 | 183 | 16 | 2002 |
| RAM 250 | 193 | 15 | 2022 |
| Ram 50 Pickup | 122 | 21 | 2000 |
| Ram Cargo | 195 | 15 | 20806 |
| Ram Pickup 1500 | 310 | 18 | 30623 |
| Ram Van | 197 | 17 | 2201 |
| Ram Wagon | 195 | 15 | 14142 |
| Ramcharger | 214 | 14 | 2000 |
| Range Rover | 449 | 21 | 118230 |
| Range Rover Evoque | 240 | 30 | 50522 |
| Range Rover Sport | 428 | 21 | 80023 |
| Ranger | 179 | 23 | 21340 |
| Rapide | 470 | 19 | 210123 |
| Rapide S | 551 | 21 | 202748 |
| RAV4 | 176 | 30 | 28789 |
| RAV4 EV | 154 | 74 | 49800 |
| RAV4 Hybrid | 194 | 30 | 31445 |
| RC 200t | 241 | 32 | 40075 |
| RC 300 | 255 | 26 | 42690 |
| RC 350 | 306 | 27 | 43966 |
| RC F | 467 | 25 | 63123 |
| R-Class | 245 | 22 | 51435 |
| RDX | 278 | 28 | 39233 |
| Reatta | 168 | 25 | 2000 |
| Regal | 250 | 29 | 31872 |
| Regency | 205 | 27 | 2042 |
| Rendezvous | 192 | 23 | 27128 |
| Reno | 127 | 28 | 14647 |
| Reventon | 650 | 14 | 1500000 |
| | | | |

| Ridgeline | 266 | 23 | 34249 |
|-------------------|-----|----|--------|
| Rio | 138 | 37 | 16810 |
| Riviera | 231 | 25 | 2134 |
| RL | 300 | 23 | 51340 |
| RLX | 321 | 31 | 56492 |
| Roadmaster | 260 | 23 | 2045 |
| Rogue | 170 | 33 | 26121 |
| Rogue Select | 170 | 28 | 20825 |
| Rondo | 174 | 26 | 18948 |
| Routan | 261 | 25 | 35601 |
| RS 4 | 420 | 20 | 71603 |
| RS 5 | 450 | 23 | 74067 |
| RS 6 | 450 | 20 | 82700 |
| RS 7 | 560 | 26 | 108700 |
| RSX | 167 | 30 | 21689 |
| RX 300 | 220 | 21 | 35228 |
| RX 330 | 228 | 23 | 36590 |
| RX 350 | 286 | 26 | 45752 |
| RX 400h | 268 | 25 | 43340 |
| RX 450h | 304 | 28 | 52726 |
| RX-7 | 255 | 23 | 8170 |
| RX-8 | 224 | 22 | 29728 |
| S-10 | 156 | 21 | 19452 |
| S-10 Blazer | 164 | 21 | 2000 |
| S-15 | 131 | 22 | 2000 |
| S-15 Jimmy | 153 | 20 | 2000 |
| S2000 | 237 | 25 | 36019 |
| S3 | 292 | 30 | 45092 |
| S4 | 333 | 27 | 52150 |
| S40 | 212 | 29 | 30288 |
| S5 | 333 | 27 | 58183 |
| S6 | 444 | 27 | 73340 |
| S60 | 274 | 32 | 40721 |
| S60 Cross Country | 240 | 30 | 44200 |
| S7 | 443 | 27 | 82050 |
| S70 | 192 | 25 | 2318 |
| S8 | 563 | 25 | 115150 |
| S80 | 263 | 33 | 43366 |
| S90 | 263 | 31 | 41774 |
| Safari | 190 | 18 | 25105 |
| Safari Cargo | 190 | 19 | 23792 |
| Samurai | 66 | 26 | 2000 |
| Santa Fe | 290 | 24 | 35031 |
| Santa Fe Sport | 237 | 26 | 30525 |
| Savana | 287 | 17 | 34804 |
| Savana Cargo | 280 | 17 | 31863 |
| SC 300 | 225 | 22 | 3633 |
| SC 400 | 290 | 23 | 3959 |
| SC 430 | 288 | 23 | 67188 |
| S-Class | 533 | 23 | 157421 |
| Scoupe | 100 | 31 | 2000 |
| Sebring | 187 | 29 | 25976 |
| Sedona | 276 | 24 | 32977 |
| Sentra | 135 | 37 | 19147 |
| | | | |

| Canhia | 125 | 28 | 7066 |
|--------------------------|------------|----------|--------|
| Sephia Sequoia | 381 | 28 17 | 55688 |
| Seville | 285 | 25 | 47453 |
| | 263 107 | 28 | |
| Shadow Shallow CT350 | | | 2000 |
| Shelby GT350 | 526 | 21 | 55712 |
| Shelby GT500 | 640 | 24 | 55486 |
| Sidekick | 105 | 24 | 2022 |
| Sienna | 276 | 25 | 37673 |
| Sierra 1500 | 315 | 23 | 40312 |
| Sierra 1500 Classic | 279 | 18 | 27965 |
| Sierra 1500 Hybrid | 332 | 23 | 45193 |
| Sierra 1500HD | 300 | 17 | 33127 |
| Sierra C3 | 325 | 13 | 38370 |
| Sierra Classic 1500 | 200 | 17 | 4567 |
| Sigma | 142 | 20 | 2000 |
| Silhouette | 185 | 23 | 32804 |
| Silver Seraph | 322 | 15 | 224945 |
| Silverado 1500 | 310 | 23 | 38876 |
| Silverado 1500 Classic | 274 | 19 | 27337 |
| Silverado 1500 Hybrid | 332 | 23 | 44803 |
| Sixty Special | 200 | 23 | 2000 |
| Skylark | 153 | 28 | 2000 |
| SLC-Class | 302 | 31 | 54125 |
| SL-Class | 493 | 24 | 140150 |
| SLK-Class | 311 | 30 | 57769 |
| SLR McLaren | 625 | 16 | 490000 |
| SLS AMG | 563 | 20 | 189567 |
| SLS AMG GT | 591 | 19 | 218000 |
| SLS AMG GT Final Edition | 583 | 19 | 224830 |
| SLX | 203 | 18 | 2659 |
| Solstice | 213 | 26 | 27140 |
| Sonata | 201 | 35 | 25708 |
| Sonata Hybrid | 195 | 43 | 28488 |
| Sonic | 138 | 35 | 18168 |
| Sonoma | 147 | 22 | 18098 |
| Sorento | 260 | 25 | 33765 |
| Soul | 147 | 31 | 18047 |
| Soul EV | | 92 | 34250 |
| Spark | 93 | 39 | 14940 |
| Spark EV | 140 | 109 | 25843 |
| Spectra | 138 | 31 | 15727 |
| Spirit | 101 | 27 | 2000 |
| Sportage | 205 | 26 | 26726 |
| Sportvan | 180 | 16 | 2000 |
| Spyder | 388 | 16 | 88166 |
| SQ5 | 354 | 24 | 56850 |
| SRT Viper | 640 | 19 | 102515 |
| SRX | 308 | 24 | 45904 |
| SS | 415 | 21 | 45265 |
| SSR | 363 | 18 | 41138 |
| Stanza | 138 | 26 | 2000 |
| Stealth | 234 | 22 | 2618 |
| Stratus | 182 | 26 | 21531 |
| STS | 307 | 26 | 53598 |
| | | | |

| STS-V | 469 | 19 | 78527 |
|-----------------------------|-----|----|-----------------|
| Suburban | 330 | 21 | 43991 |
| Sunbird | 116 | 31 | 2000 |
| Sundance | 96 | 29 | 2000 |
| Sunfire | 140 | 32 | 13371 |
| Superamerica | 532 | 16 | 287625 |
| • | 631 | 19 | |
| Supersports Convertible ISR | 271 | 22 | 291900 19738 |
| Supra | | | |
| SVX | 230 | 23 | 2281 |
| Swift | 79 | 36 | 6642 |
| SX4 | 149 | 31 | 17609 |
| Syclone | 280 | 16 | 5667 |
| T100 | 182 | 19 | 2861 |
| Tacoma | 240 | 22 | 30318 |
| Tahoe | 355 | 23 | 54972 |
| Tahoe Hybrid | 332 | 23 | 53648 |
| Tahoe Limited/Z71 | 255 | 16 | 3439 |
| Taurus | 301 | 26 | 33593 |
| Taurus X | 262 | 23 | 30838 |
| TC | 176 | 29 | 18097 |
| Tempo | 104 | 29 | 2000 |
| Tercel | 93 | 35 | 2029 |
| Terrain | 182 | 30 | 30443 |
| Terraza | 210 | 22 | 30006 |
| Thunderbird | 280 | 22 | 38503 |
| Tiburon | 162 | 25 | 19910 |
| Tiguan | 200 | 25 | 31651 |
| Titan | 336 | 18 | 37958 |
| TL | 293 | 27 | 40877 |
| TLX | 266 | 33 | 38730 |
| Toronado | 168 | 24 | 2000 |
| Torrent | 217 | 24 | 26542 |
| Touareg | 272 | 25 | 54167 |
| Touareg 2 | 299 | 20 | 47838 |
| Town and Country | 283 | 25 | 35131 |
| Town Car | 239 | 24 | 49719 |
| Tracker | 145 | 21 | 19742 |
| TrailBlazer | 321 | 19 | 31843 |
| TrailBlazer EXT | 280 | 18 | 30167 |
| Trans Sport | 180 | 23 | 2020 |
| Transit Connect | 169 | 28 | 25111 |
| Transit Wagon | 278 | 19 | 37716 |
| Traverse | 283 | 22 | 36283 |
| Trax | 138 | 32 | 23124 |
| Tribeca | 256 | 21 | 33155 |
| Tribute | 193 | 26 | 24723 |
| Tribute Hybrid | 155 | 29 | 29463 |
| Truck | 150 | 21 | 8872 |
| TSX | 221 | 30 | 33284 |
| TSX Sport Wagon | 201 | 30 | 33560 |
| П | 217 | 30 | 43917 |
| TT RS | 360 | 25 | 57025 |
| TTS | 279 | 29 | 51200 |
| Tucson | 174 | 28 | 25971 |
| | | - | |

| Tundra | 372 | 18 | 37844 |
|-------------------|------|----|---------|
| Typhoon | 285 | 17 | 6393 |
| Uplander | 225 | 23 | 24610 |
| V12 Vanquish | 490 | 17 | 245880 |
| V12 Vantage | 510 | 17 | 187565 |
| V12 Vantage S | 565 | 18 | 188095 |
| V40 | 168 | 27 | 26336 |
| V50 | 207 | 29 | 31483 |
| V60 | 272 | 31 | 42403 |
| V60 Cross Country | 247 | 29 | 43125 |
| V70 | 235 | 26 | 34229 |
| V8 | 276 | 18 | 2129 |
| V8 Vantage | 429 | 20 | 129535 |
| V90 | 181 | 23 | 2200 |
| Van | 106 | 20 | 2000 |
| Vanagon | 90 | 17 | 2000 |
| Vandura | 175 | 19 | 2000 |
| Vanquish | 567 | 21 | 297084 |
| Vanwagon | 107 | 20 | 2000 |
| Veloster | 165 | 34 | 20928 |
| Venture | 185 | 24 | 26837 |
| Venza | 229 | 26 | 33032 |
| Veracruz | 260 | 22 | 32220 |
| Verano | 190 | 32 | 24695 |
| Verona | 155 | 25 | 19221 |
| Versa | 109 | 38 | 14661 |
| Versa Note | 109 | 39 | 16834 |
| Veyron 16.4 | 1001 | 14 | 1757224 |
| Vibe | 149 | 29 | 18388 |
| Vigor | 176 | 24 | 2000 |
| Viper | 645 | 20 | 99709 |
| Virage | 490 | 18 | 215795 |
| Vitara | 137 | 22 | 17474 |
| Voyager | 158 | 23 | 10884 |
| Windstar | 200 | 22 | 28444 |
| Windstar Cargo | 200 | 22 | 20627 |
| Wraith | 624 | 21 | 294425 |
| WRX | 283 | 25 | 32863 |
| X1 | 244 | 31 | 34383 |
| X3 | 240 | 29 | 42238 |
| X4 | 291 | 27 | 49871 |
| X5 | 325 | 26 | 60308 |
| X5 M | 567 | 19 | 98767 |
| X6 | 348 | 24 | 66044 |
| X6 M | 567 | 19 | 102167 |
| X-90 | 95 | 26 | 2000 |
| xA | 106 | 34 | 12997 |
| xB | 158 | 28 | 18445 |
| XC | 197 | 23 | 36500 |
| XC60 | 281 | 27 | 43620 |
| XC70 | 253 | 28 | 40878 |
| XC90 | 276 | 25 | 50794 |
| xD | 128 | 33 | 16683 |
| XG300 | 192 | 25 | 24249 |
| | | | |

| 09-05-2023 Grand Total | 264 249.3860701 | 28 26.63748531 | 42926 40594.73703 |
|----------------------------------|---------------------------|--------------------------|-----------------------------|
| 09-03-2023 | 216 | 28 | 37603 |
| Zephyr | 221 | 26 | 28995 |
| ZDX | 300 | 23 | 51063 |
| Z8 | 394 | 19 | 129833 |
| Z4 M | 330 | 23 | 51250 |
| Z4 | 292 | 28 | 57439 |
| Z3 | 203 | 25 | 25359 |
| Yukon XL | 377 | 22 | 60971 |
| Yukon Hybrid | 332 | 23 | 57980 |
| Yukon Denali | 255 | 15 | 3949 |
| Yukon | 377 | 22 | 58271 |
| Yaris iA | 106 | 40 | 16500 |
| Yaris | 106 | 36 | 16464 |
| XV Crosstrek | 151 | 33 | 24395 |
| XTS | 328 | 26 | 58116 |
| Xterra | 261 | 21 | 26980 |
| XT5 | 310 | 27 | 50011 |
| XT | 129 | 26 | 2000 |
| XLR-V | 443 | 21 | 100374 |
| XLR | 320 | 24 | 82503 |
| XL7 XL-7 | 252 185 | 22 20 | 27014 23689 |
| XG350 | 194 | 24 | 25099 |

The analysis revealed the connections between car features, market categories, and pricing. We determined which features contribute most to profitability and identified the car types that are both popular and profitable. By refining pricing and prioritizing these important features, the manufacturer can improve product selection and pricing strategies. This approach allows the company to remain competitive and boost profits by focusing on the most sought-after and lucrative car models.