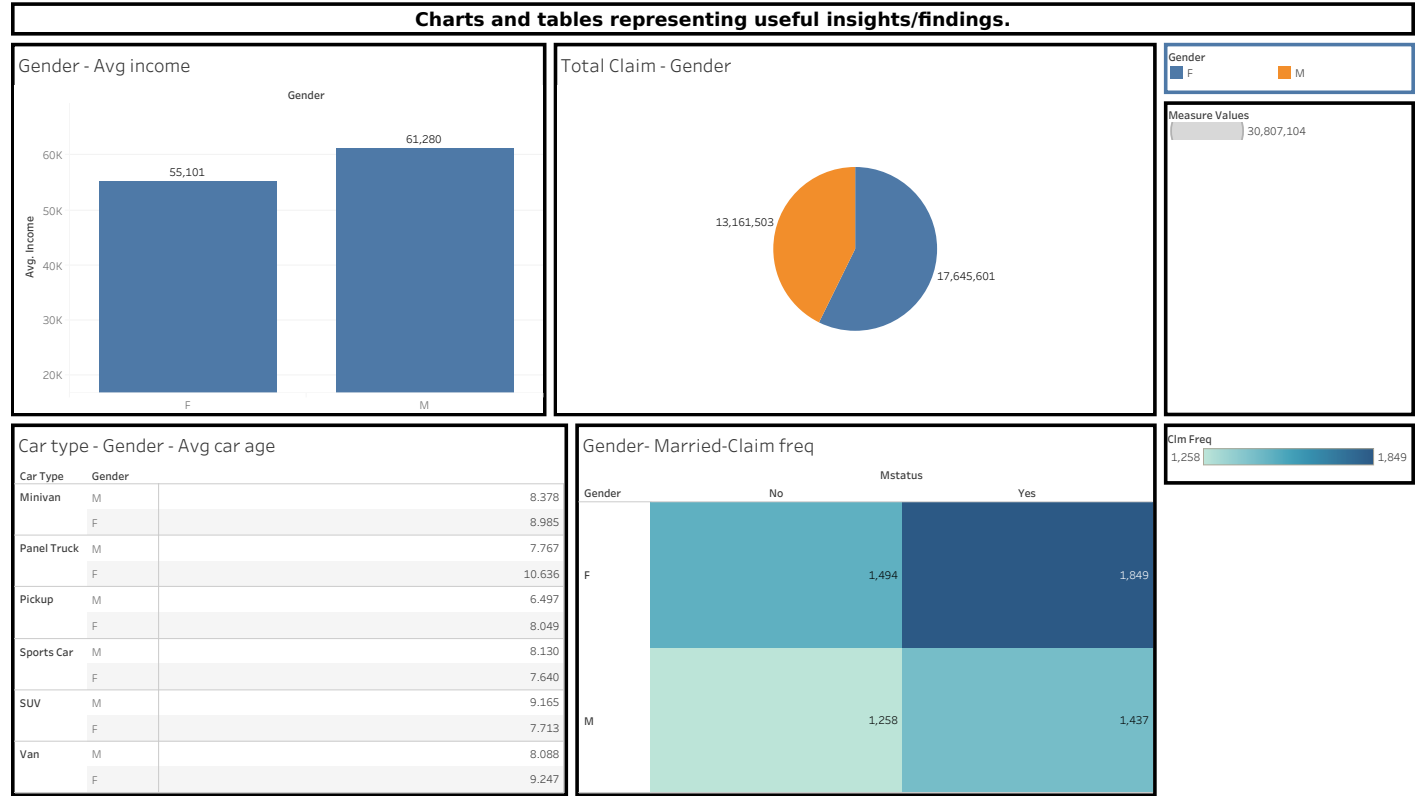


Car Claim Insurance

Average income of males are higher than females. Majority of the customers are female and Married females are the ones with maximum claims.

Maximum claims are made by the customers who born during 1948 - 1964. Customers with Panel truck have highest average claim amount of 2106. Manager hasLeast average travel time of 30.69.

Doctors have highest average income among both males and females. Customer with income 3,67,030 has the car with highest value of 65,970. Parameter is set with top N = 8, based on the highest average income.



Car Claim Insurance

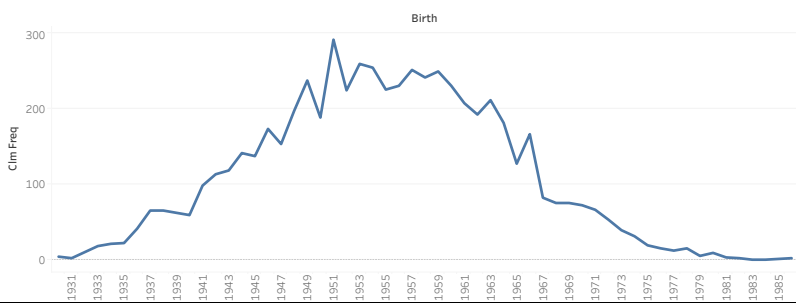
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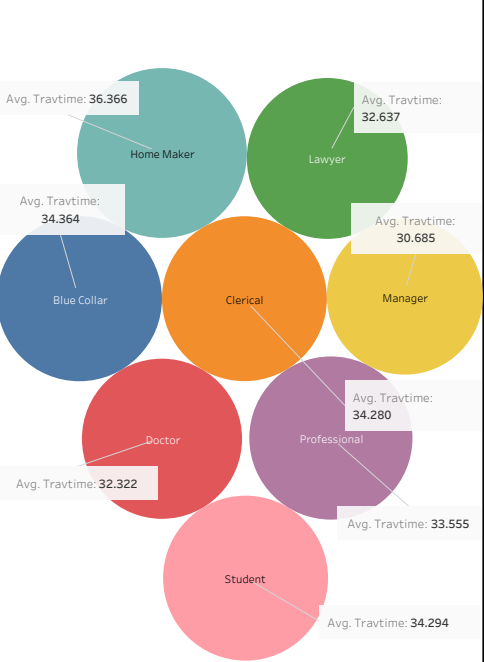
Charts and tables representing useful insights/findings.

Birth date - Claim freq

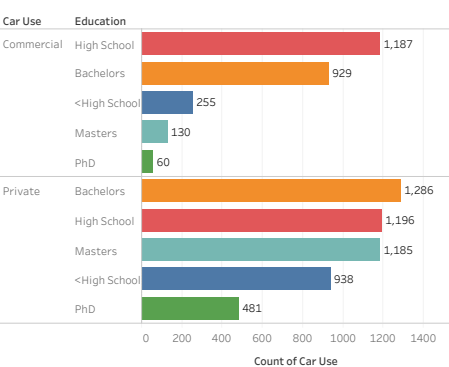


Cim Freq
To Null

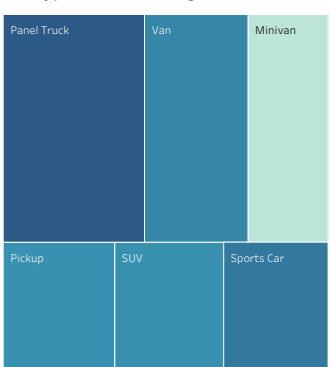
Occupation - Avg Travel Time



Car use - Education



Car type-Bluebook-Avg Claim amount



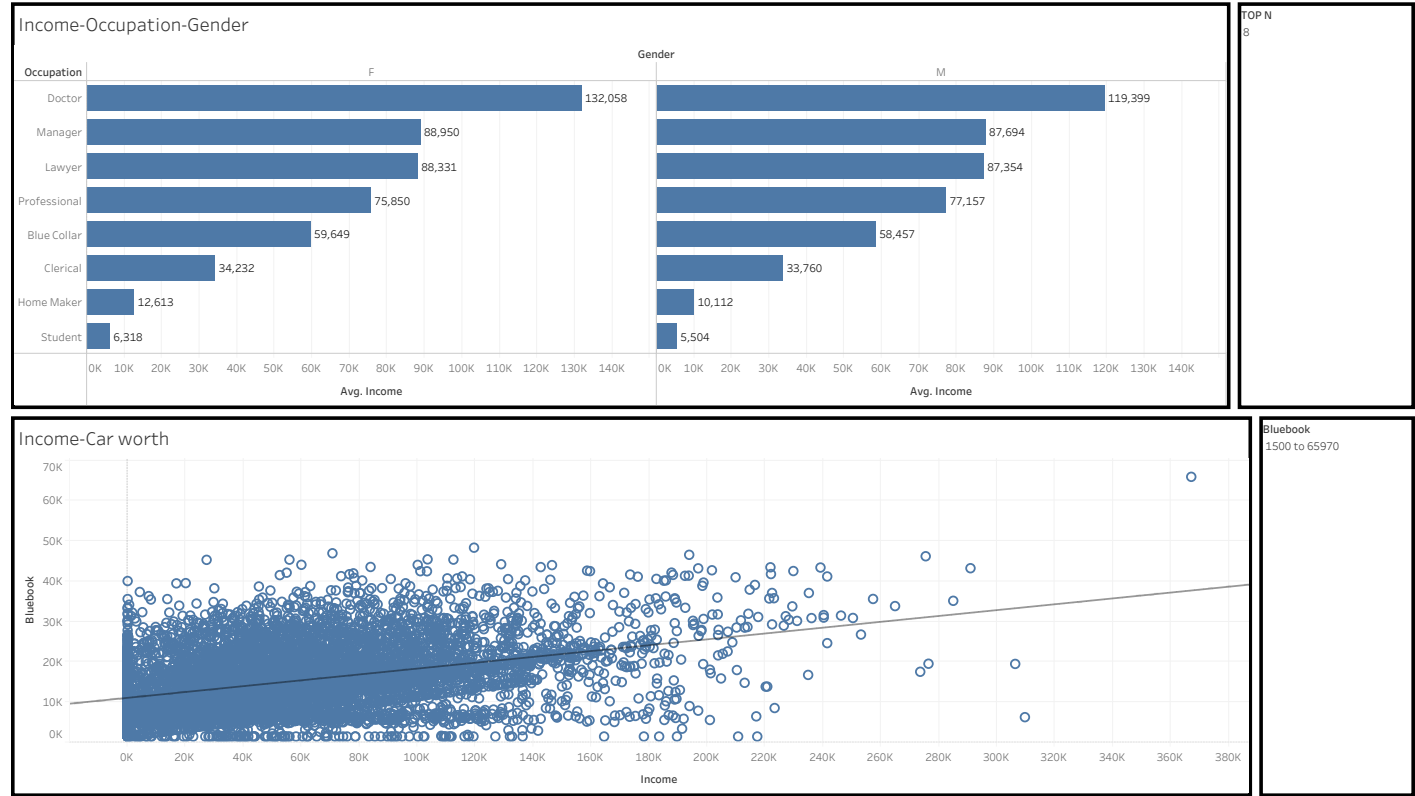
Avg. Cim Amt
878 2,106

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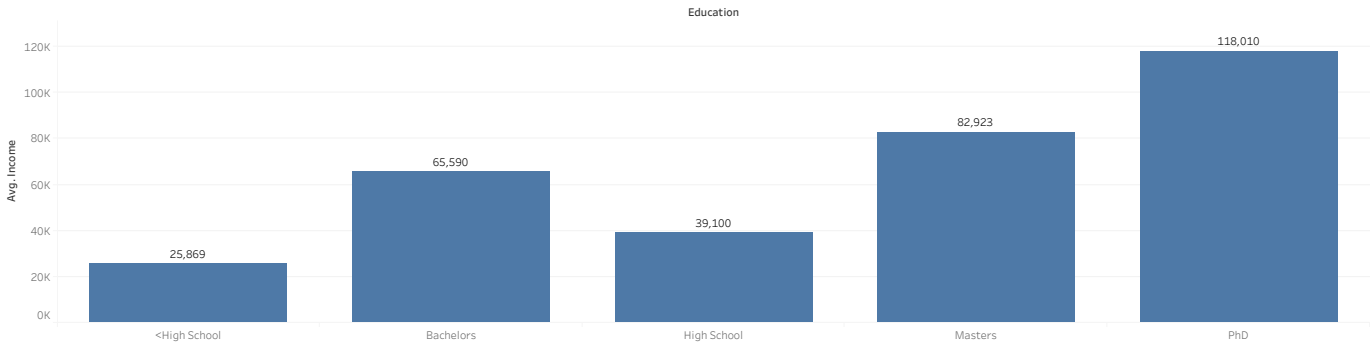
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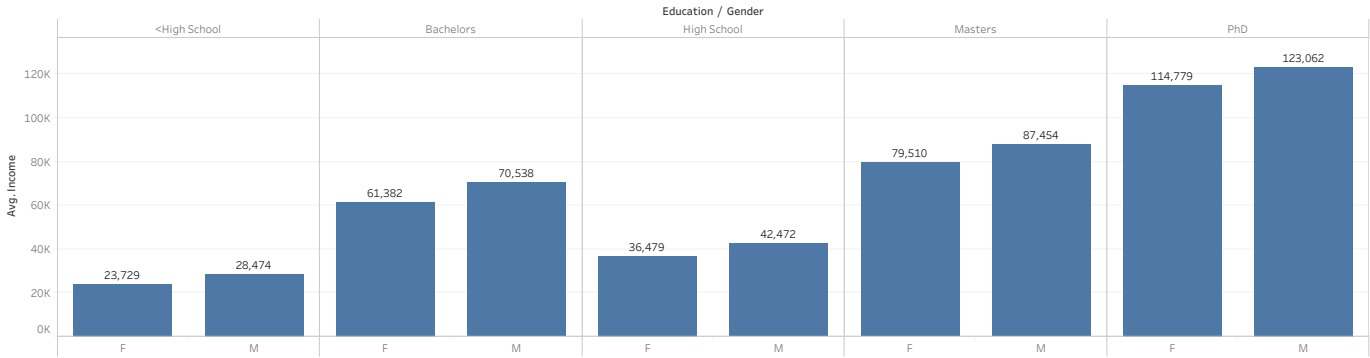
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Car worth ranges from 1,500 to 65,970. Majority customers drive their cars primarily in urban areas.

Income-Education



Income-Education-Gender

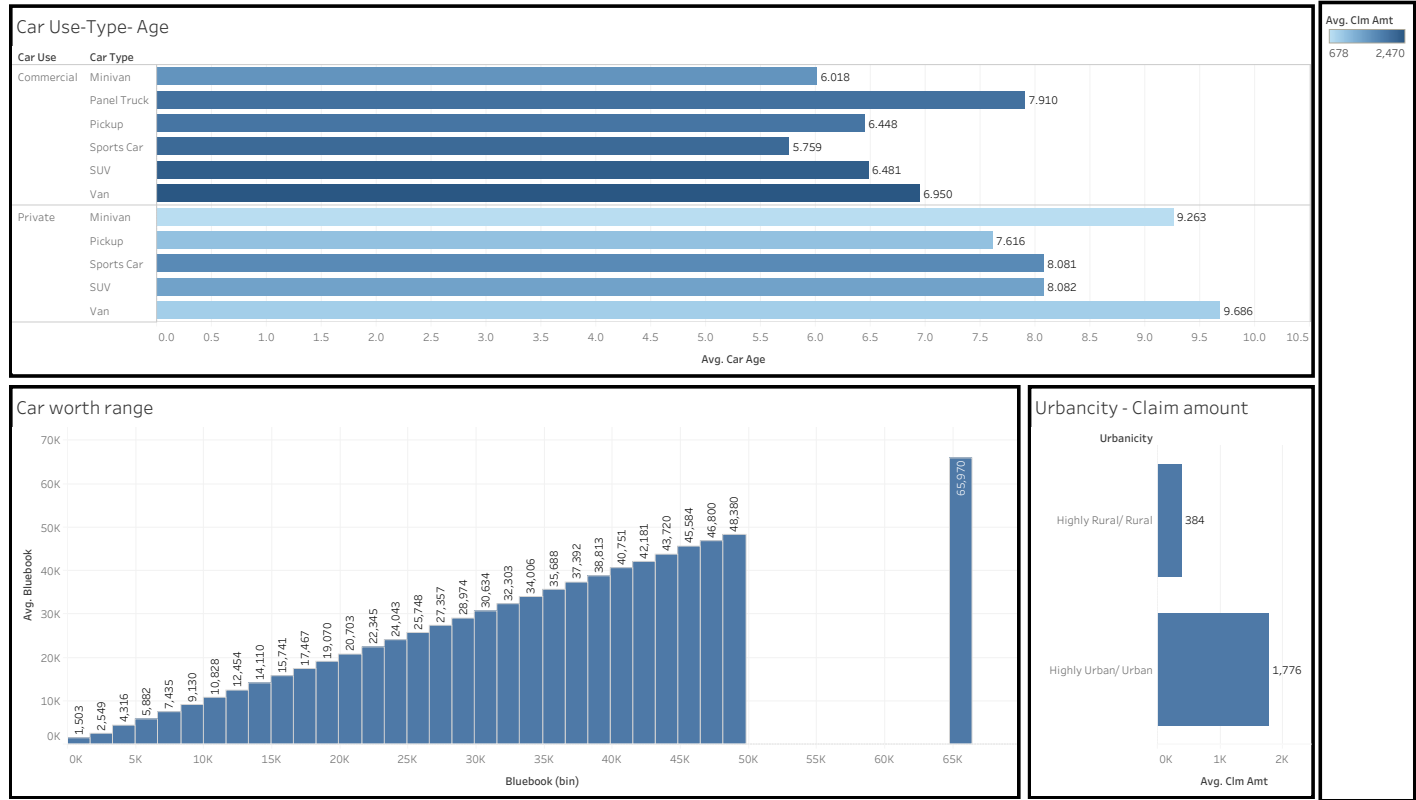


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Highest amount claimed is 85,524 by the customer with ID 281417916. Among customers who have claimed larger amount, Panel truck has average car age of 10 years. Calculation field is set based on the amount claimed i.e., < 25000 as "Small amount"; >25000 AND <50000 as "Medium amount"; >50000 as "Large amount".



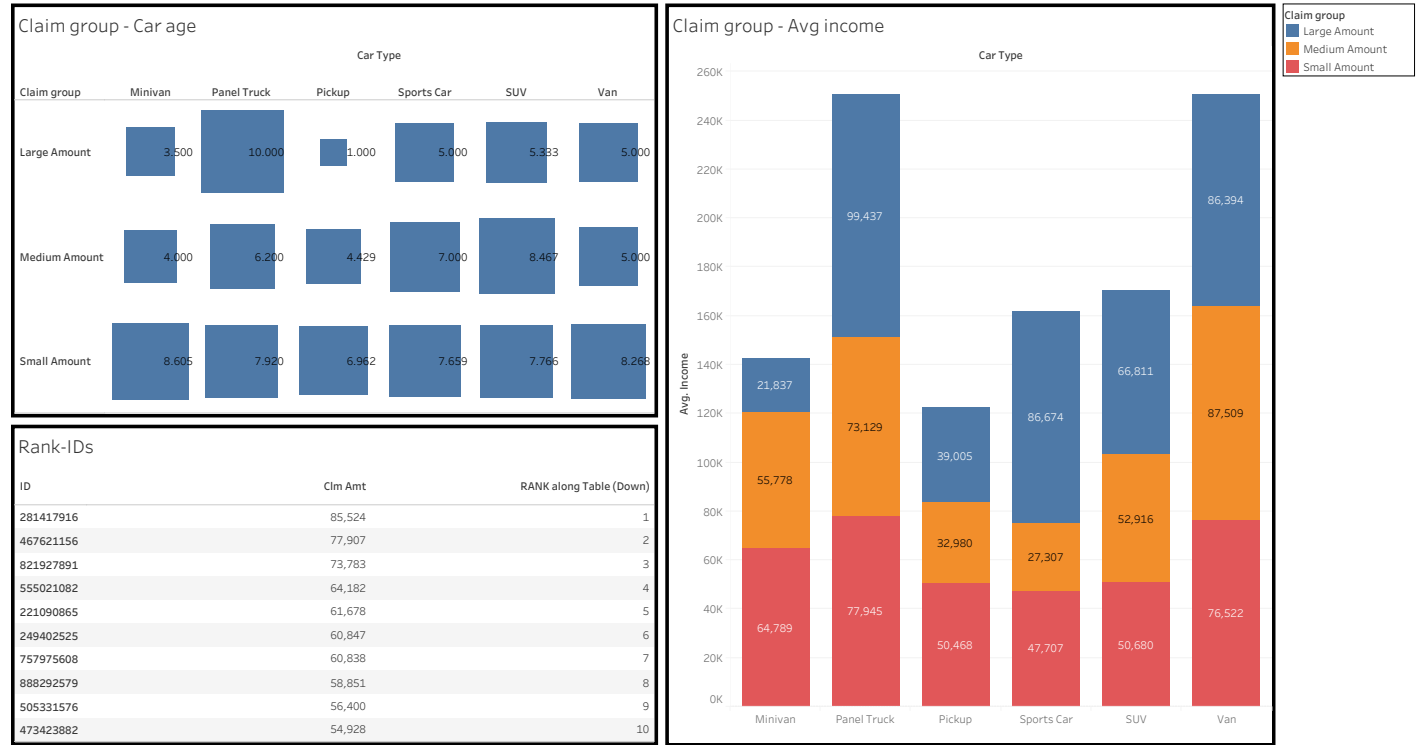
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We can observe few customers who have made more than 2 claims in past 5 years. There are also few who made 5 claims in past 5 years. Company needs to take care with these kind of customers as it affects the performance.

Claim amount distributions



Car Claim Insurance

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Summary and Recommendations

Birth date -Claim freq				
Year of Birth	Clim Freq (bin)			
	2.0	3.0	4.0	5.0
1930		1		
1931	1			
1932	2		1	
1933	2	2	1	
1934	4	2	1	
1935	6	2		
1936	10	5		
1937	8	11	3	
1938	11	9	2	
1939	15	4	2	
1940	10	10		
1941	18	8	5	
1942	23	12	4	
1943	26	15	2	
1944	28	18	3	
1945	17	16	4	
1946	25	19	10	
1947	22	21	5	
1948	30	24	9	
1949	39	33	8	
1950	35	19	5	
1951	48	42	5	
1952	56	16	7	
1953	41	38	6	
1954	44	31	6	
1955	42	23	7	
1956	33	28	9	
1957	47	27	5	
1958	46	28	6	
1959	52	27	9	
1960	42	26	6	
1961	37	28	4	
1962	29	26	6	
1963	40	30	4	
1964	37	17	5	
1965	21	20	3	
1966	29	19	5	
1967	16	10	1	
1968	15	8		

- Clim Freq (bin)
- ☐ 0.0
- ☐ 1.0
- ☒ 2.0
- ☒ 3.0
- ☒ 4.0
- ☒ 5.0

Car Claim Insurance

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Summary and Recommendations

SUMMARY:

- 1. Majority of the customers are Female.
- 2. Claim frequency is more among the married females.
- 3. Average travel time of Home maker is highest among the other groups.
- 4. Among 7647 customers, the highest claimed amount is 85,524.
- 5. Average income of doctor is the highest, followed by Managers and Lawyers among both males and females.
- 6. Ph.D graduates earn an average income of 118,010 which is highest, followed by the customers with Masters degree with 82,923.
- 7. About 6034 customers drive their cars primarily in urban areas.

RECOMMENDATIONS:

- 1. Company can increase premium or reduce coverage on the car types based on the claim frequency.
- 2. Premiums can also be set based on age of the driver, usage of car and the average travel time.
- 3. Company can introduce better plans (with higher premiums) for the high-income customers, as these customers prefer better service and car safety.
- 4. To decrease the premiums on rural areas in order to attract new customers.
- 5. Company can increase the premiums by 35% to 50% on bumper-to-bumper covers for cars with more than 2 claims. This helps in making customers to choose other covers such as collision or comprehensive covers.
- 6. Company can also introduce group policies or offer discounts for the married couples.

CONCLUSION:

Business should focus on introducing Car insurance online in order to stay competitive in the market, as there are many companies who provide online services, with no paperwork etc.