Detailed View

YOJ	Claim Amount	Claim Amount vs I..	Claim Frequency	Claim and Old Claim	Cor Claim amt/income	Cor Old Claim/Income	Covar Claim amt/Income	Covar Old Claim / Inco..	Old Claim	Old Claim vs Income QA
Null	110,924	0.217328355	58	110,924	0	0	-6,097,952	-1,462,410	3,877	0
0	526,759		153	526,759			0	0	4,073	
1	0	0	0	0			0	0	0	0
2	0	0	2	0	1	1	0	159,737,955	14,368	0
3	2,175	0.005629814	5	2,175	0	0	2,571,938	-77,976,545	3,133	0
4	5,717	0.075461009	6	5,717	1	1	5,948,348	43,101,223	10,710	1
5	22,242	0.074722186	20	22,242	0	0	-13,773,043	843,684	4,727	0
6	96,027	0.100255540	20	96,027	0	0	11,150,043	33,378,268	3,737	0
7	65,438	0.102471982	45	65,438	0	0	-6,100,201	17,991,051	2,909	0
8	85,980	0.111832084	47	85,980	0	0	-3,896,436	-17,247,127	6,657	1
9	144,913	0.107659765	77	144,913	0	0	-4,667,640	-11,933,270	3,944	0
10	265,270	0.085710825	93	265,270	0	0	3,023,137	666,858	3,200	0
11	370,113	0.111508698	128	370,113	0	0	-867,146	609,548	4,300	0
12	356,152	0.144245349	179	356,152	0	0	3,836,372	18,966,484	4,841	1
13	305,811	0.227782522	137	305,811	0	0	3,730,016	31,948,997	4,351	1
14	257,426	0.098951665	109	257,426	0	0	2,023,129	-991,437	3,965	0
15	67,844	0.094792922	56	67,844	0	0	-6,364,661	9,422,233	3,317	0
16	68,143	0.106502680	39	68,143	0	0	-4,512,551	-20,002,617	5,158	0
17	47,150	0.145006784	15	47,150	0	0	10,648,233	13,423,823	2,830	0
18	5,185	0.066474359	3	5,185	0	0	-16,332,657	-15,892,092	948	0
19	2,132	0.014614752	2	2,132			-2,153,427	0	661	0

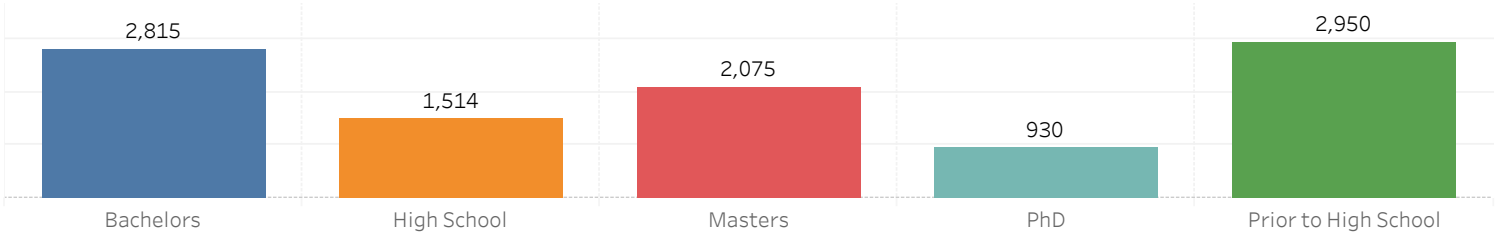
Claim Amount, Claim Amount vs Income QA, Claim Frequency, Claim and Old Claim, Cor Claim amt/income, Cor Old Claim/Income, Covar Claim amt/Income, Covar Old Claim / Income, Old Claim and Old Claim vs Income QA broken down by YOJ. The data is filtered on Multi Select Criteria, which keeps High School.

Record and Income Dashboard

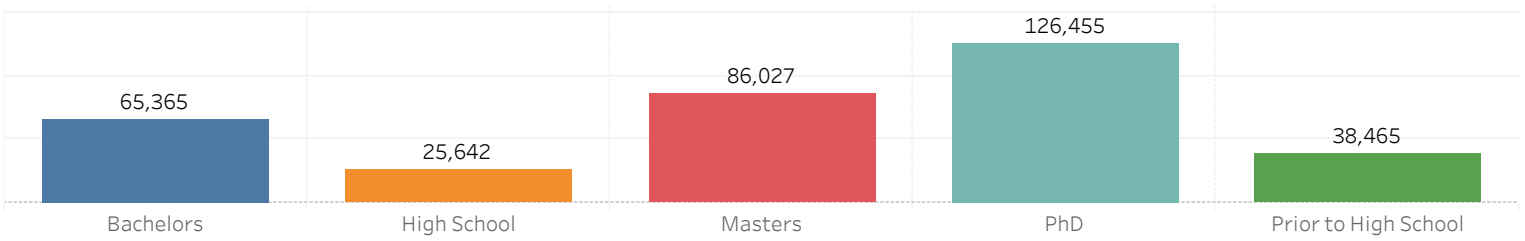
Multi Dimensional View
Educations

Multi Select Criteria
- Bachelors
- High School
- Masters
- PhD
- Prior to High School

No. of Customers

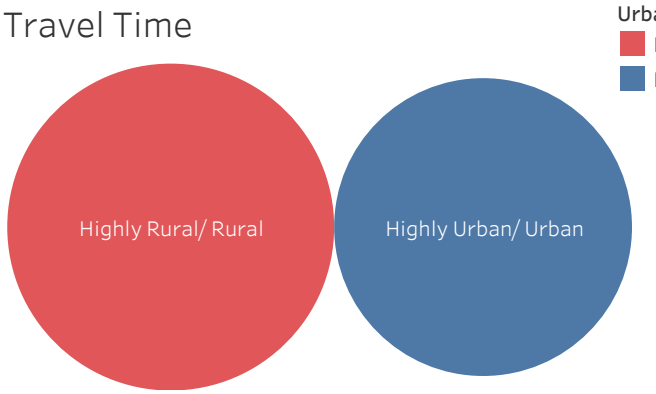


Average Income



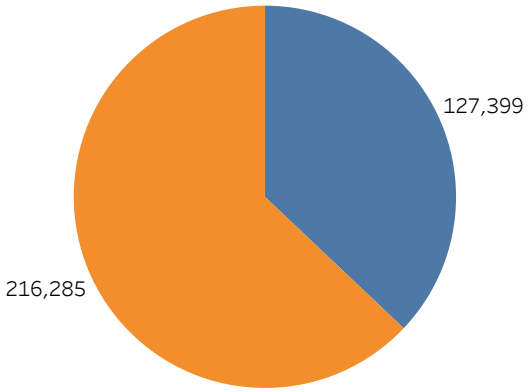
Travel Time Dashboard

Travel Time



Urbanicity
- Highly Rural/ Rural
- Highly Urban/ Urban

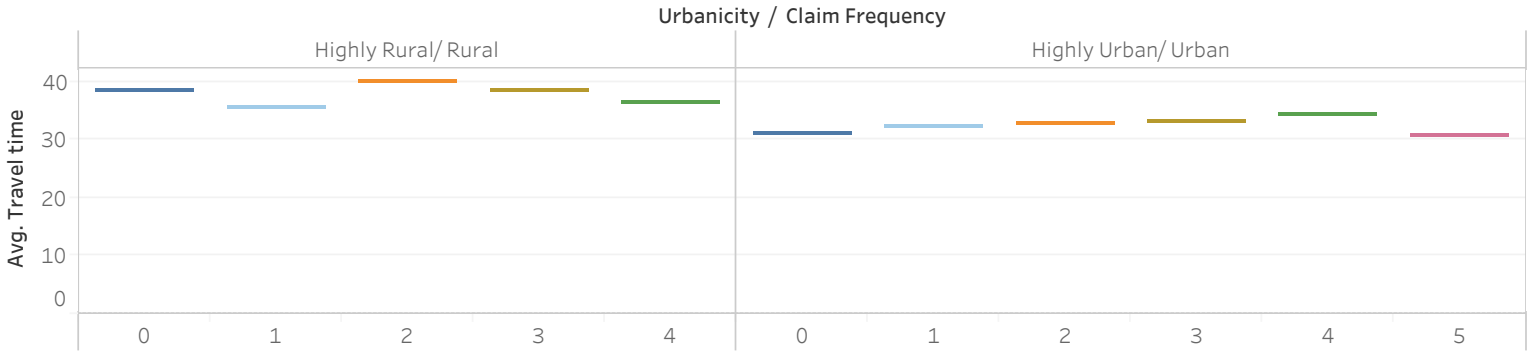
Car Use vs Travel Time



Car Use
- Commercial
- Private

Claim Frequency
- 0
- 1
- 2
- 3
- 4
- 5

Claim Freq vs Travel Time

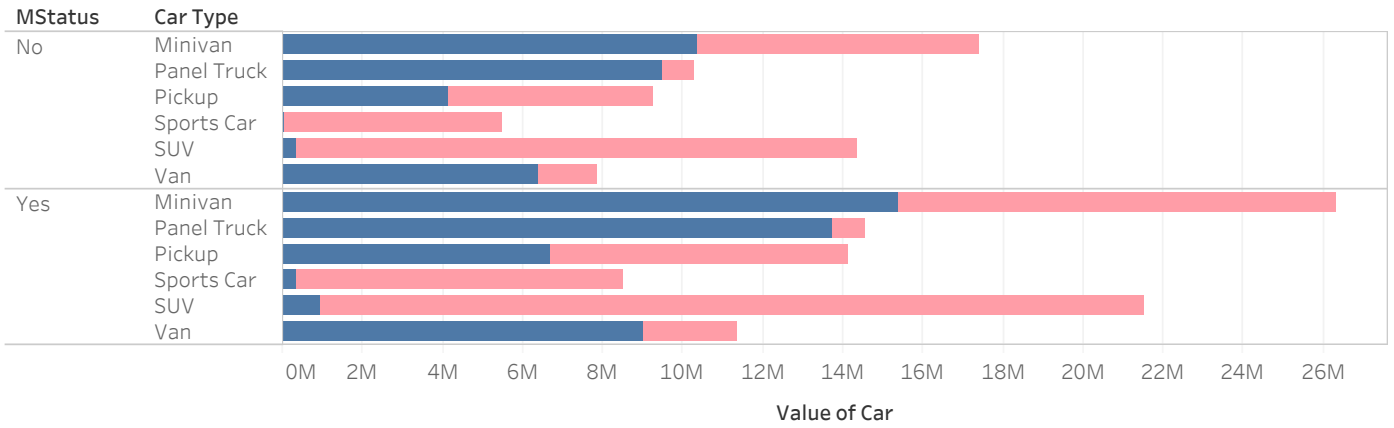


Claim Amount and Car Value by Gender and Marital Status

Claim Amount by Gender and Marital Status

MStatus
Yes
No

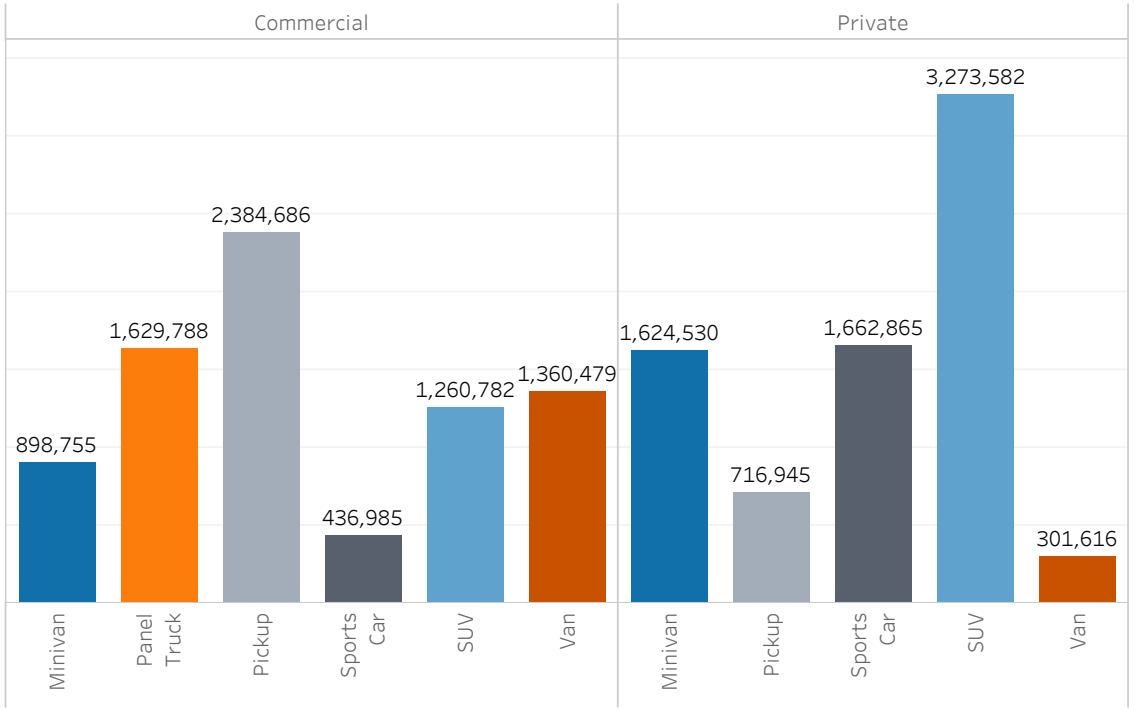
Car Value by Gender and Marital Status

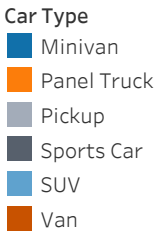


Gender
Female
Male

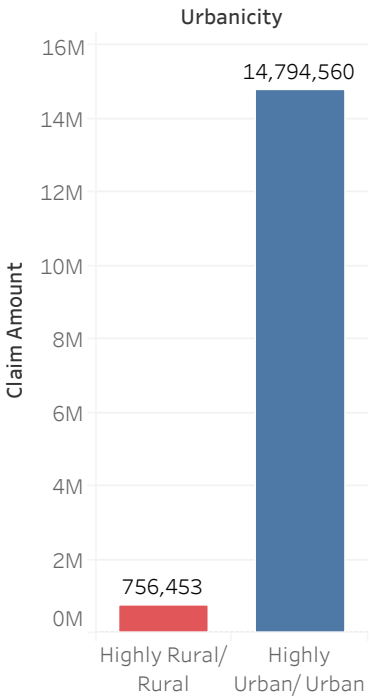
Claim Amount contribution by Car types and car usage.

Claim Amount and usage of car types.



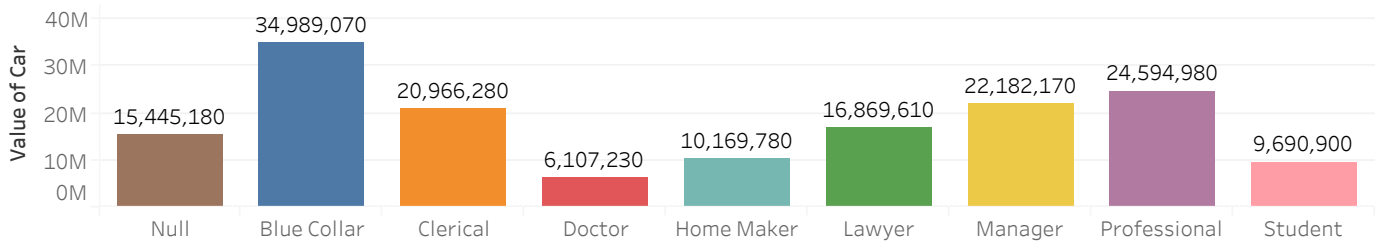


Urban/Rural

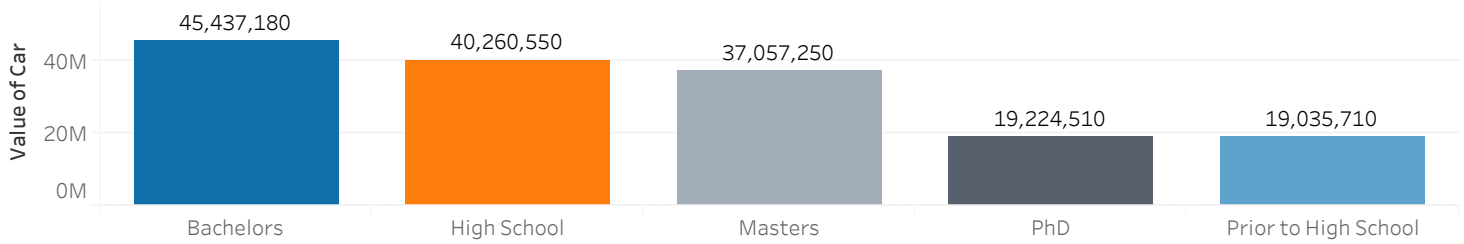


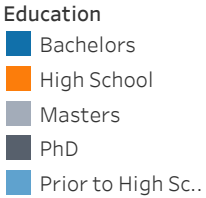
Bluebook dashboard

Value of Car by Level of Occupation



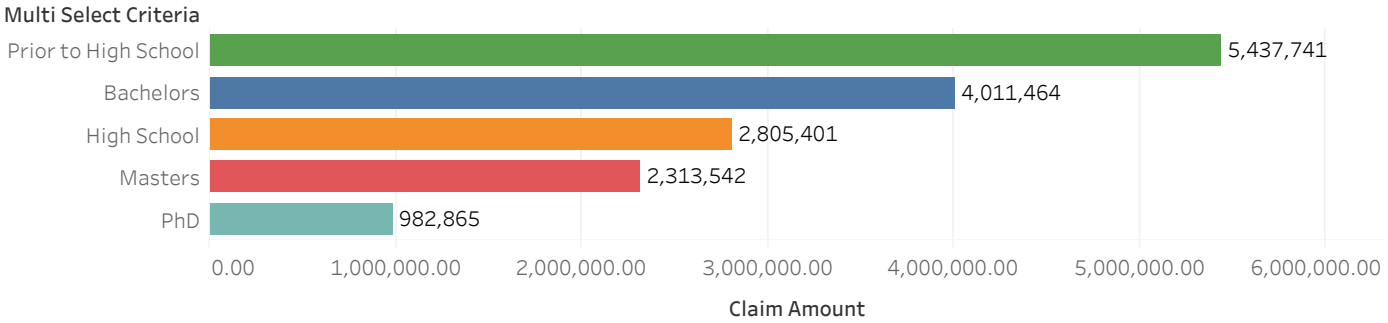
Value of Car by Level of Education



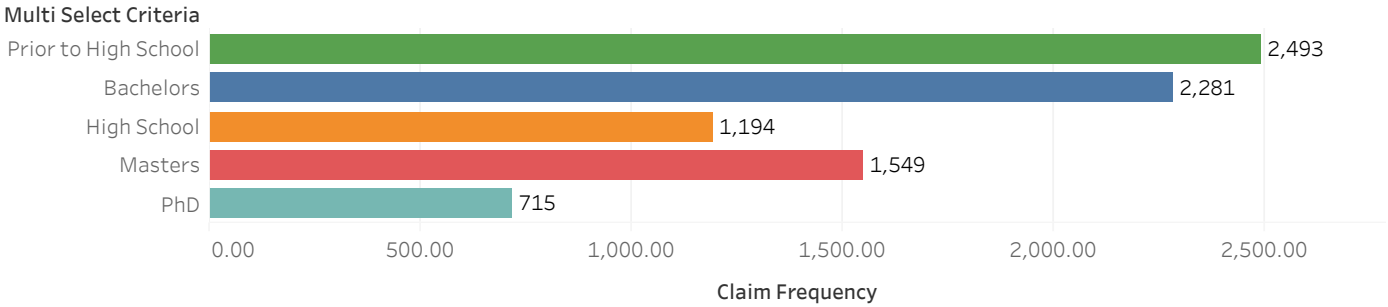


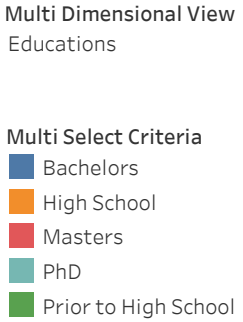
Multi dimensional Top N Claim and Frequency

Top `N Claim Amount



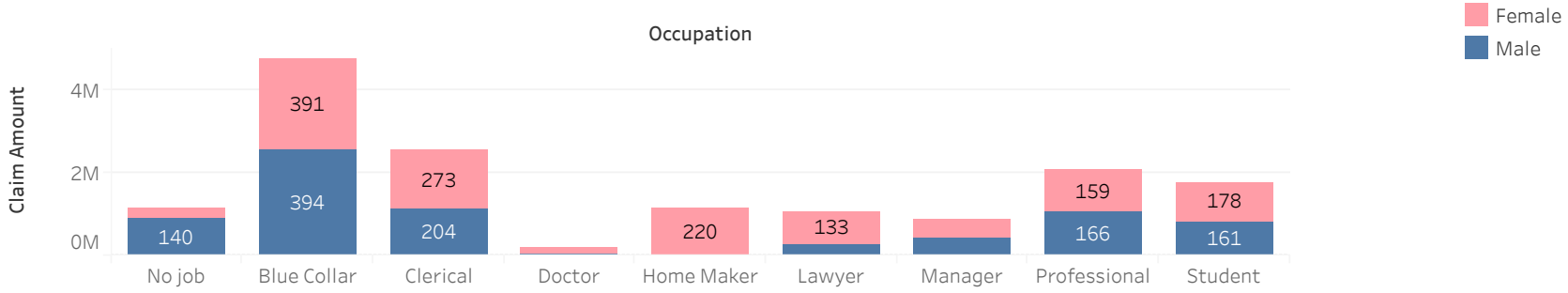
Top `N Claim Frequency



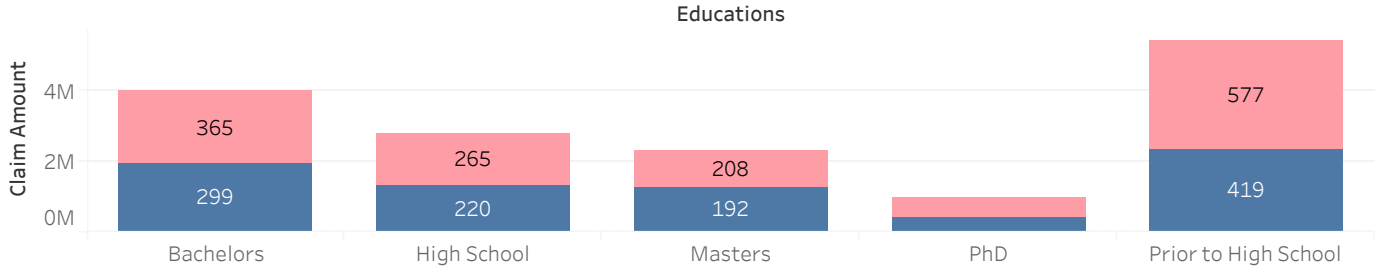


Calim by Education / Occupation w.r.t Gender

Claim by Occupation and Gender

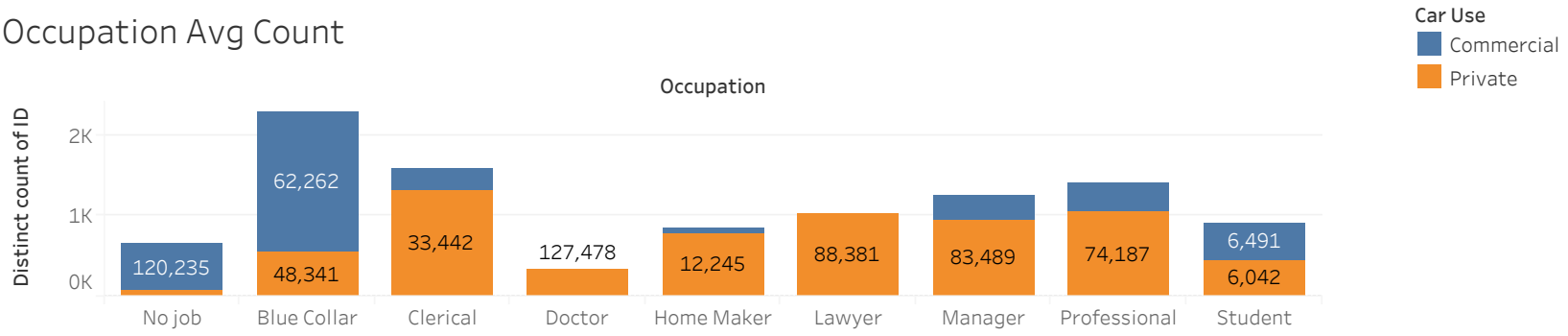


Claim by Occupation

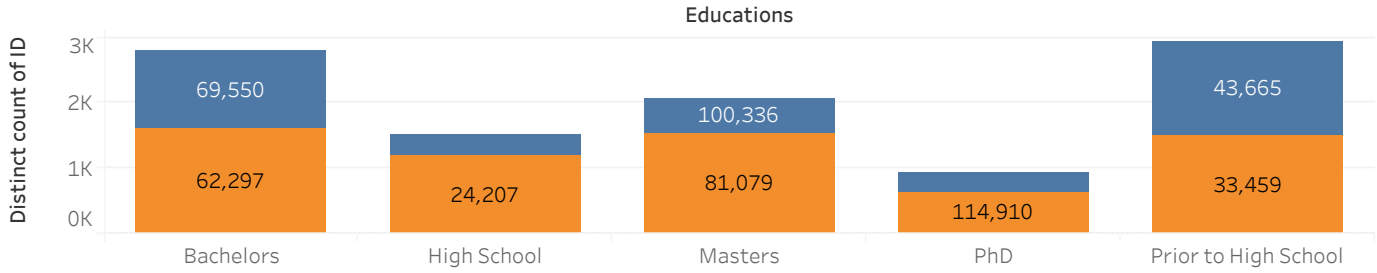


Average Count based on Car type

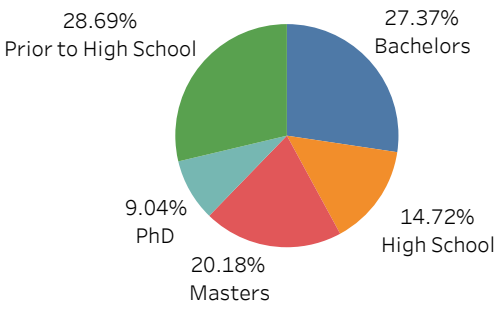
Occupation Avg Count



Education Avg Count

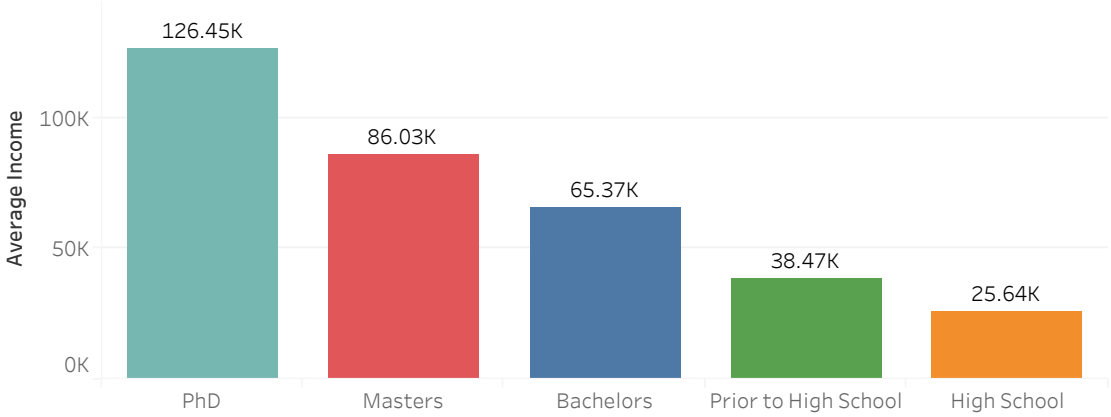


Pie Chart of Records

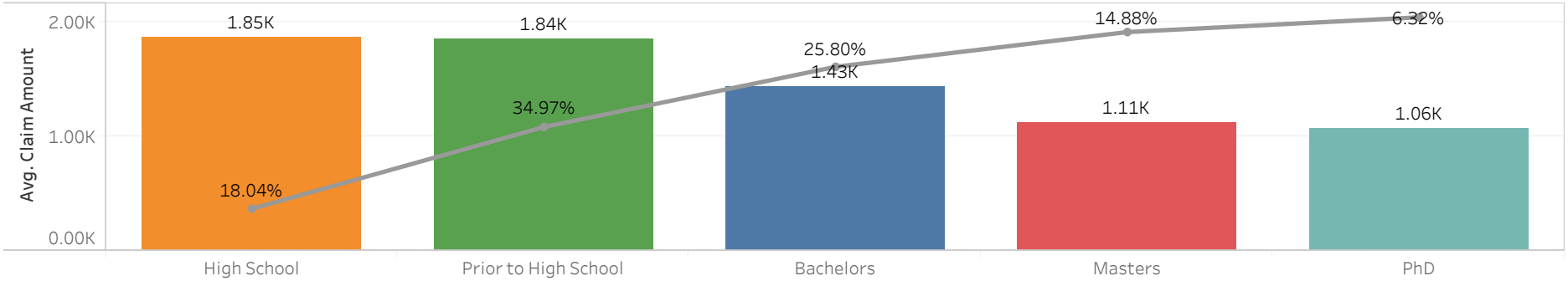


Income Distribution

Multi Dimensional View
Educations

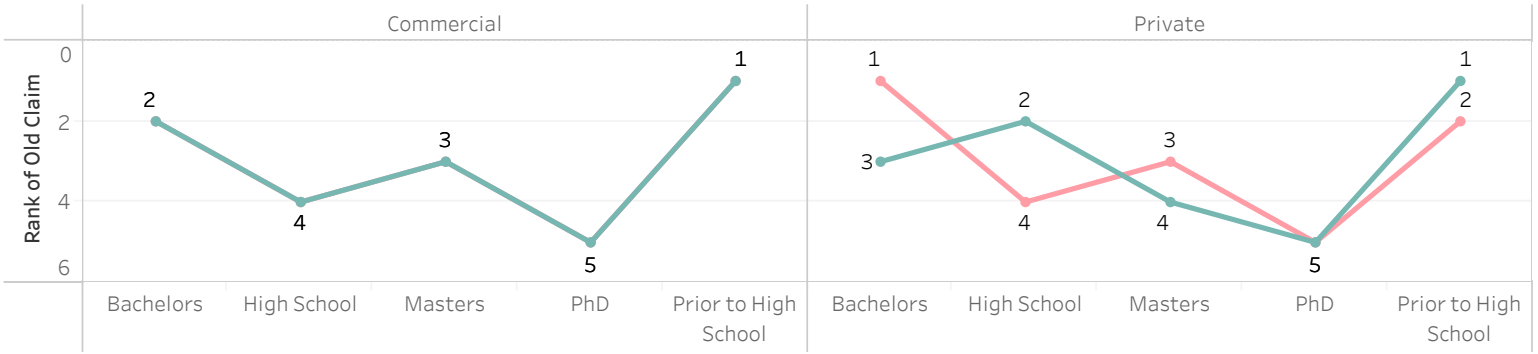


Claim Amount Distribution



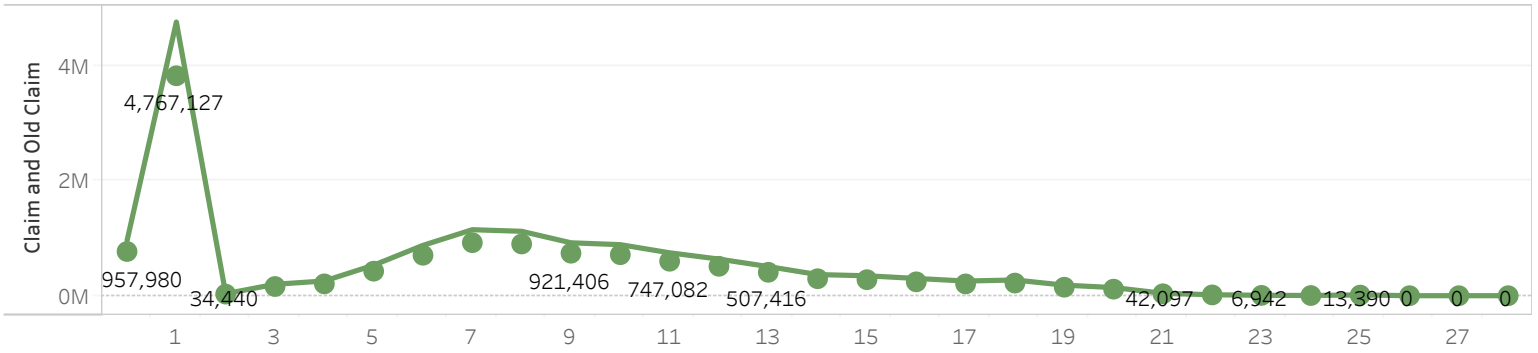
Rank Based on Car Type and Claim Based on Multi dimensions

Rank chart of Claims for Car Types



Multi Dimensional View
Educations

Claim Based on

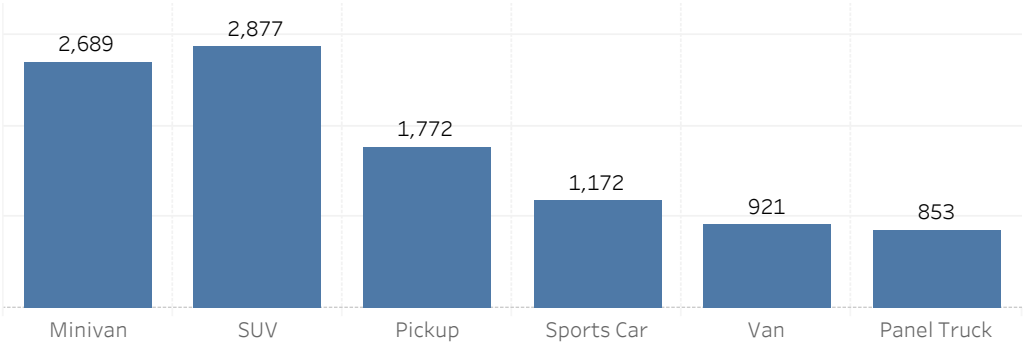


Claim Based on
Car Ages

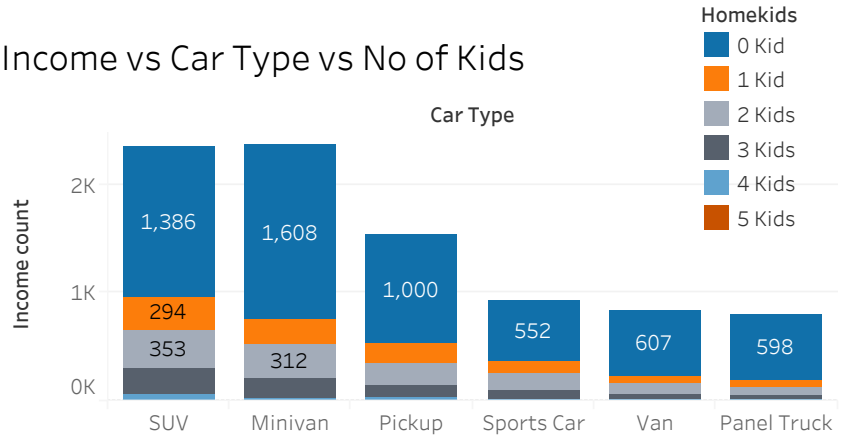
Claim and Old Claim
Claim Amount

Customer Information

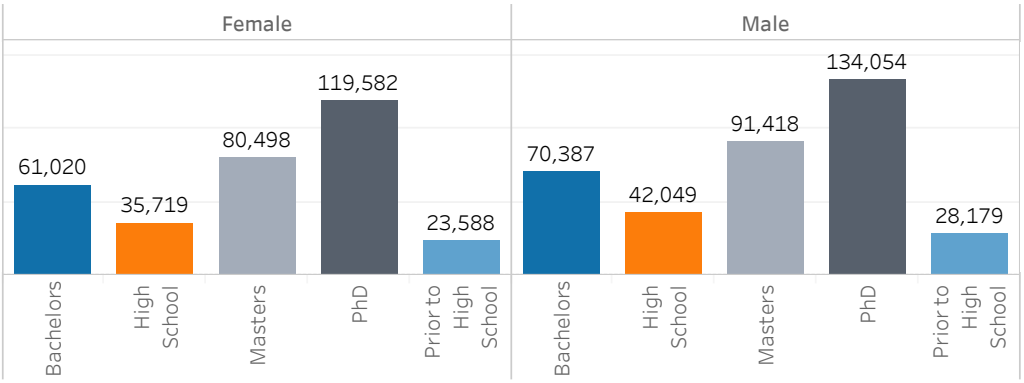
No. of Customers per Car Type



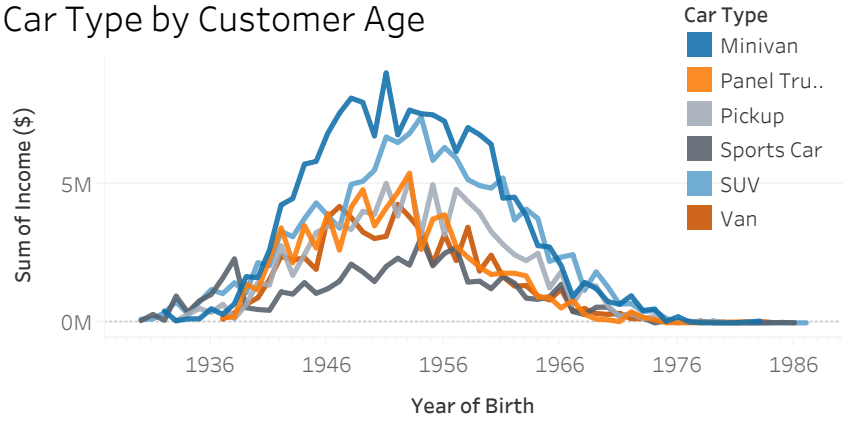
Income vs Car Type vs No of Kids



Avg Income by Education Level and Gender

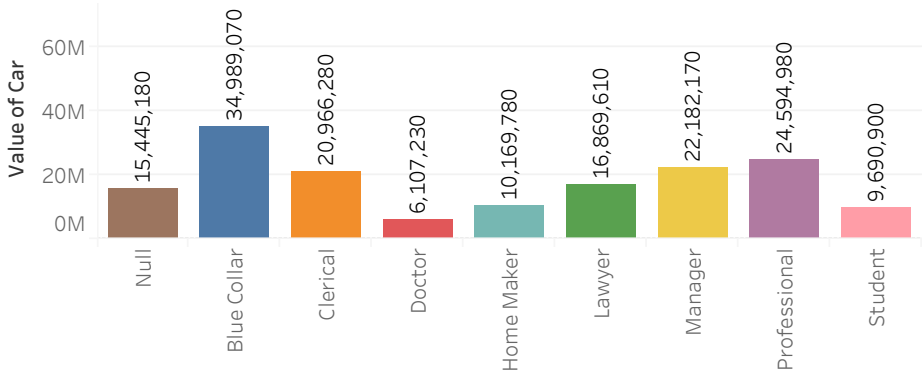


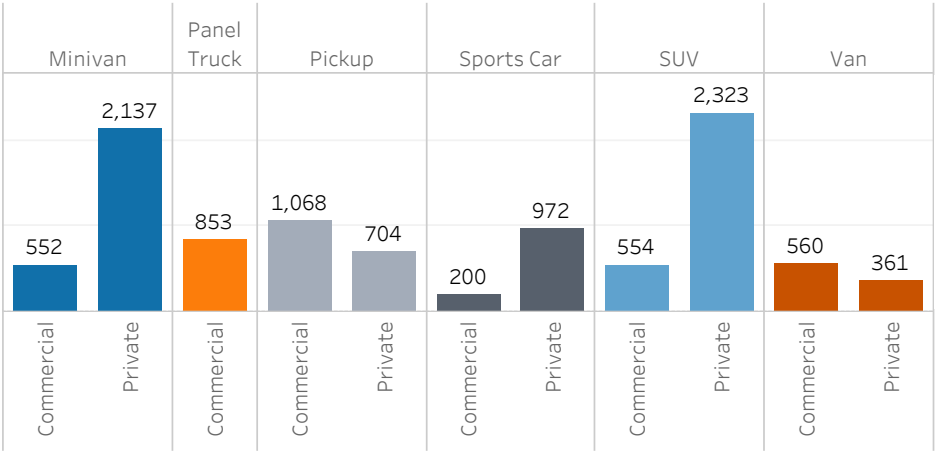
Car Type by Customer Age



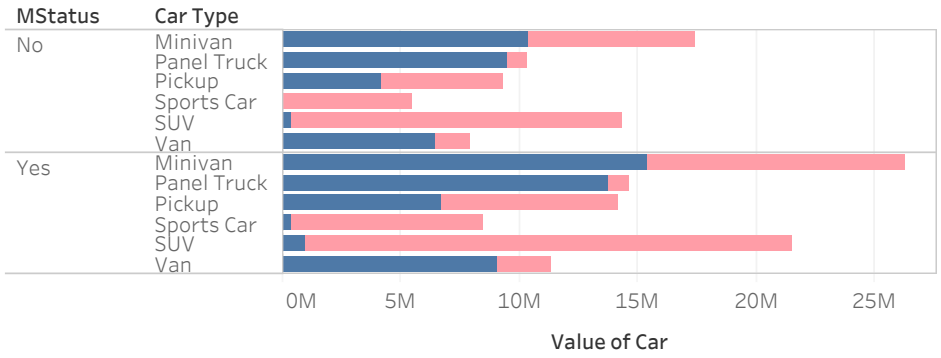
Vehicle Info

Value of Car by Level of Occupation

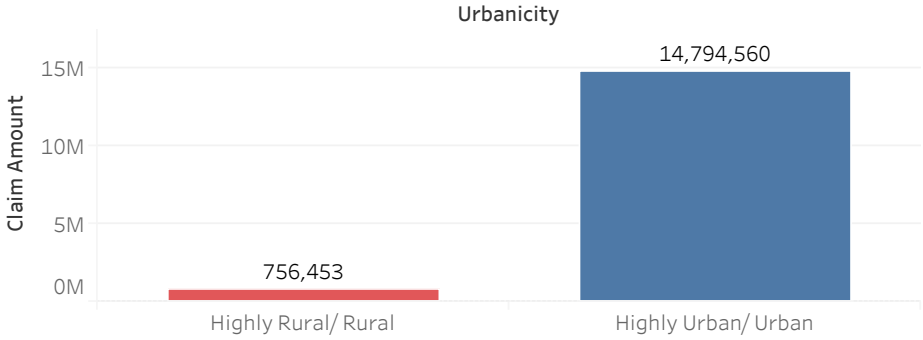




Car Value by Gender and Marital Status

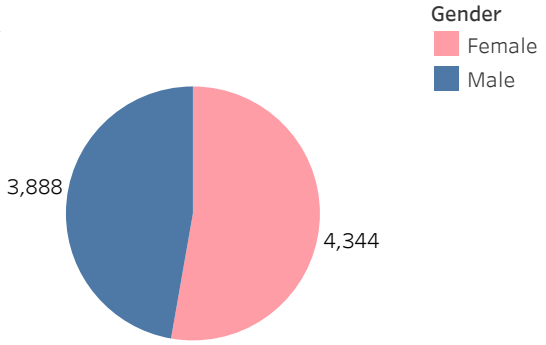


Urban/Rural

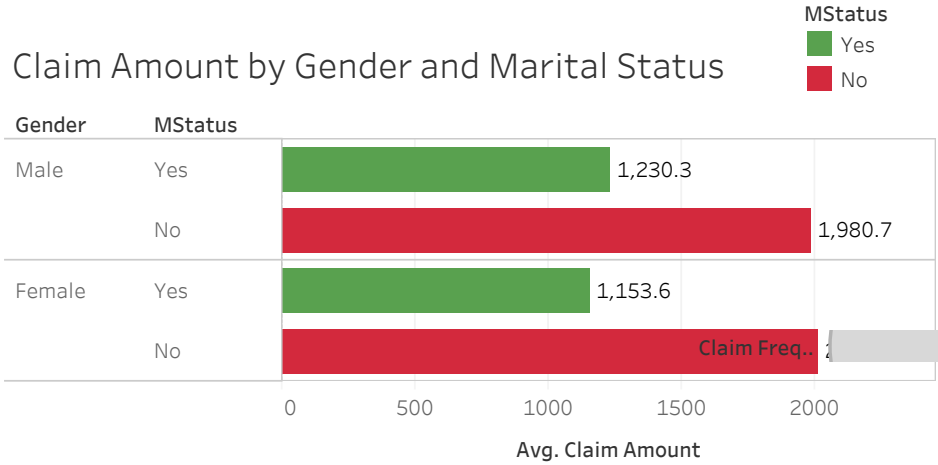


Claim Customers Info

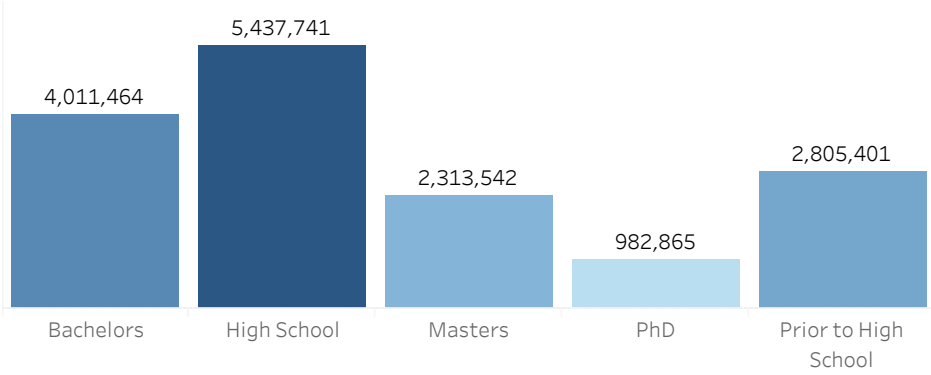
Claim Frequency



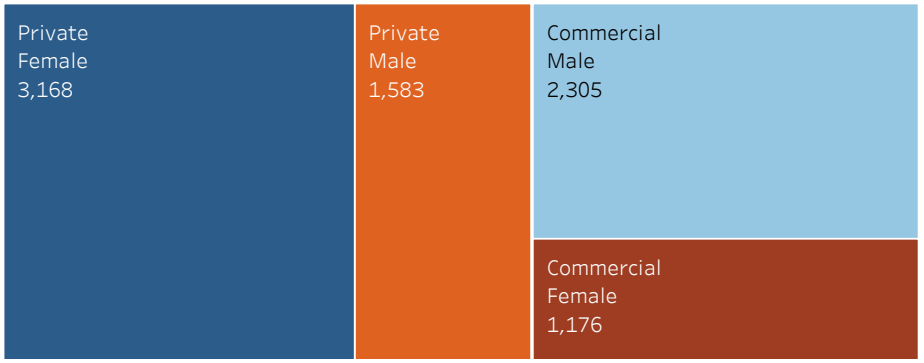
Claim Amount by Gender and Marital Status



Education vs Claim Amount

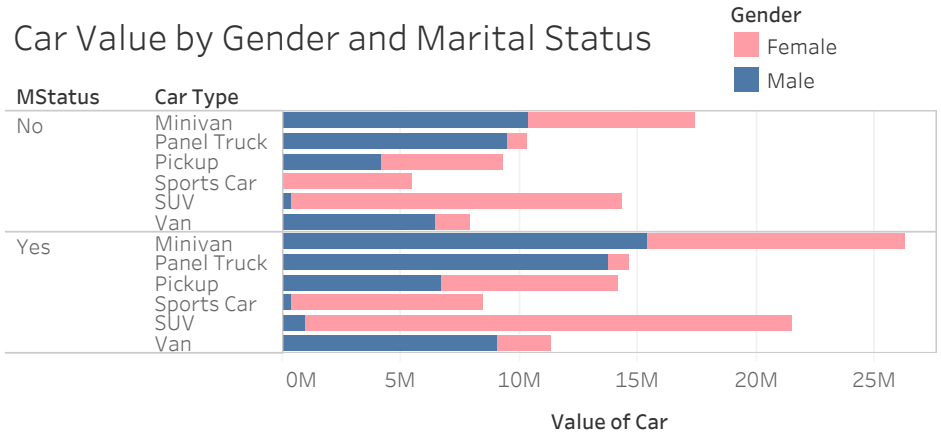


Frequency of Claim by Gender

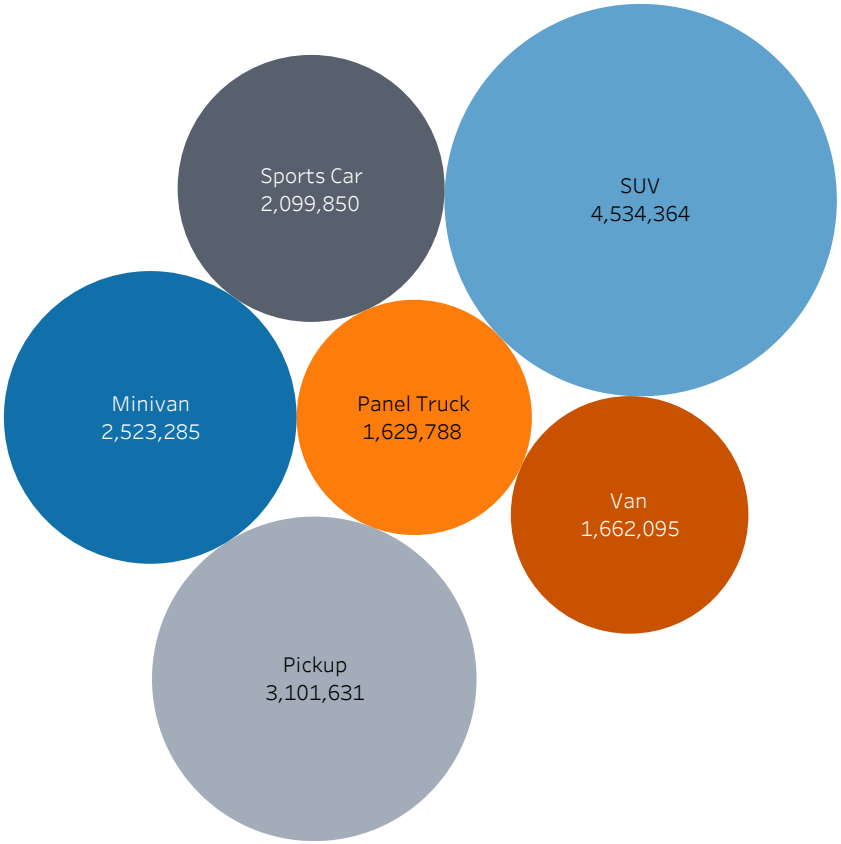


Claim by Car Info

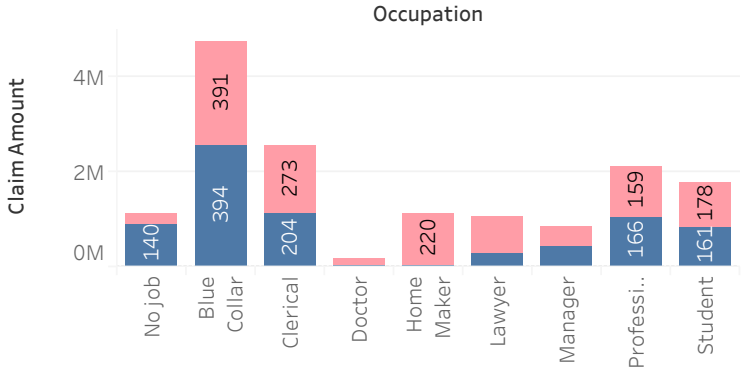
Car Value by Gender and Marital Status



Claims by Car Type

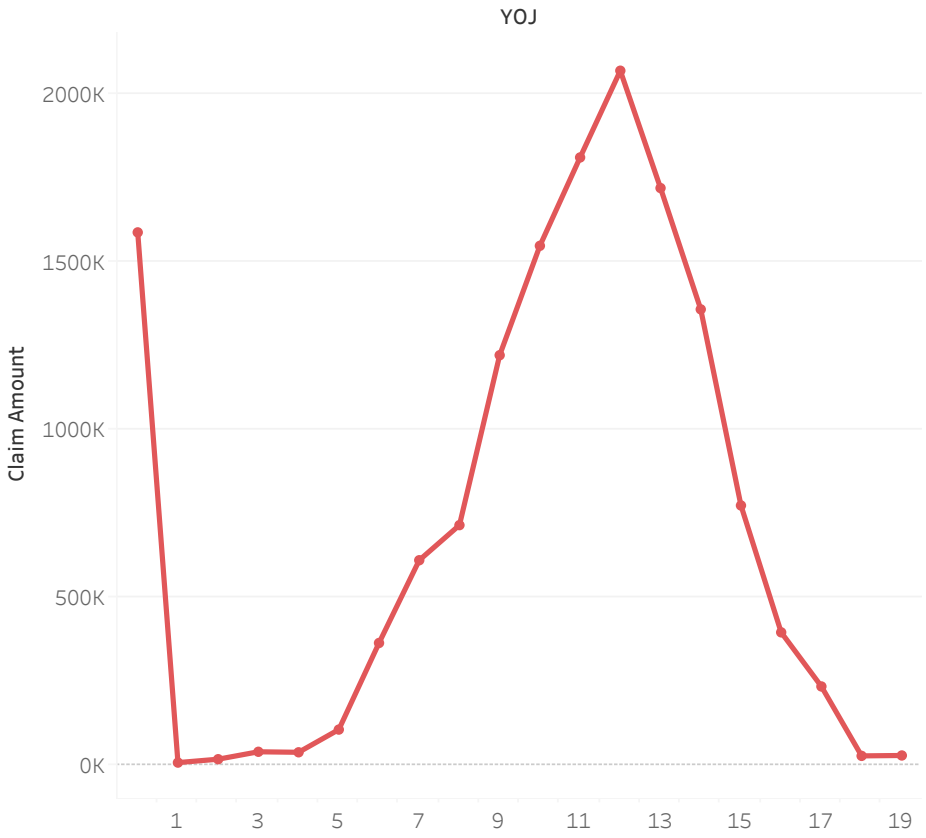


Claim by Occupation and Gender

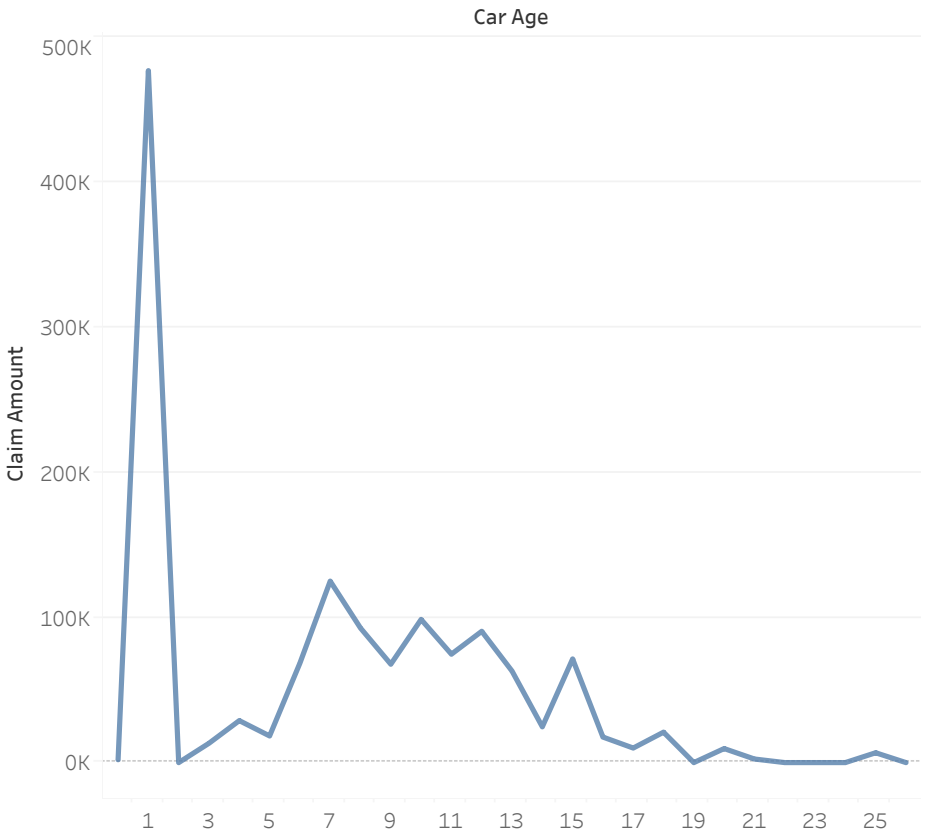


Claim-Aging History

Insurance Period

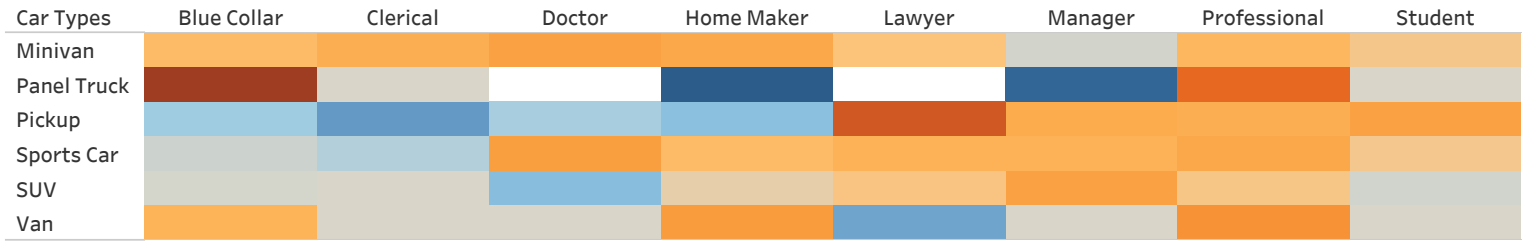


Car Age



Correlation Dashboard

Occupation based Correlation between Claimed Amount and the Income



Cor Claim amt/income

-0.703 0.453

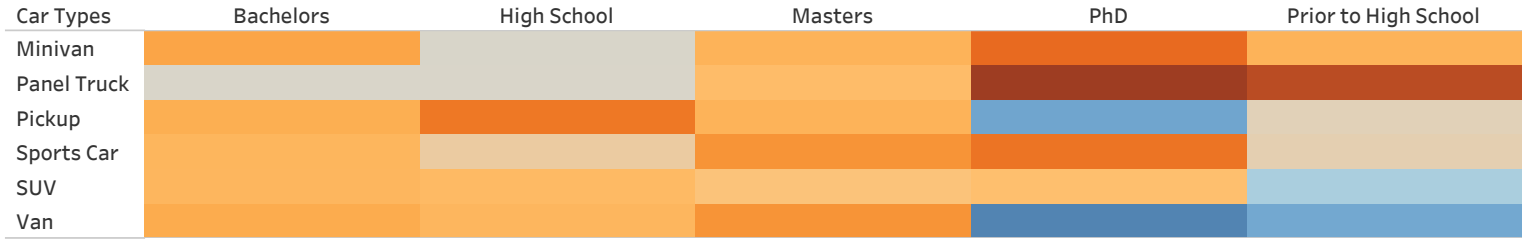
Gender/Sex

Female

Marital Status

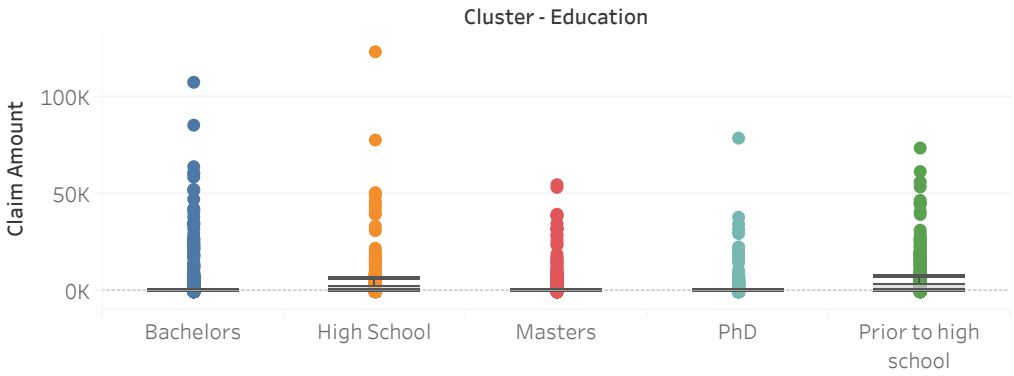
Yes

Education based Correlation between Claimed Amount and the Income

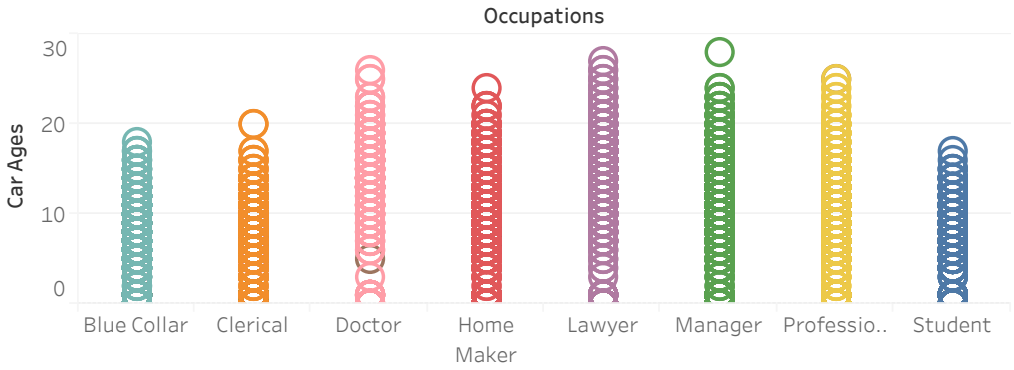


Clustering dashboard

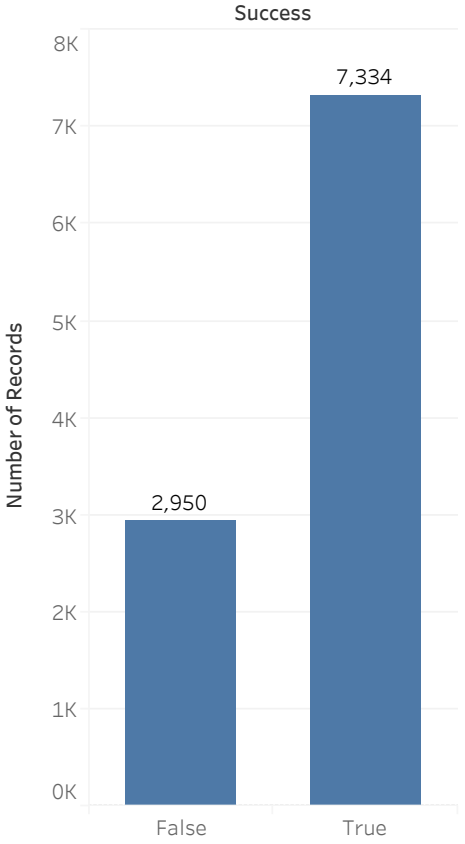
Clustering Education



Clustering - Occupation

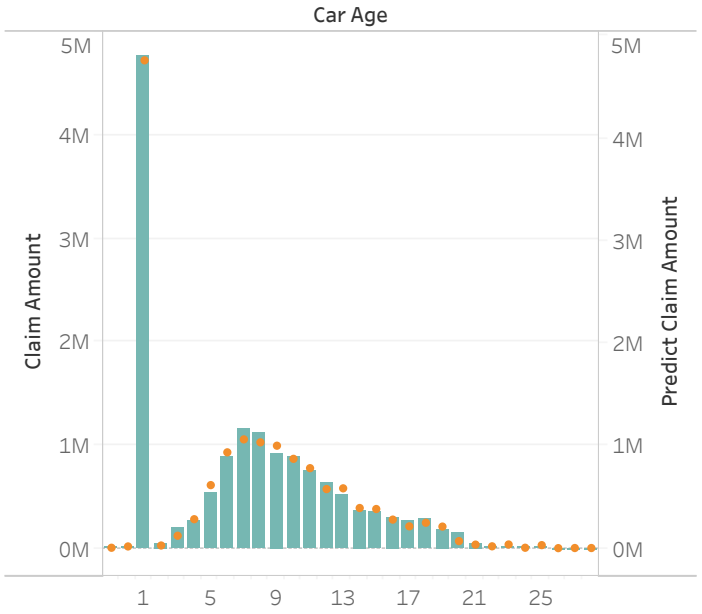


Success

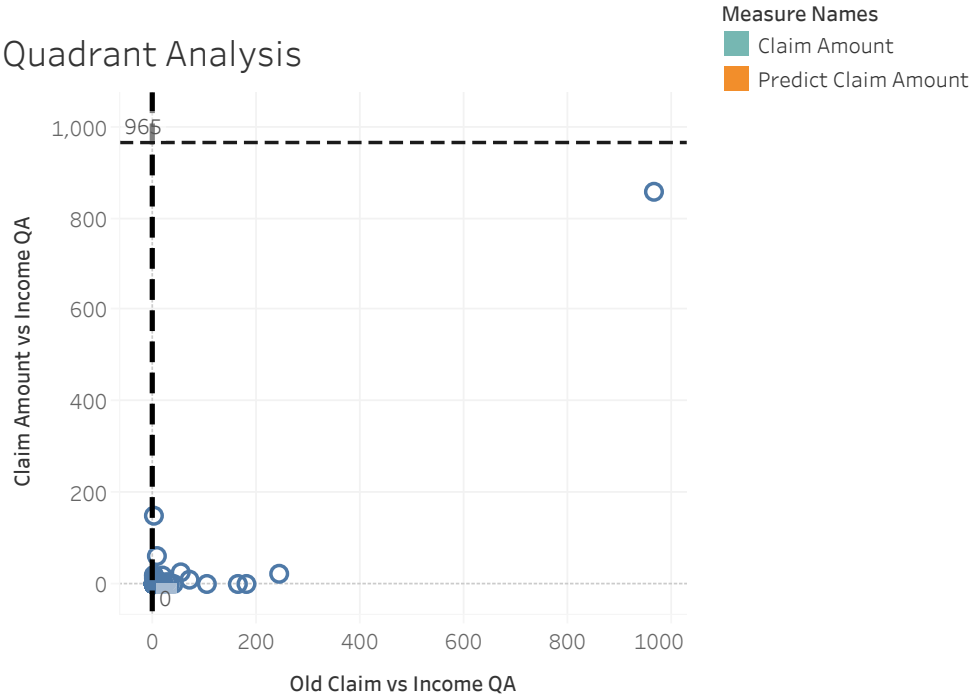


Predicted Claim Amount w.r.t Car Age & Quadrant Analysis

Predictive Analysis

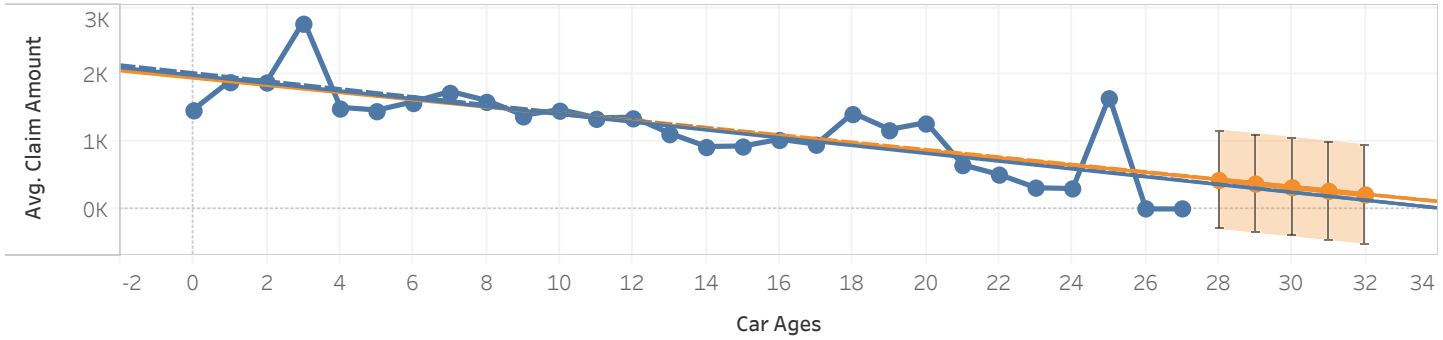


Quadrant Analysis



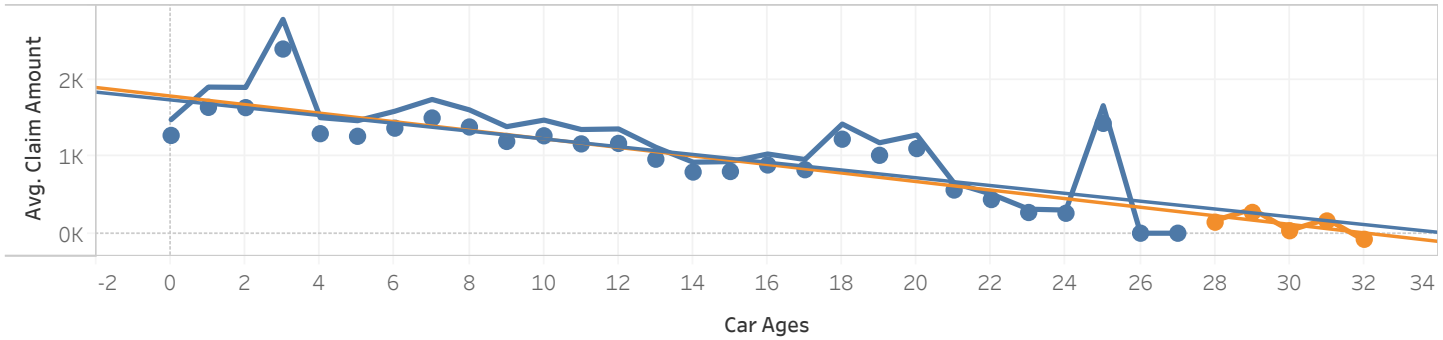
Claim Frequency Forecasting

Claim Forecasting for Car age



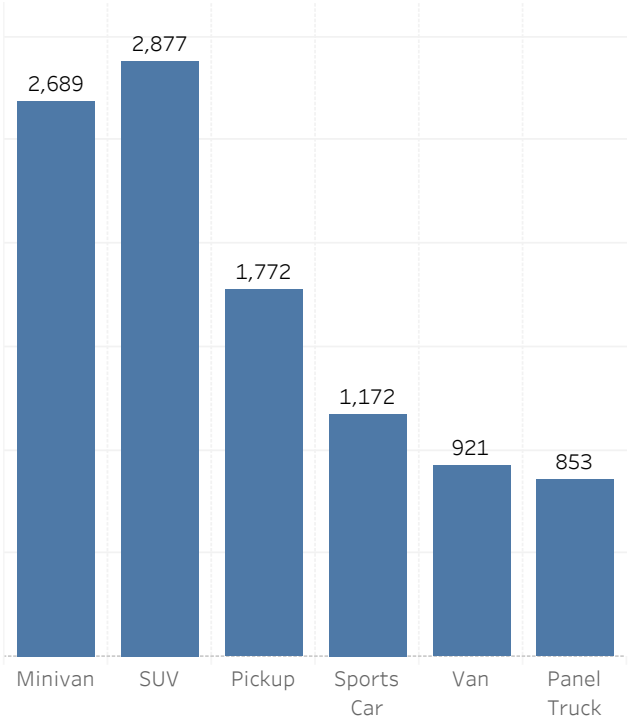
Forecast indicator
Actual
Estimate

Claim Forecasting using additive trend and additive seasonality



Insurance Claim Analysis

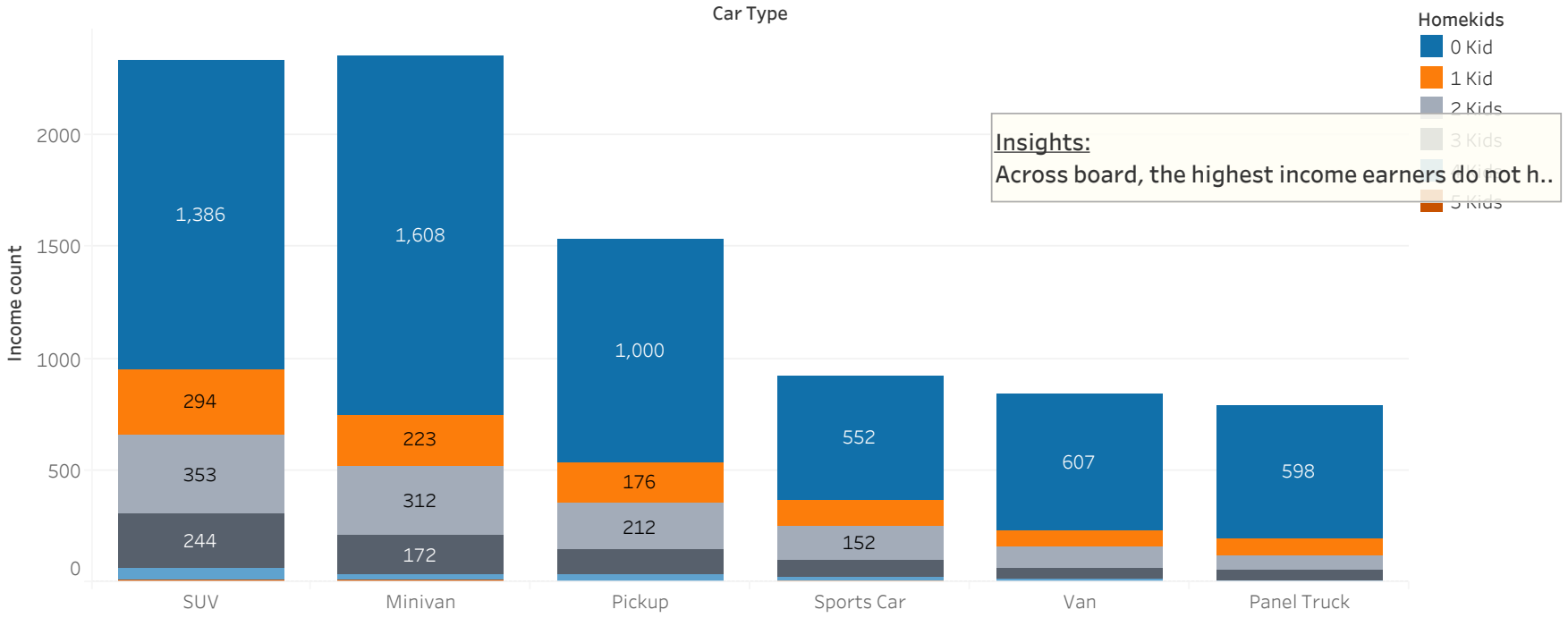
Customer count by car owned	Customer car choice as affected by income and number of kids	Influence of customer income on choices between genders	Car type and their use	Highest claims per customer	Location of customers and mileage clocked	Claims by Gender	Cla ims b..



Insights:
More customers fall within SUV and Minivan user r..

Insurance Claim Analysis

Customer count by car owned | **Customer car choice as affected by income and number of kids** | Influence of customer income on choices between genders | Car type and their use | Highest claims per customer | Location of customers and mileage clocked | Claims by Gender | Cla ims b..

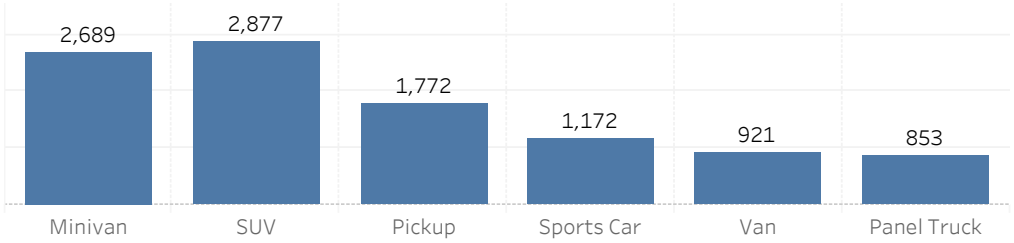


Insurance Claim Analysis

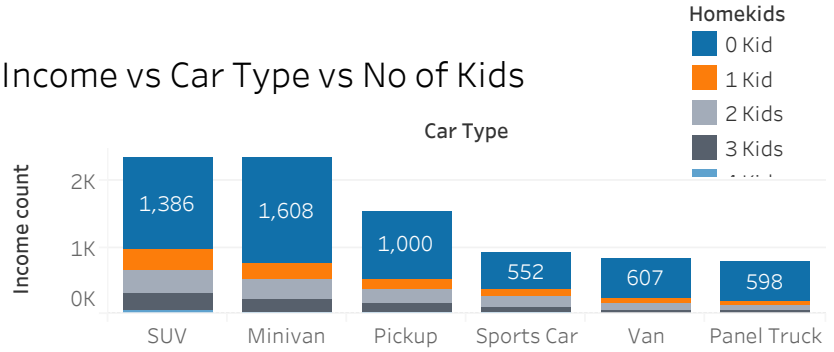
Customer count by car owned | Customer car choice as affected by income and number of kids | Influence of customer income on choices between genders | Car type and their use | Highest claims per customer | Location of customers and mileage clocked | Claims by Gender | Cla ims b..

Customer Information

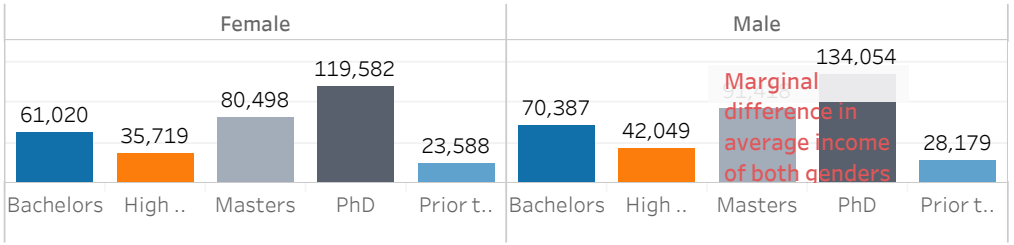
No. of Customers per Car Type



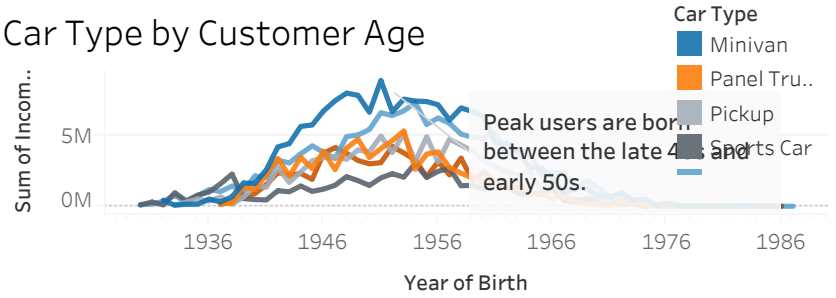
Income vs Car Type vs No of Kids



Avg Income by Education Level and Gender

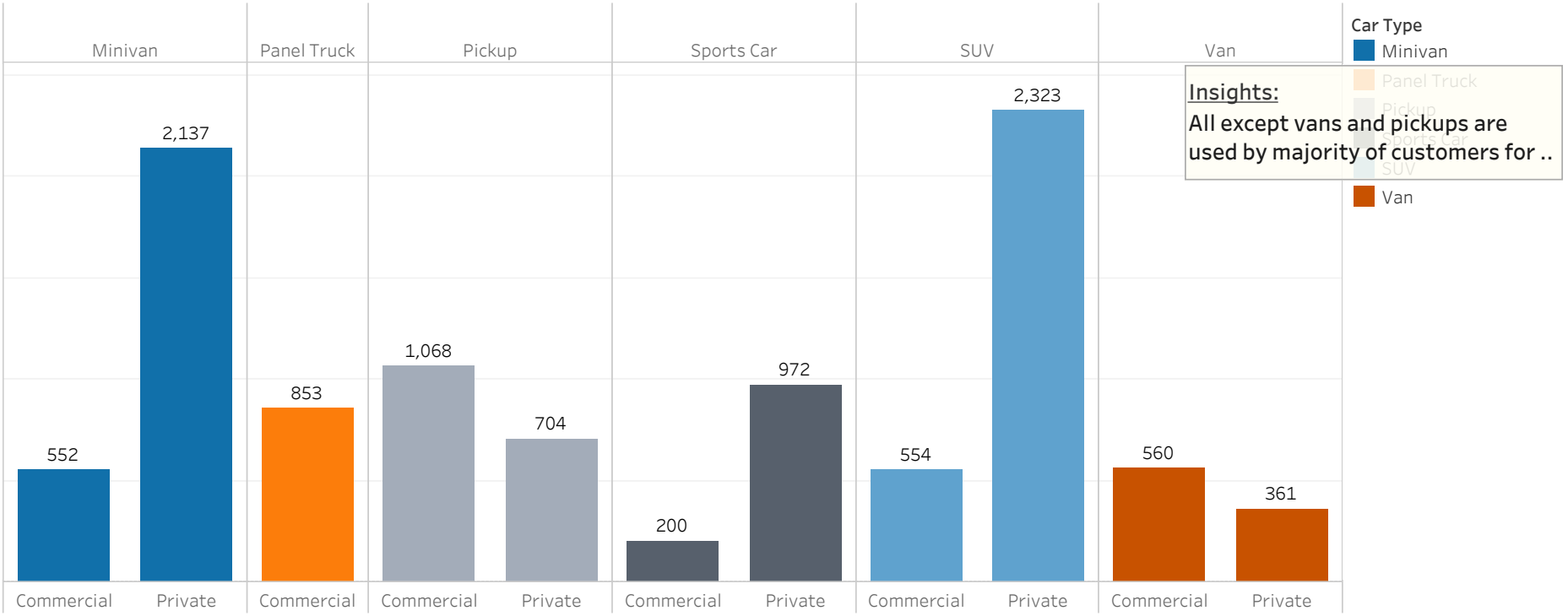


Car Type by Customer Age



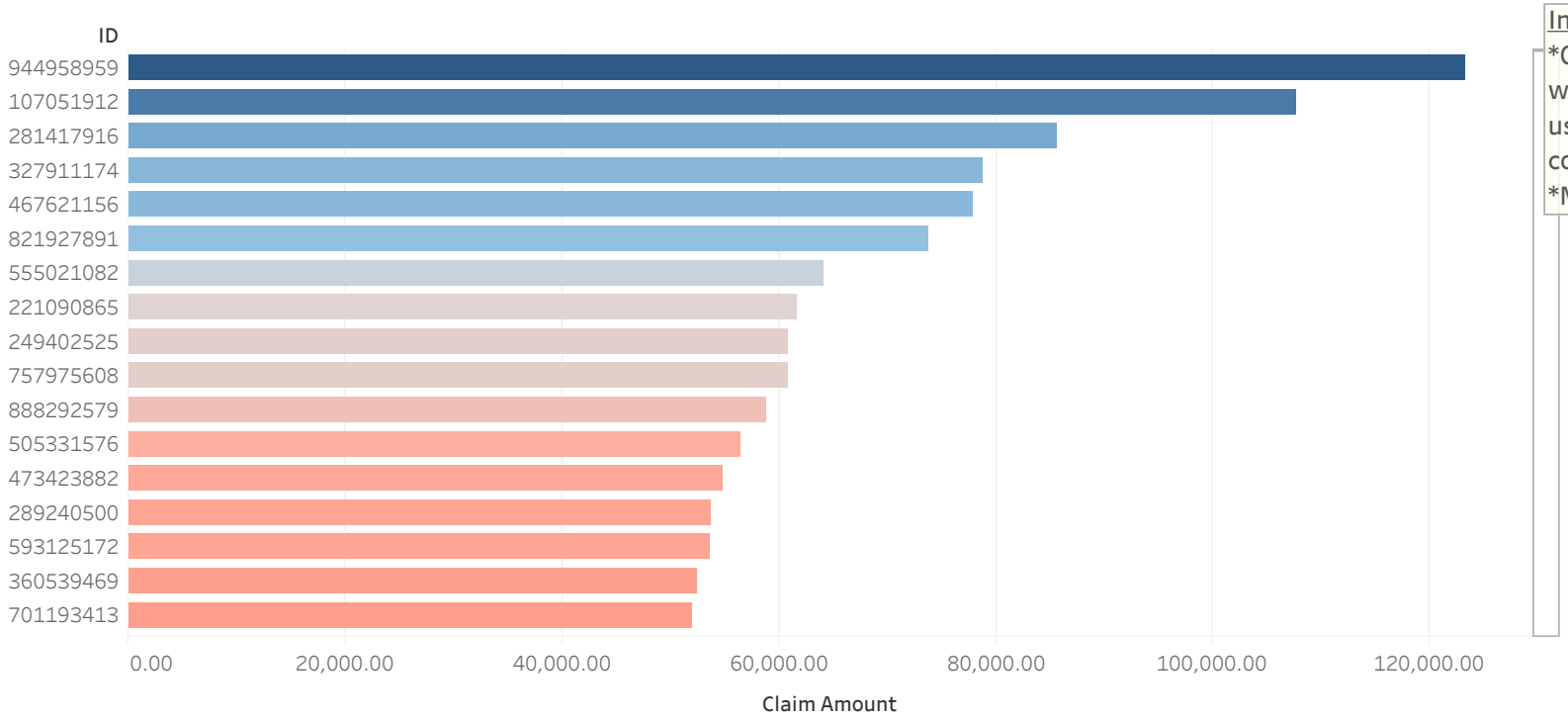
Insurance Claim Analysis

Customer count by car owned | Customer car choice as affected by income and number of kids | Influence of customer income on choices between genders | **Car type and their use** | Highest claims per customer | Location of customers and mileage clocked | Claims by Gender | Cla ims b..



Insurance Claim Analysis

Customer car choice as affected by income and number of kids | Influence of customer income on choices between genders | Car type and their use | **Highest claims per customer** | Location of customers and mileage clocked | Claims by Gender | Claims by Female gender | Cl ai ..



Insights

*Of top 10 customers with highest claims, 8 use vehicles for commercial use.

*More than 200% jump..

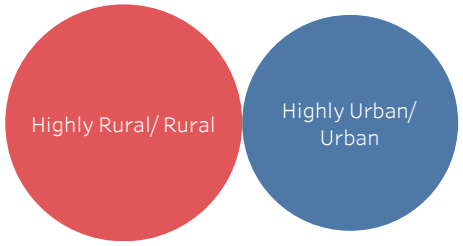
Insurance Claim Analysis

Influence of customer income on choices between genders | Car type and their use | Highest claims per customer | **Location of customers and mileage clocked** | Claims by Gender | Claims by Female gender | Claims by Car type | Cl ai ..

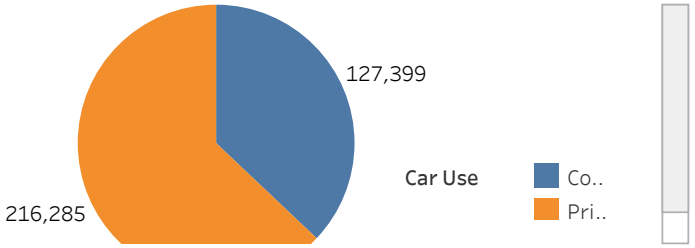
Mileage

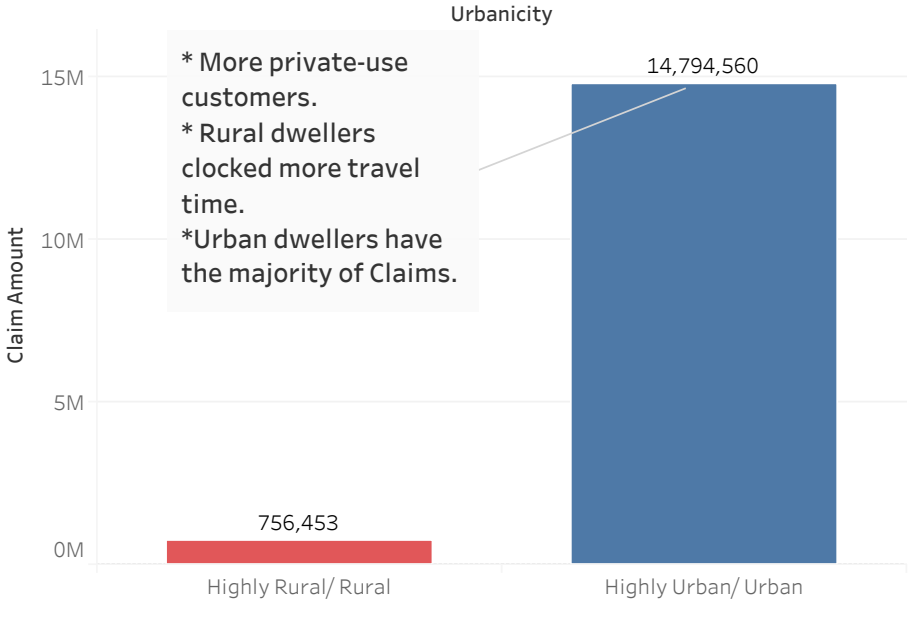
Travel time

Travel Time



Car Use vs Travel Time



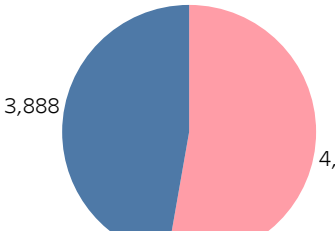


Insurance Claim Analysis

Car type and their use | Highest claims per customer | Location of customers and mileage clocked | Claims by Gender | Claims by Female gender | Claims by Car type | Claims - Aging History | Cl u. .

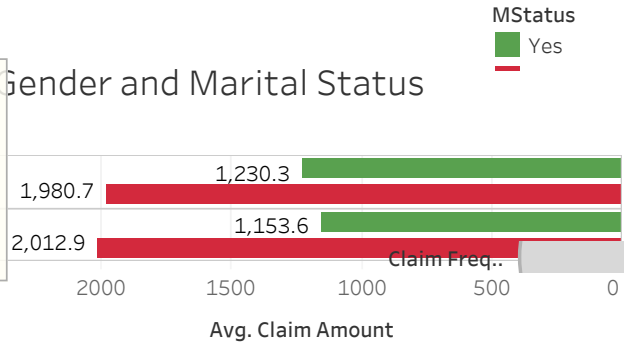
Claim Customers Info

Claim Frequency

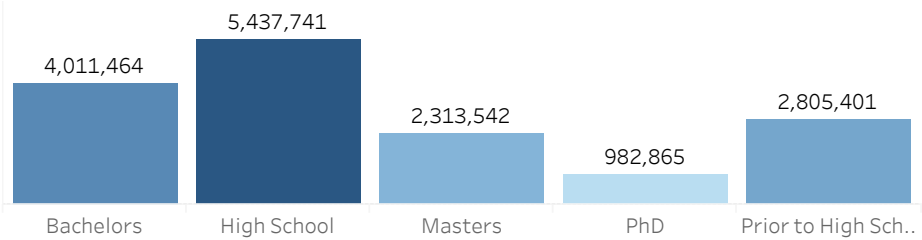


Insights:
*Most claims are by unmarried people, almost doubling claims from married counterparts.
*More claims by females with cars for private use.
*Higher claims by males with cars for commercial use...

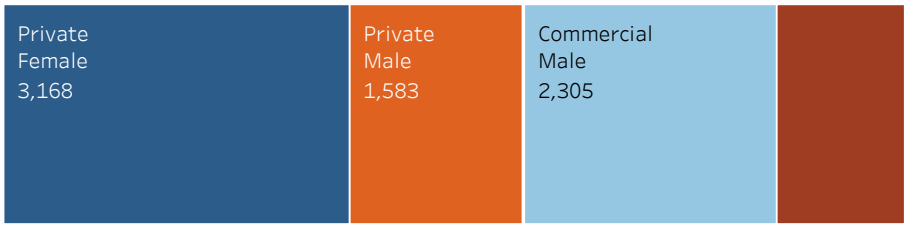
Claim Amount by Gender and Marital Status



Education vs Claim Amount



Frequency of Claim by Gender

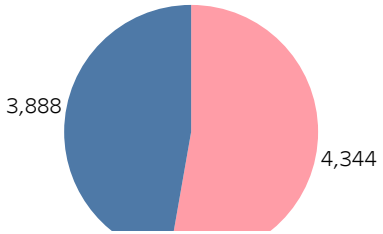


Insurance Claim Analysis

Highest claims per customer | Location of customers and mileage clocked | Claims by Gender | Claims by Female gender | Claims by Car type | Claims - Aging History | Clustering by Education & Occupation | C or r..

Claim Customers Info

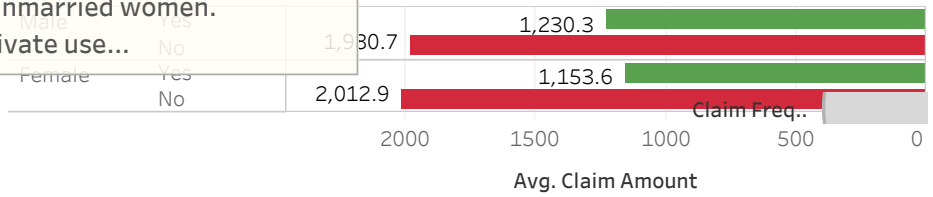
Claim Frequency



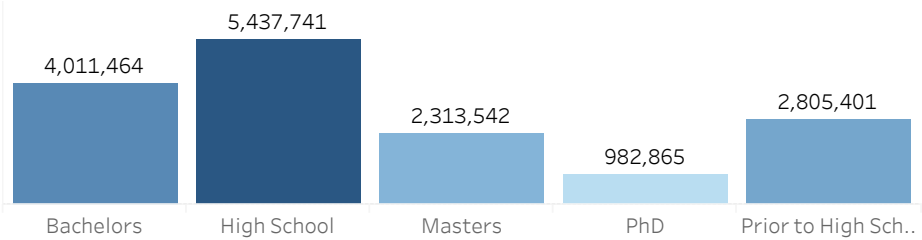
Gender
Female

Insights:
*Highest claims from unmarried women.
*More cars used for Private use...

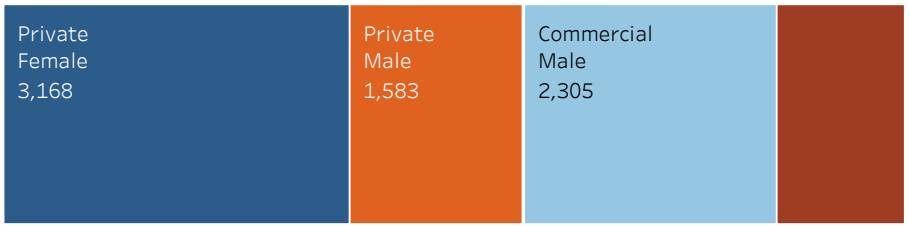
Claim Amount by Gender and Marital Status



Education vs Claim Amount



Frequency of Claim by Gender

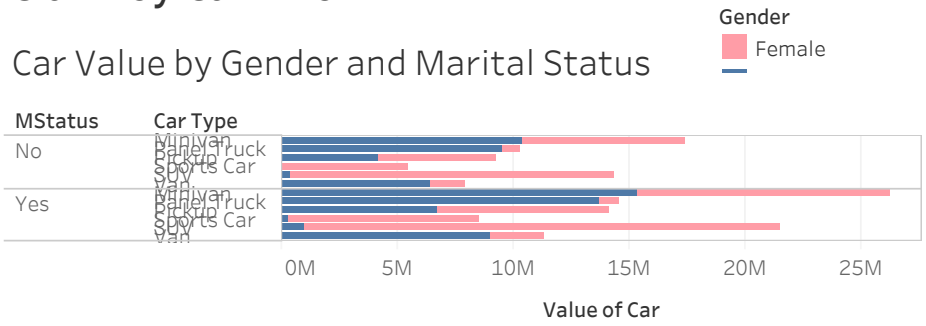


Insurance Claim Analysis

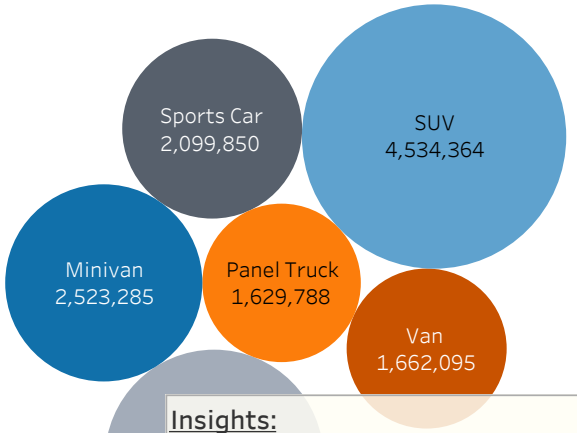
Location of customers and mileage clocked | Claims by Gender | Claims by Female gender | **Claims by Car type** | Claims - Aging History | Clustering by Education & Occupation | Correlation between Claim amount and Income (Filter with G.. | F or ..

Claim by Car Info

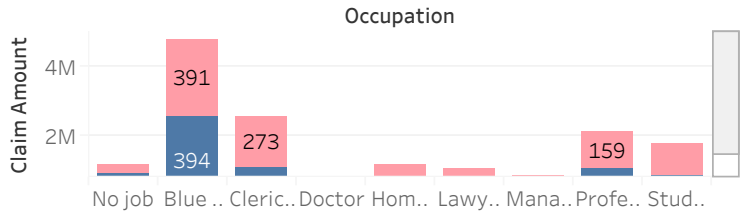
Car Value by Gender and Marital Status



Claims by Car Type



Claim by Occupation and Gender



Insights:

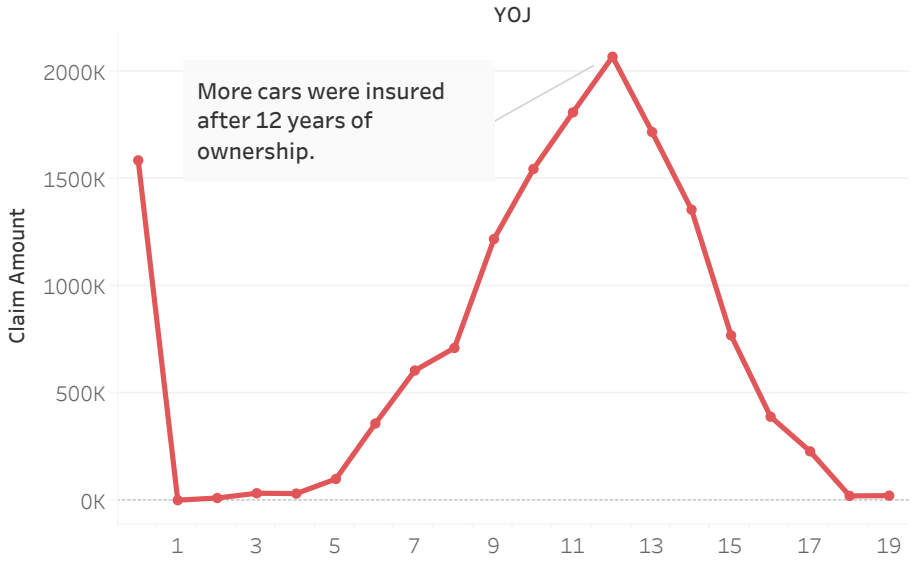
*SUV, Pickup and Minivans had the most claims.
*Vehicles owned by married people had higher value.
*More men own Panel Trucks, Vans and Minivans.
*More women own SUVs...

Insurance Claim Analysis

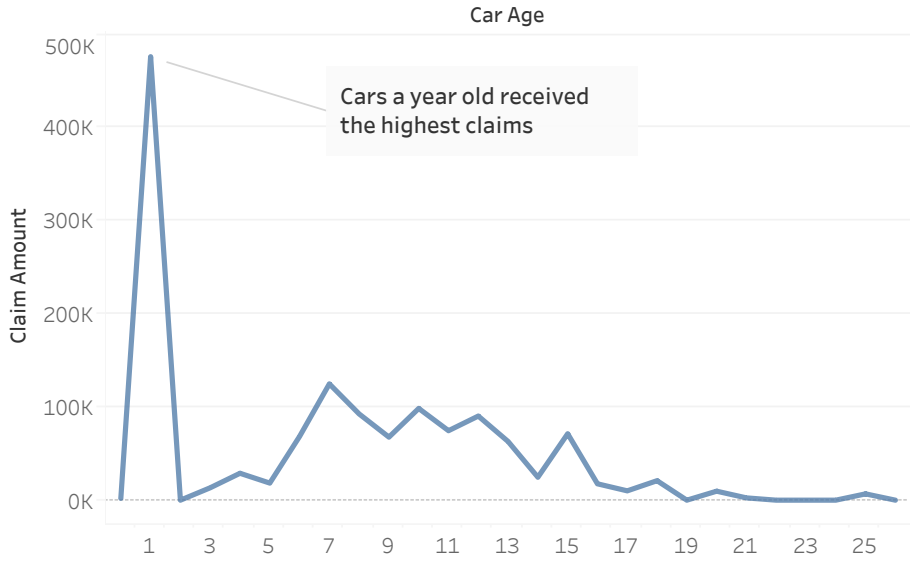
Loc ati on.. | Claims by Gender | Claims by Female gender | Claims by Car type | **Claims - Aging History** | Clustering by Education & Occupation | Correlation between Claim amount and Income (Filter with G.. | Forecasting of Claim Amount with respect to Car Age with differ..

Claim-Aging History

Insurance Period



Car Age

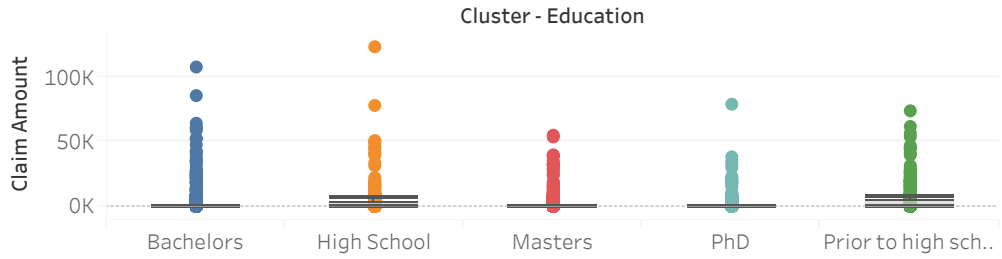


Insurance Claim Analysis

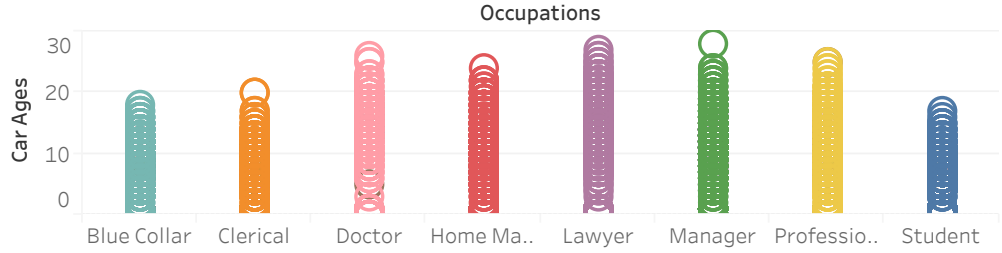
Loc ati on..	Claims by Gender	Claims by Female gender	Claims by Car type	Claims - Aging History	Clustering by Education & Occupation	Correlation between Claim amount and Income (Filter with G..	Forecasting of Claim Amount with respect to Car Age with differ..

Clustering dashboard

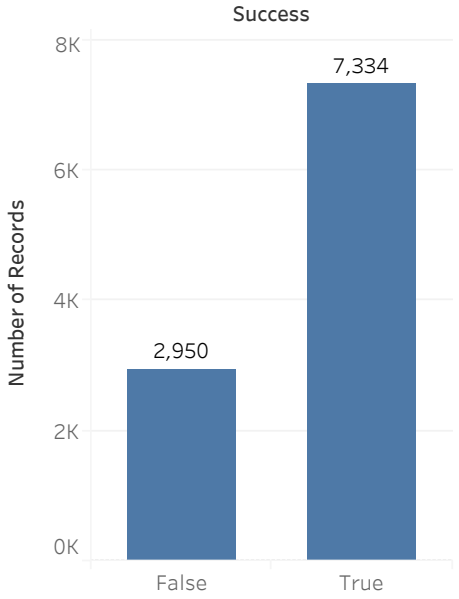
Clustering Education



Clustering - Occupation



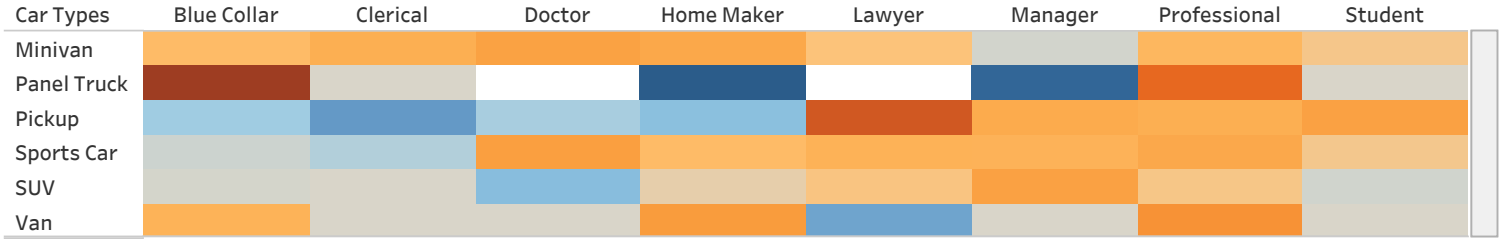
Success



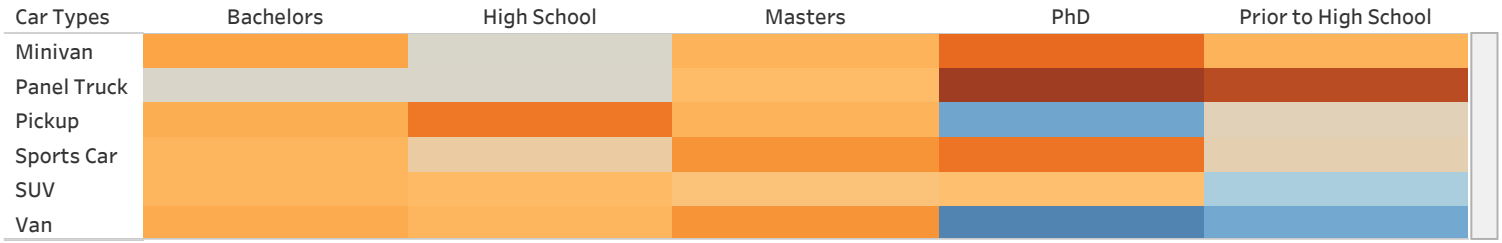
Insurance Claim Analysis

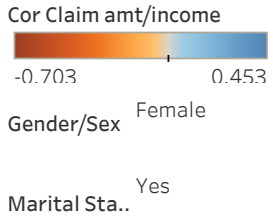
Correlation Dashboard

Occupation based Correlation between Claimed Amount and the Income



Education based Correlation between Claimed Amount and the Income



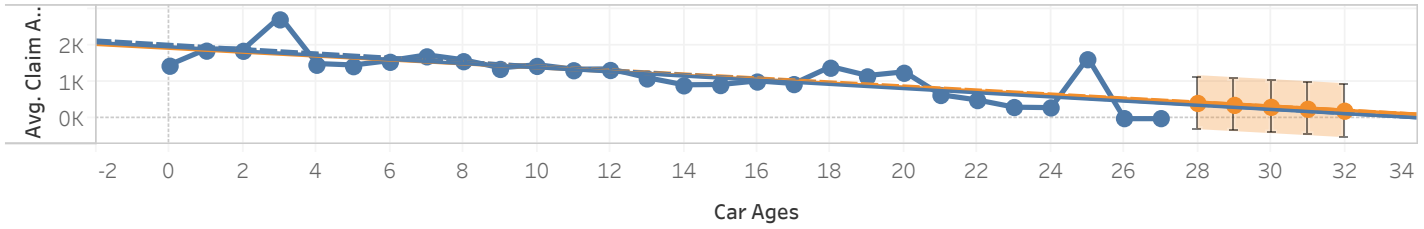


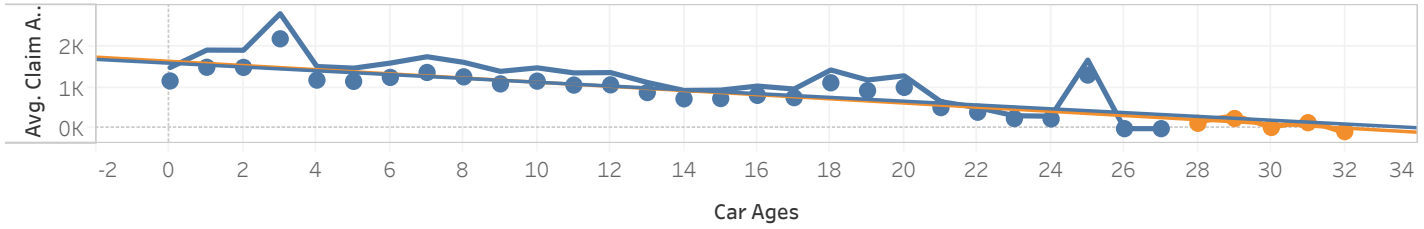
Insurance Claim Analysis

Loc ati on..	Claims by Gender	Claims by Female gender	Claims by Car type	Claims - Aging History	Clustering by Education & Occupation	Correlation between Claim amount and Income (Filter with G..	Forecasting of Claim Amount with respect to Car Age with differ..

Claim Frequency Forecasting

Claim Forecasting for Car age



Forecast indicator
Actual
Estimate

Claim Forecasting using additive trend and additive seasonality