

AUTO INSURANCE ANALYSIS

Pargat Singh

Bachelor of Science in Human Genetics

PG Certificate in Functional Genomics and Clinical Consultation

PG Certificate in Big Data Analytics

Languages/Tools: SQL, Python, Power BI.

Pursuing a career in Data Analytics.

Insurance by Coverage

Insurance by Customer type

Insurance by Policy type

Insurance by Sales Channel

Insurance by Vehicle

auto
insurance

Auto Insurance Analysis | Insurance by Coverage

1/1/2020 12/2/2020



9134

Total Number of Customers

5568

Total Basic Coverage

2742

Total Extended Coverage

824

Total Premium Coverage

Coverage

- ☐ Basic
- ☐ Extended
- ☐ Premium

Policy Type

- ☐ Corporate Auto
- ☐ Personal Auto
- ☐ Special Auto

Sales Cha...

- ☐ Agent
- ☐ Branch
- ☐ Call Center
- ☐ Web

Vehicle Si...

- ☐ Large
- ☐ Medsize
- ☐ Small

State

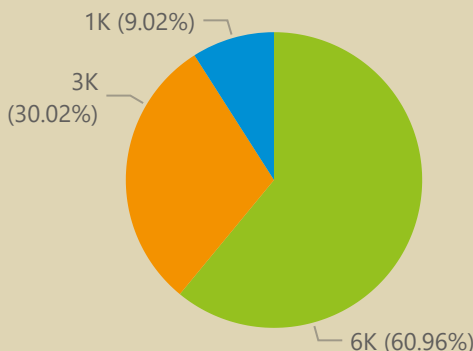
- ☐ Arizona
- ☐ California
- ☐ Nevada
- ☐ Oregon
- ☐ Washington

Vehicle Cla...

- ☐ Four-Door Car
- ☐ Luxury Car
- ☐ Luxury SUV
- ☐ Sports Car
- ☐ SUV
- ☐ Two-Door Car

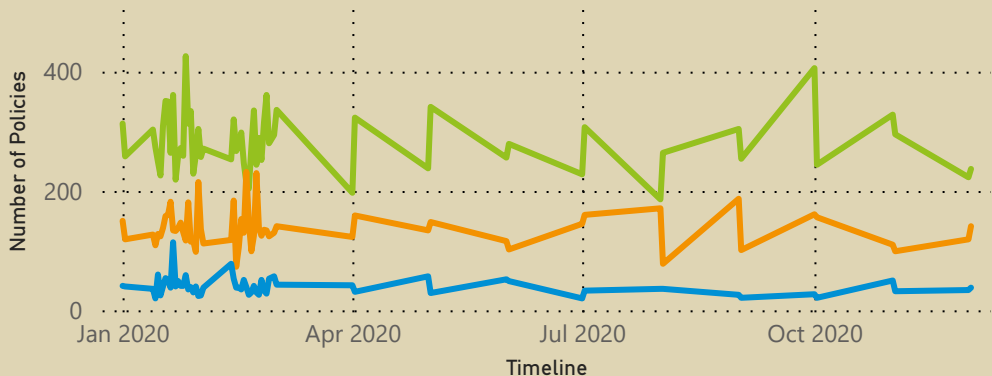
Total Number of Customers by Coverage Type

Coverage Basic Extended Premium



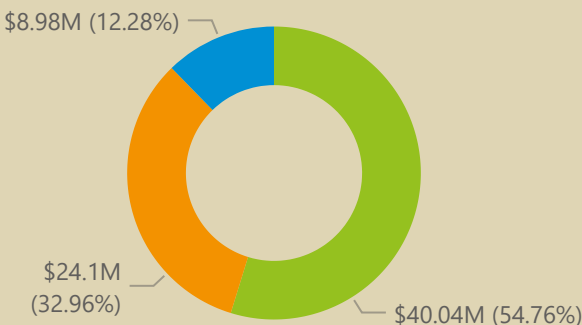
Policy Sold by Coverage Type

Coverage Basic Extended Premium



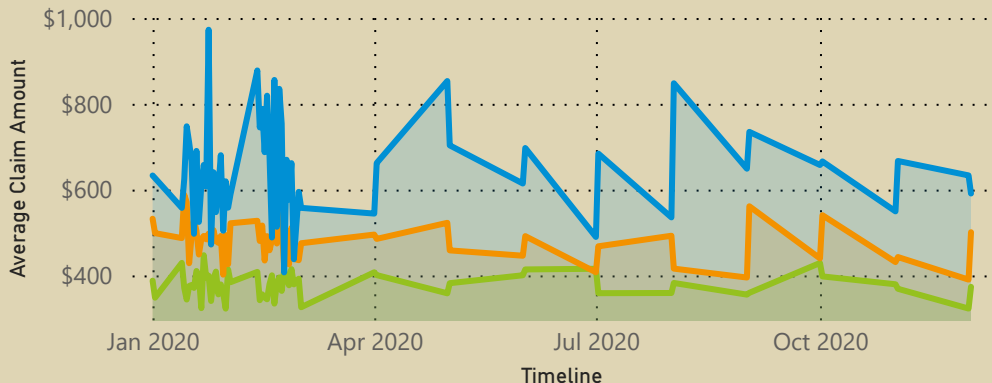
Total Amount Covered by Coverage Type

Coverage Basic Extended Premium



Average Claim Amount by Coverage Type

Coverage Basic Extended Premium

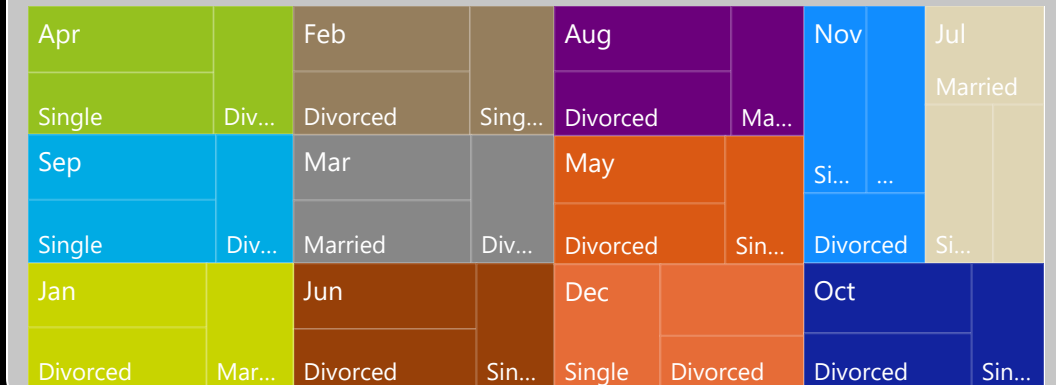
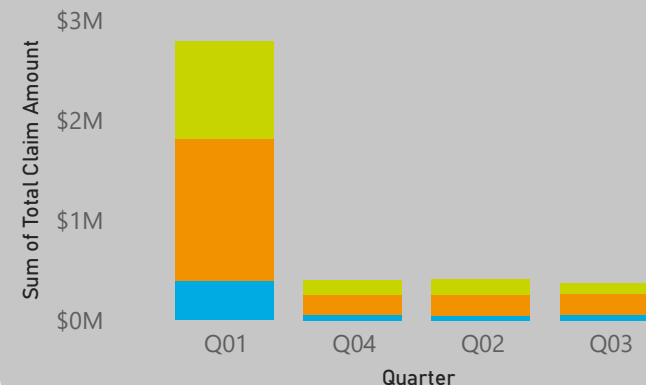
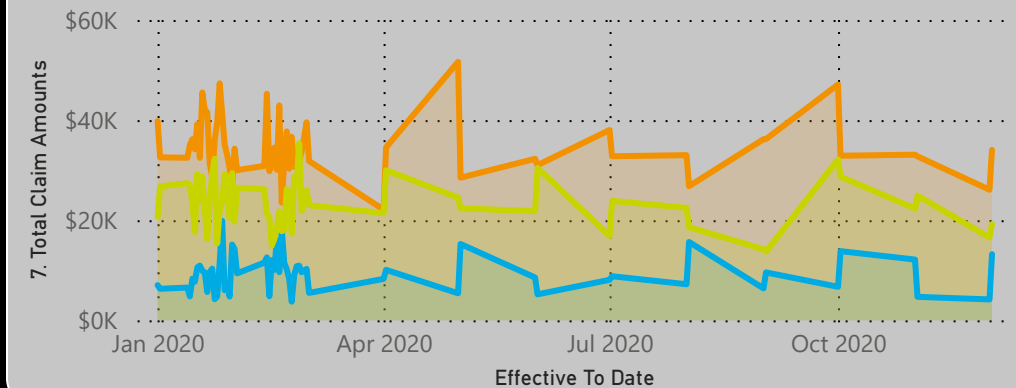
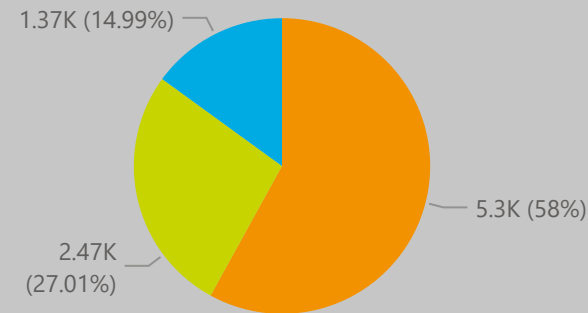


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Marital Status

- ☐ Four-Door Car
- ☐ Luxury Car
- ☐ Luxury SUV
- ☐ Sports Car
- ☐ SUV
- ☐ Two-Door Car



Auto Insurance Analysis | Insurance by Policy Type

1/1/2020

12/2/2020



3477

Policy Sold by Agent

1765

Policy Sold by Call Center

1325

Policy Sold by Web

2567

Policy Sold by Branch

Coverage

- ☐ Basic
- ☐ Extended
- ☐ Premium

Policy Type

- ☐ Corporate Auto
- ☐ Personal Auto
- ☐ Special Auto

Sales Cha...

- ☐ Agent
- ☐ Branch
- ☐ Call Center
- ☐ Web

Vehicle Si...

- ☐ Large
- ☐ Medsize
- ☐ Small

State

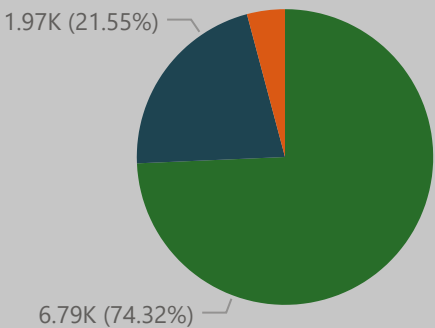
- ☐ Arizona
- ☐ California
- ☐ Nevada
- ☐ Oregon
- ☐ Washington

Vehicle Cla...

- ☐ Four-Door Car
- ☐ Luxury Car
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- ☐ Sports Car
- ☐ SUV
- ☐ Two-Door Car

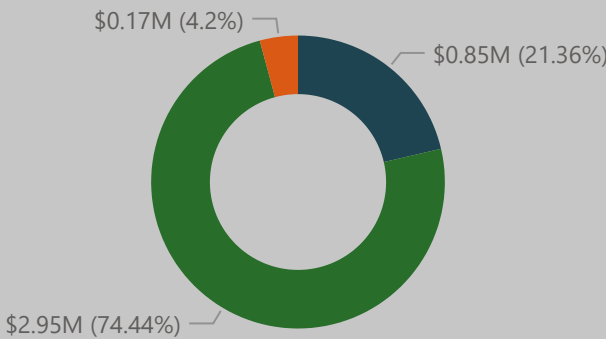
Customers by Policy type

Coverage Personal Auto Corporate ... Special A...



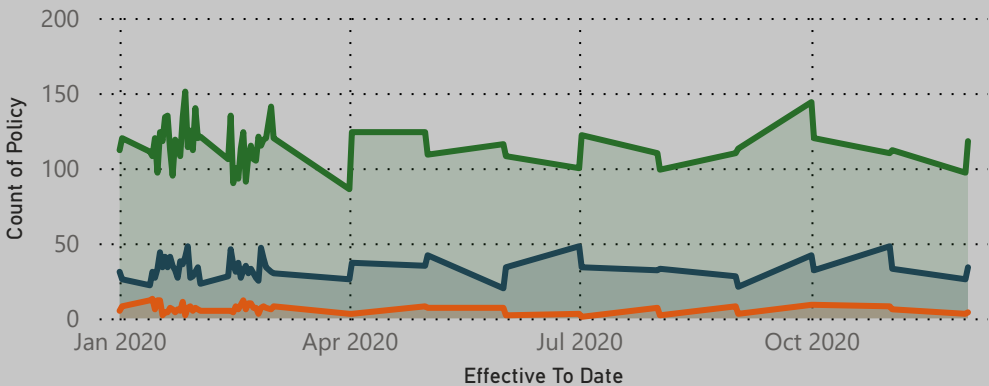
Revenue Generated by Policy Type

Coverage Corporate ... Personal A... Special A...



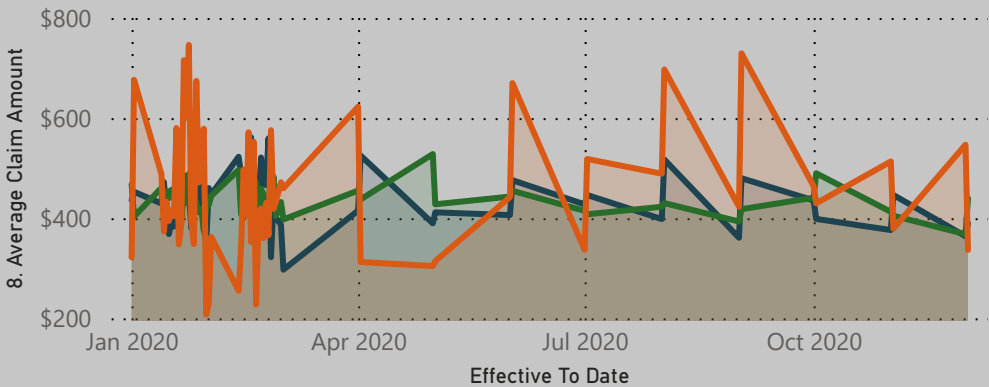
Policy Sold by Policy Type across each Quarter

Policy Type Corporate Auto Personal Auto Special Auto



Average Claim Amount by Policy type

Policy Type Corporate Auto Personal Auto Special Auto



Auto Insurance Analysis | Insurance by Sales Channel

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1/1/2020 12/31/2023

3477

Total Policy Sold by Agent

1765

Total Policy Sold by Call Ce...

1325

Total Policy Sold by Web

2567

Total Policy Sold by Branch

Coverage

- ☐ Basic
- ☐ Extended
- ☐ Premium

Policy Ty...

- ☐ Corporate Auto
- ☐ Personal Auto
- ☐ Special Auto

Sales Ch...

- ☐ Agent
- ☐ Branch
- ☐ Call Center
- ☐ Web

Vehicle Si...

- ☐ Large
- ☐ Medsize
- ☐ Small

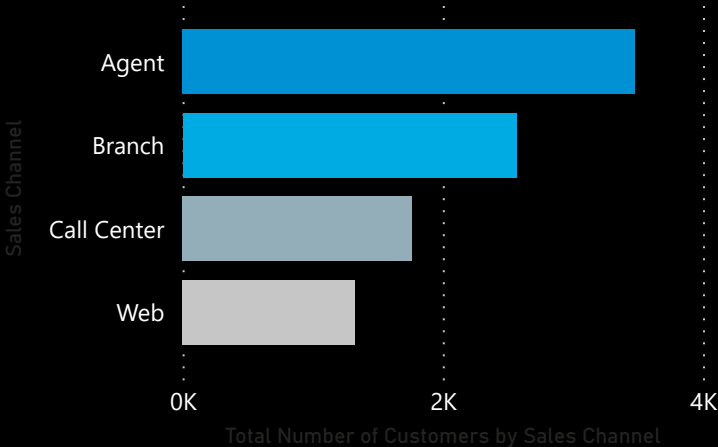
State

- ☐ Arizona
- ☐ California
- ☐ Nevada
- ☐ Oregon
- ☐ Washington

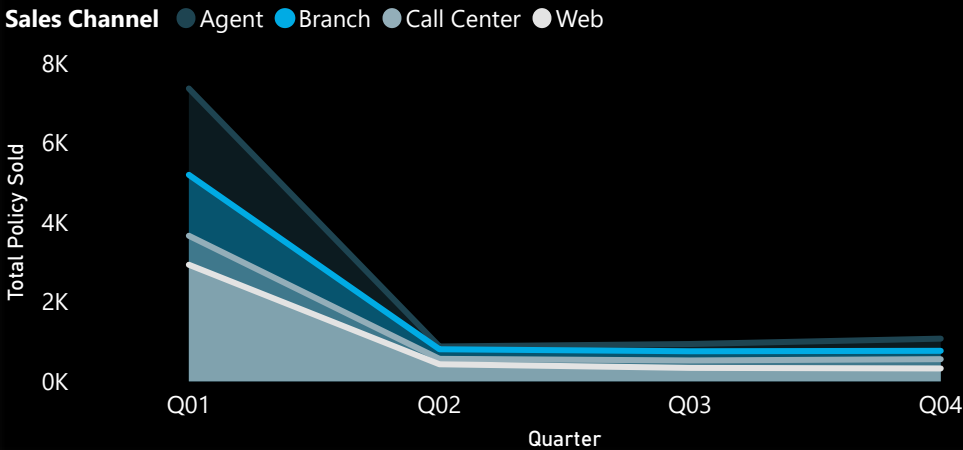
Vehicle C...

- ☐ Four-Door Car
- ☐ Luxury Car
- ☐ Luxury SUV
- ☐ Sports Car
- ☐ SUV
- ☐ Two-Door Car

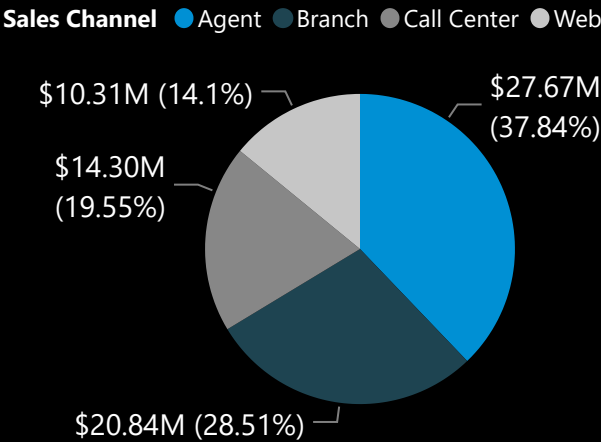
Total Number of Customers by Sales Channel



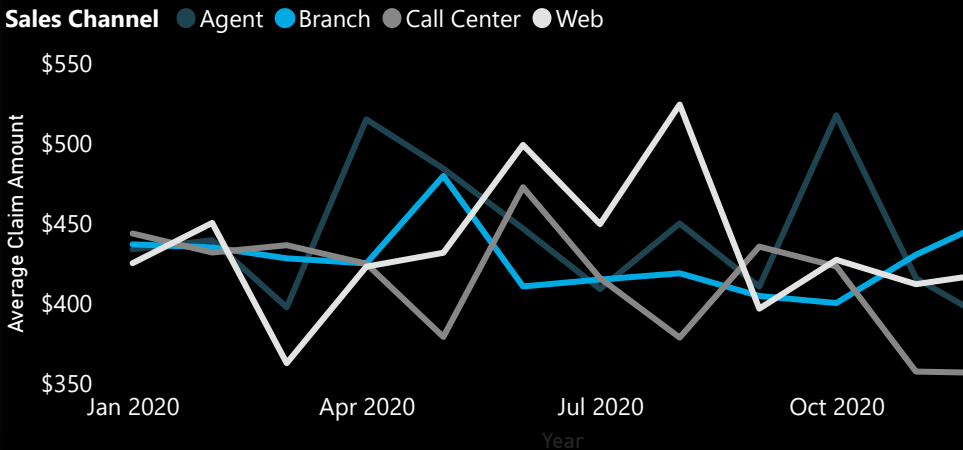
Policy Sold by Sales Channel



Total Revenue Generated by Sales Channel



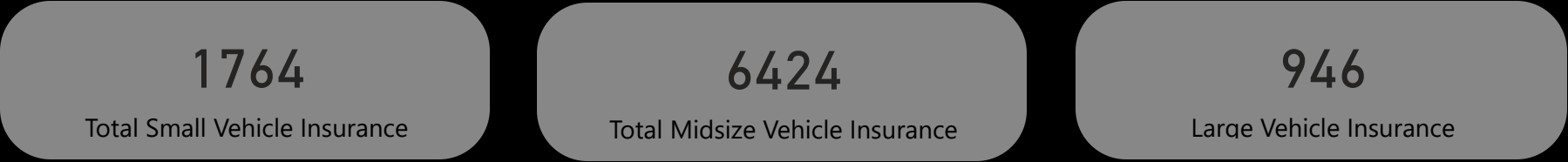
Average Claim Amount by Sales Channel



Auto Insurance Analysis | Insurance by Vehicle

1/1/2020

12/31/2023



Coverage

☐ Basic

☐ Extended

☐ Premium

Policy Ty...

☐ Corporate Auto

☐ Personal Auto

☐ Special Auto

Sales Ch...

☐ Agent

☐ Branch

☐ Call Center

☐ Web

Vehicle Si...

☐ Large

☐ Medsize

☐ Small

State

☐ Arizona

☐ California

☐ Nevada

☐ Oregon

☐ Washington

Vehicle C...

☐ Four-Door Car

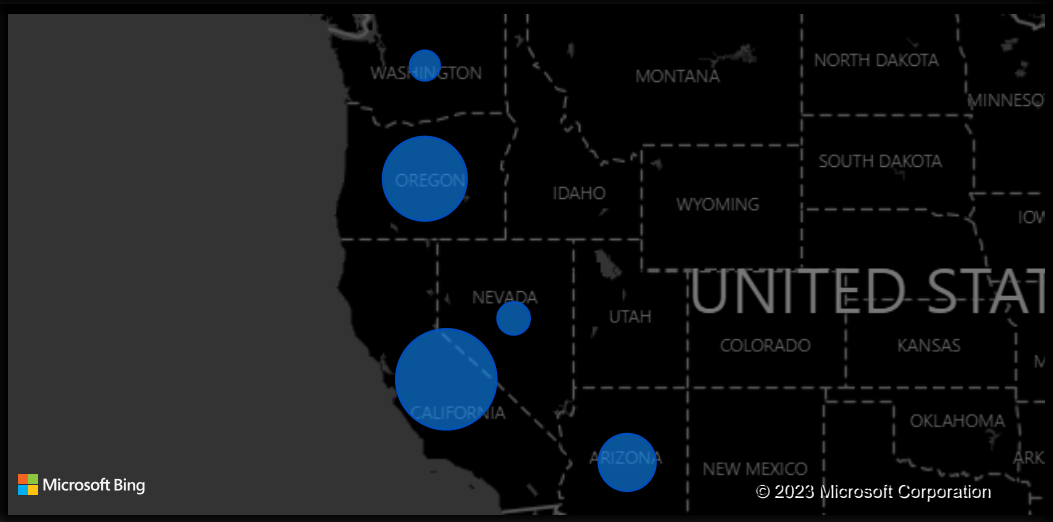
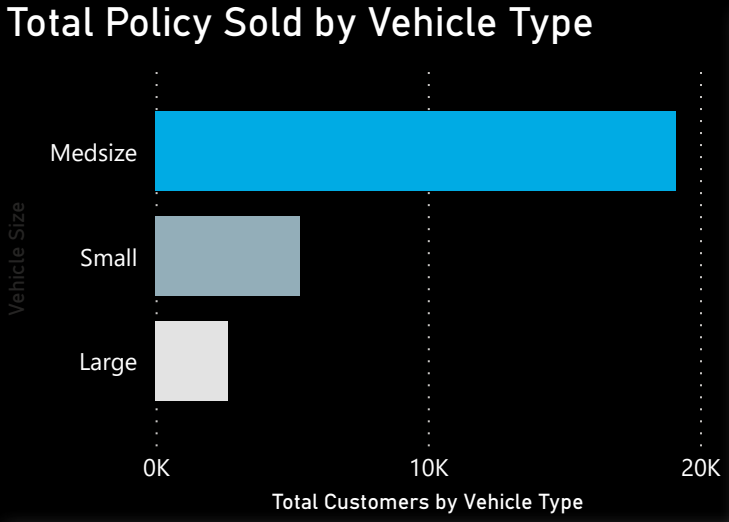
☐ Luxury Car

☐ Luxury SUV

☐ Sports Car

☐ SUV

☐ Two-Door Car



Vehicle Size	Vehicle Class	1. Total Number of Customers	8. Average Claim Amount
Large	Four-Door Car	475	\$339.21
Medsize	Four-Door Car	3237	\$329.74
Small	Four-Door Car	909	\$436.74
Large	Luxury Car	16	\$1,307.20
Total		9134	\$434.09

