

Car Insurance Claim Dashboard

Introduction	General Notes	High Level Information about the claimants &..	Age group, Income & Travel Time. Occupati..	Consistent Claims, Cummulative increas..	Who (or) Which Car type is claiming high?	Claim Frequency D..
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Mohamed Rifaz Ali

Car Insurance Claim Reports



Car Insurance Claim Dashboard

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There are 7647 car insurer details provided in the given dataset. No major abnormalities in the dataset.

Assumptions & Calculated Fields

1. Assume the data provided is for **2015**. Because, this forms the minimum & maximum age of a owner is 29 & 85 respectively. High distribution of data is between 50 and 70 which is valid to this dataset.
2. Age is calculated using the year 2015-'Birth' field.
3. One of the Car Age data is -3, never be the case. So, create a new field named '**Age of Car**' & update it to 3.
4. Create a new field **Total claim amount=Oldclaim+CIm Amt(current)**
5. Assuming the car owner is still driving and the '**Car Manufacture Year**' can be calculated using 2015-'YOJ' field.
6. Assuming number of claims is proportional to the number of accidents.
7. Create a new field '**Locale-Parent-Car-Use**' field with the below code.

```
case [Locale-Parent-Use Parameter]
when "UrbanCity" then [UrbanCity]
when "Parent1" then [Parent1]
when "Car Use" then [Car Use]
when "Gender" then [Gender]
END
```

So, whenever there is a change in the parameter condition, the reports gets pulled based on the field.

8. Create a field '**UrbanCity**' to classify the data just Urban or Rural.
9. Below are the fields created to understand the count of claims

```
# of claims in current year as well as in past --> IF [Oldclaim] !=0 AND [CIm Amt] !=0 THEN 1 ELSE 0
# of current claims --> IF [CIm Amt] =0 THEN 0 ELSE 1
# of NOT claimed --> IF [Oldclaim] =0 AND [CIm Amt] =0 THEN 1 ELSE 0
# of Old claims --> IF [Oldclaim] =0 THEN 0 ELSE 1
# of total claims --> IF [Oldclaim] =0 AND [CIm Amt] =0 THEN 0 ELSE 1
```

Similarly, for the percentage of claims, it can be calculated using appropriate (number of claims/total number of claims)*100 & rounded it to 2 decimals.

10. Convert the Measure fields to Dimension as & when required to plot the graph.
11. Create a binning fields appropriately for Age, Travel Time to understand the distribution.
12. Create the group for **Age (group)** field to group them in 5 ranges such as 29-35,36-45,46-55,56-70 and 71-85.

Parameters

1. Create a parameter '**Top N Claimants**' with the current value as 30 & associate it to the "Total Claim Amount" in a descending fashion of customer ID's.
2. Create a parameter '**Locale-Parent-Use Parameter**' with the string values of UrbanCity, Parent1, Car Use, Gender and associate to the '**Locale-Parent-Car-U..**

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Number of Insurers 7,647	Total claimants 3,770	Number of current claimants 2,058	Number of Old Cliamants 2,932	Claimants in the past & now 1,220	Not claimed 3,877
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Percentage of Claims		Car Worth Vs Claim Amount										
		Education		Blue Collar	Clerical	Doctor	Home Mak..	Lawyer	Manager	Profession..	Student	Grand Total
% of Not claimed	50.70%	Bachelors	Car Worth	\$9,575K	\$2,975K		\$2,332K		\$7,193K	\$12,217K	\$1,264K	\$35,555K
			Total Claim ..	\$3,535K	\$1,185K		\$1,054K		\$1,667K	\$4,053K	\$604K	\$12,098K
% of total claims	49.30%	High School	Car Worth	\$13,005K	\$8,179K		\$2,574K		\$2,220K	\$3,145K	\$3,742K	\$32,866K
			Total Claim ..	\$5,295K	\$3,588K		\$1,323K		\$1,005K	\$1,028K	\$2,371K	\$14,610K
% of old claims	38.34%	Masters	Car Worth	\$26K			\$1,079K	\$12,260K	\$5,418K	\$3,352K		\$22,135K
			Total Claim ..	\$0K			\$507K	\$3,347K	\$1,155K	\$982K		\$5,991K
% of current claims	26.91%	<High School	Car Worth	\$5,955K	\$5,736K		\$979K		\$53K	\$22K	\$2,248K	\$14,994K
			Total Claim ..	\$2,852K	\$2,580K		\$400K		\$15K	\$6K	\$1,265K	\$7,118K
% of consistent ..	15.95%	PhD	Car Worth		\$34K	\$5,079K	\$882K	\$1,254K	\$2,867K	\$384K		\$10,500K
			Total Claim ..		\$5K	\$914K	\$265K	\$435K	\$608K	\$98K		\$2,325K

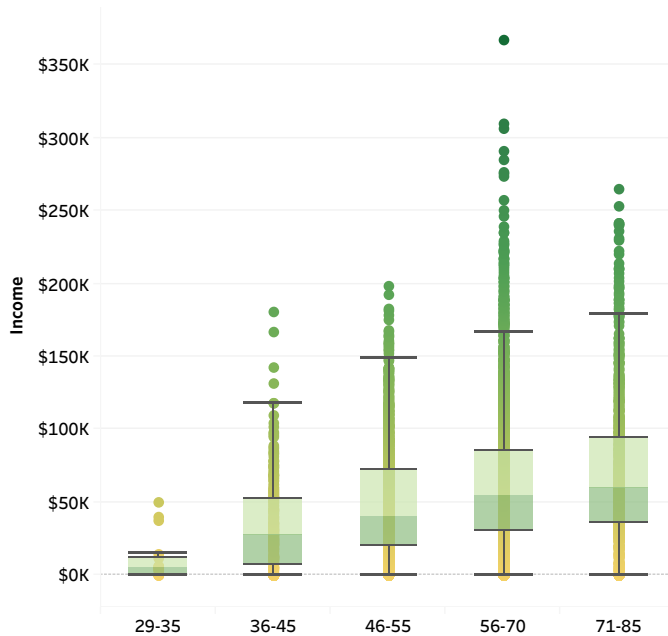
Top claimants

Index	ID	Occupation	Education	Gender	UrbanCity	Parent1	Mstatus	Top Claimants 30			
1	281417916	Professional	Bachelors	Female	Urban	No	No			\$96K	
2	916006924	Clerical	<High School	Male	Rural	No	Yes			\$88K	
3	467621156	Student	<High School	Male	Urban	No	Yes			\$82K	
4	821927891	Blue Collar	High School	Male	Urban	No	No			\$74K	
5	648220867	Student	High School	Male	Urban	No	Yes			\$70K	
6	249402525	Blue Collar	Bachelors	Male	Urban	Yes	No			\$67K	
7	528501969	Clerical	High School	Female	Urban	No	Yes			\$66K	
8	316713492	Manager	PhD	Female	Urban	No	Yes			\$65K	
9	950774930	Blue Collar	High School	Male	Urban	No	No			\$64K	
10	555021082	Blue Collar	Bachelors	Male	Rural	No	No			\$64K	
11	757975608	Professional	Bachelors	Female	Urban	No	No			\$64K	
12	478701858	Clerical	Bachelors	Male	Urban	Yes	No			\$63K	
13	221090865	Blue Collar	High School	Female	Urban	No	No			\$62K	
14	361291520	Manager	High School	Male	Urban	No	Yes			\$60K	
15	888292579	Professional	Bachelors	Male	Urban	No	Yes			\$59K	
16	505331576	Home Maker	High School	Female	Urban	No	Yes			\$59K	

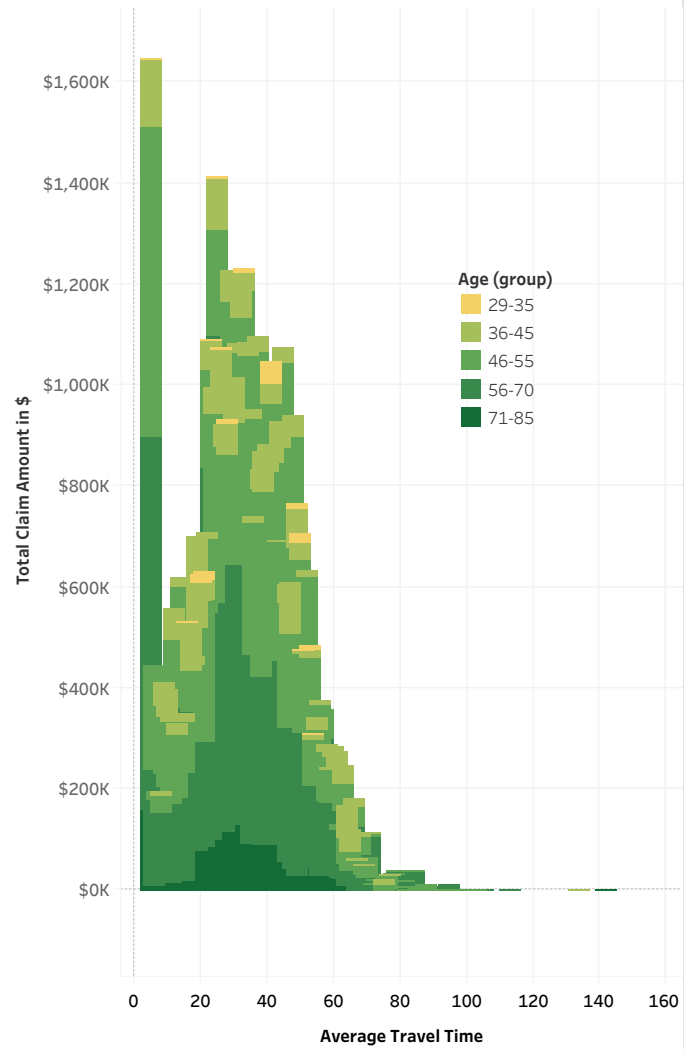
Car Insurance Claim Dashboard

Introduction	General Notes	High Level Information about the claimants &..	Age group, Income & Travel Time. Occupati..	Consistent Claims, Cumulative increas..	Who (or) Which Car type is claiming high?	Claim Frequency Dashboard
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Age Group Vs Income



Average Travel Time & Age group Vs Total Claim Amount



Which group holds the maximum total claim amount?

Home Maker Professional
Student Blue Collar Lawyer
Manager Clerical Doctor

Car Insurance Claim Dashboard

General Notes

High Level Information
about the claimants &..

Age group, Income &
Travel Time. Occupati..

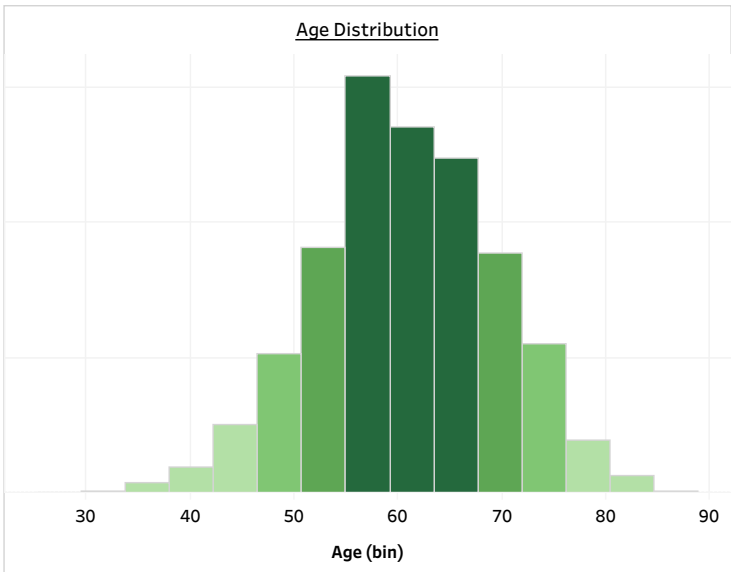
Consistent Claims,
Cummulative increas..

Who (or) Which Car
type is claiming high?

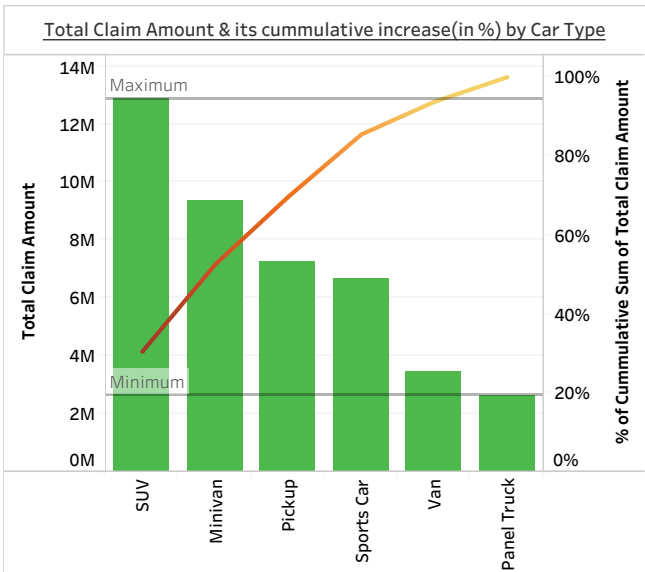
Claim Frequency
Dashboard

Who prones to more
accidents?

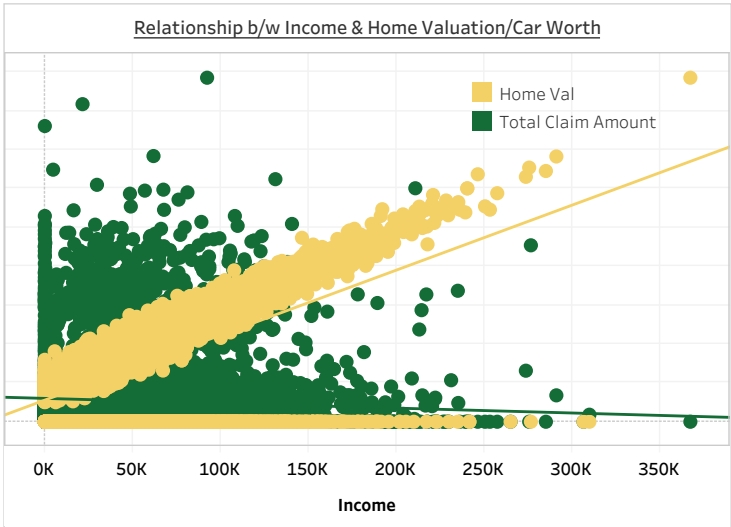
Age Distribution



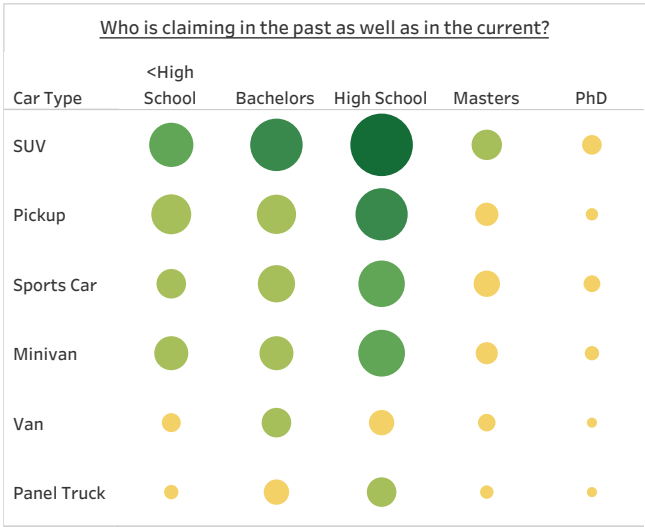
Total Claim Amount & its cummulative increase(in %) by Car Type



Relationship b/w Income & Home Valuation/Car Worth



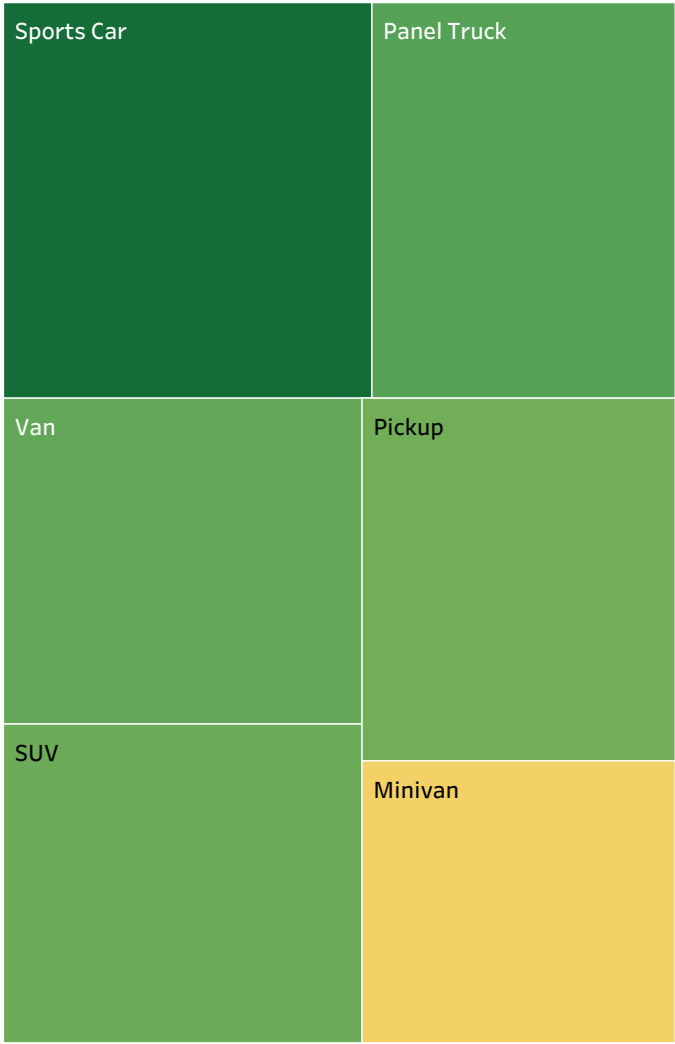
Who is claiming in the past as well as in the current?



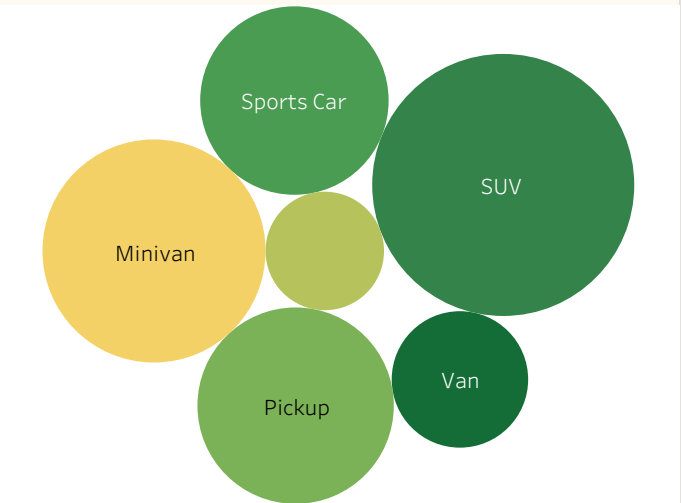
Car Insurance Claim Dashboard

High Level Information abo..	Age group, Income & Travel Time. Occupati..	Consistent Claims, Cummulative increas..	Who (or) Which Car type is claiming high?	Claim Frequency Dashboard	Who prones to more accidents?	Driver details for one Insurance ID
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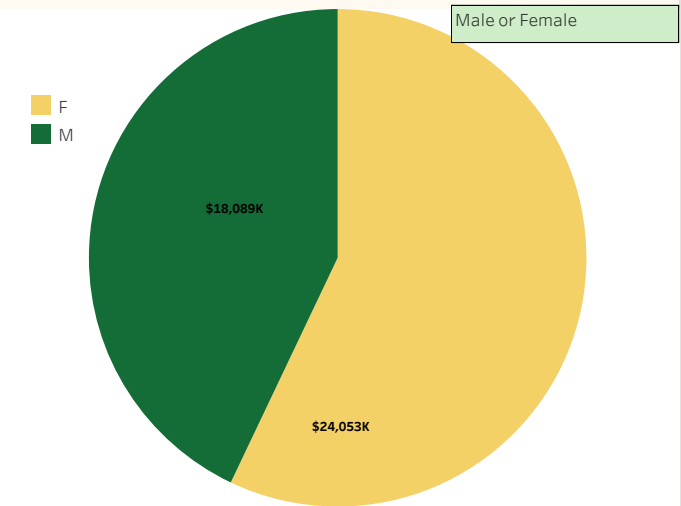
On average, which car type claimed high amount in total?



On which car type, the sum of claim amount is high?



Male or Female is Claiming high amount?



Car Insurance Claim Dashboard

High Level
Information ..

Age group, Income &
Travel Time. Occupati..

Consistent Claims,
Cummulative increas..

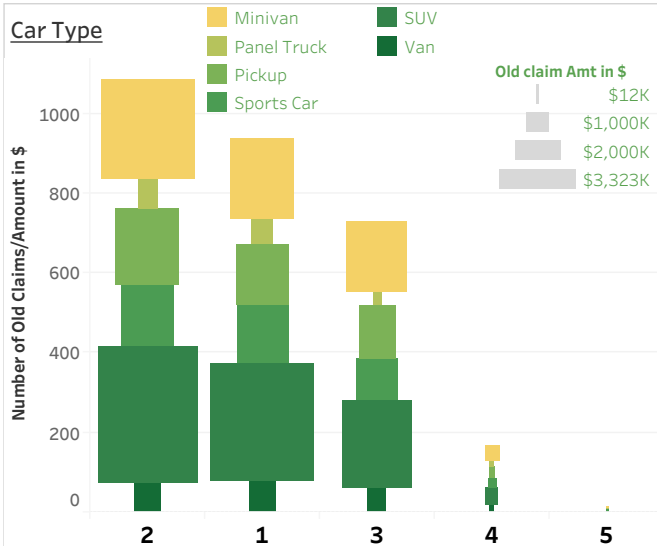
Who (or) Which Car
type is claiming high?

Claim Frequency
Dashboard

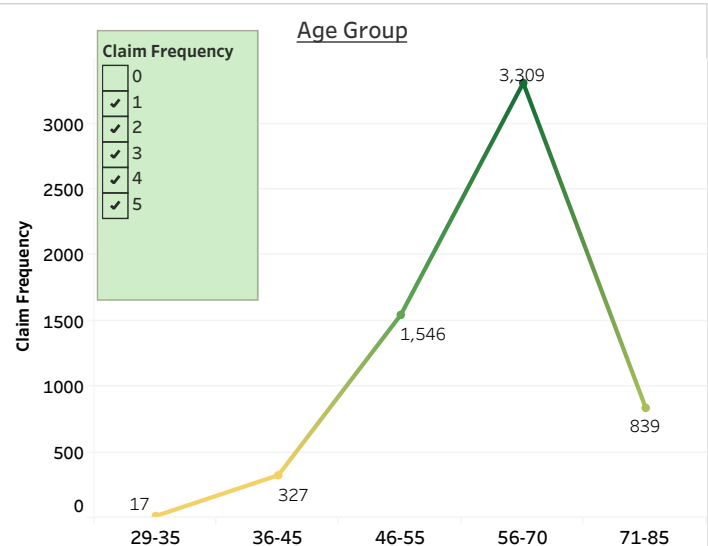
Who prones to more
accidents?

Driver details for one
Insurance ID

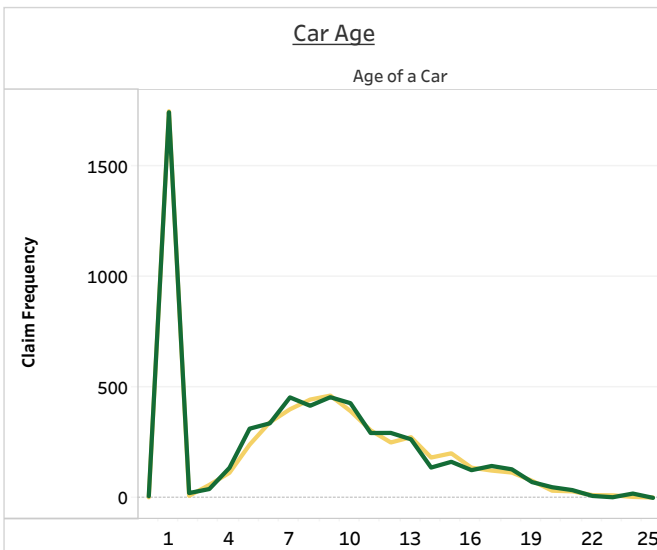
Car Type



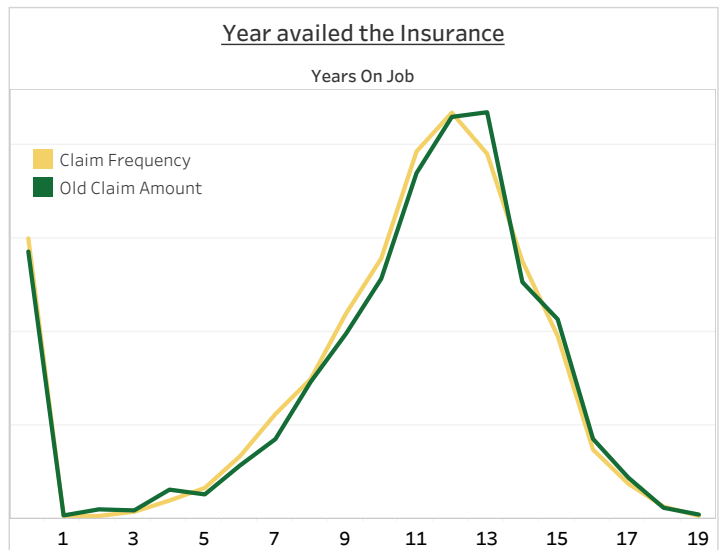
Age Group



Car Age



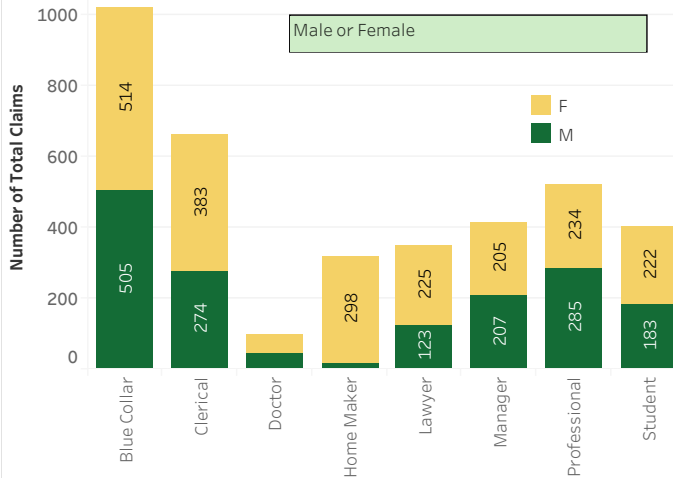
Year availed the Insurance



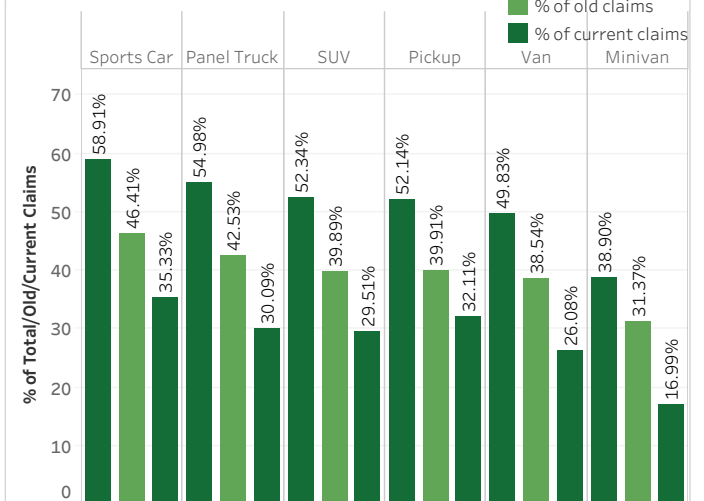
Car Insurance Claim Dashboard

High Level Information ..	Age group, Income & Travel Time. Occupati..	Consistent Claims, Cummulative increas..	Who (or) Which Car type is claiming high?	Claim Frequency Dashboard	Who prones to more accidents?	Driver details for one Insurance ID
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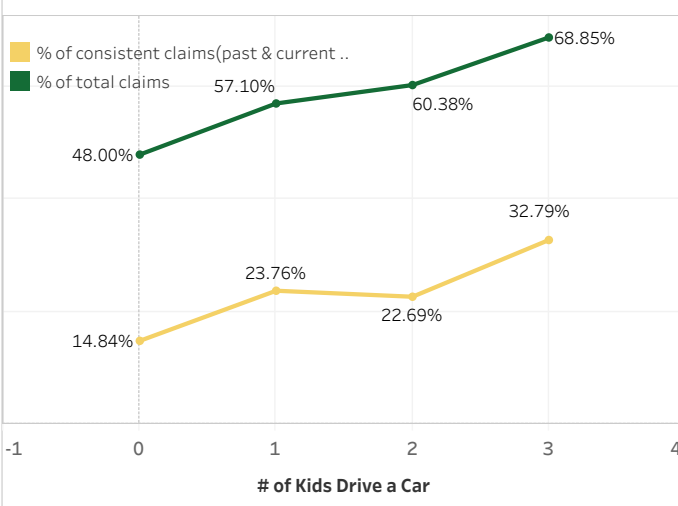
Male or Female prones to more accidents?



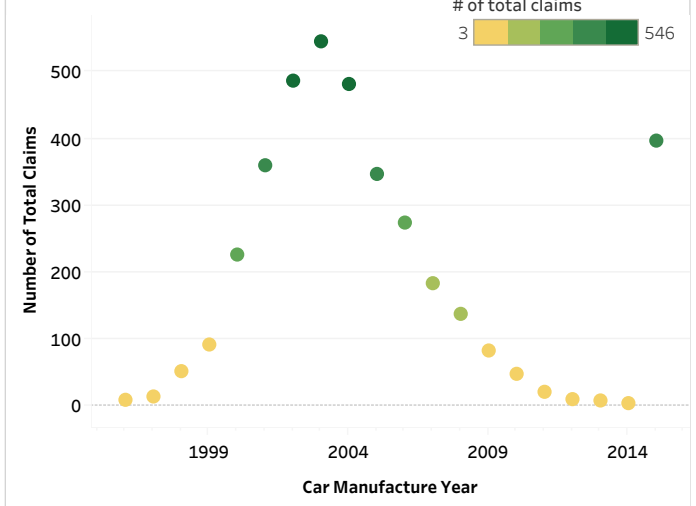
Which Car Type is making more accidents(in %)?



Teenagers make more accidents(in %)



Car Manufacture Year Vs # of accidents



Car Insurance Claim Dashboard

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Driver Details for the ID: 100263241

- Owner's License ID
- ☐

100130023
- ☒

100263241
- ☐

100321982
- ☐

100391818
- ☐

100549277
- ☐

100550672
- ☐

100560602
- ☐

100698866
- ☐

101131398
- ☐

101278471
- ☐

101504483
- ☐

101597061
- ☐

101619581
- ☐

102128945
- ☐

102133550
- ☐

102270088
- ☐

102280835
- ☐

102397935
- ☐

102512651
- ☐

102540356
- ☐

102604051
- ☐

102604661
- ☐

102713514
- ☐

102962150
- ☐

102970449
- ☐

103057855
- ☐

103069034
- ☐

103155388
- ☐

103170411
- ☐

103299315
- ☐

103490683
- ☐

103642796
- ☐

103651063
- ☐

103716673
- ☐

103788606
- ☐

103790027
- ☐

103790875
- ☐

103973147
- ☐

104155283
- ☐

104465490
- ☐

104494728
- ☒

104551874
- ☐

Gender
Male

Car Age
9

Years On Job
9

Current Claim Amount
\$0

Marital Status
Yes

Old Claim Amount
\$8,207

Occupation
Blue Collar

Total Claim Amount
\$8K

Claim Frequency
1

Drivers Age
54

Income
\$156,060

Car Worth
\$25,230

Car Type
Panel Truck

Car Use
Commercial

UrbanCity
Urban

Home Valuation
\$381,438

of Kids Drive a Car
0

Car Manufacture Year
2006