## Most\_Frequent\_City Frequency of Top 10 Risky Communities Most Frequent City "New Delhi" "Anupshahr" "Lucknow" 50 "Budaun" "Gwalior" "Firozpur" "Afzalgarh" "Ghaziabad" 40 "Varanasi" City\_Frequency 20 10

**Communities** 

923220.0

923068.0

923044.0

923067.0

922970.0

923172.0

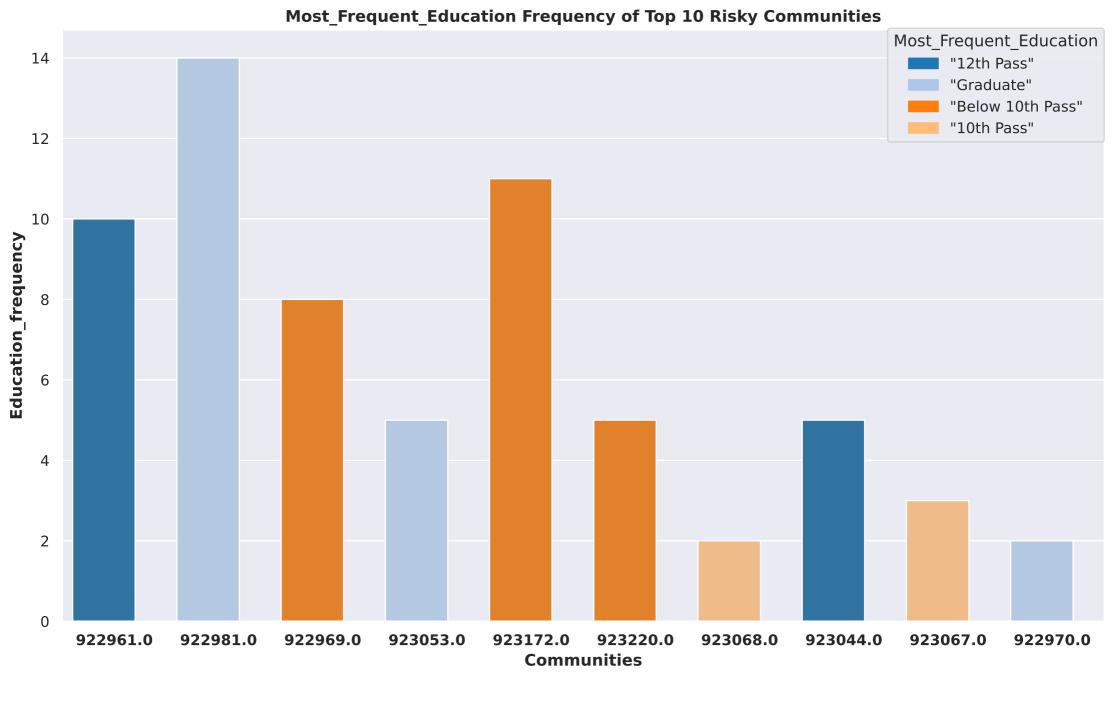
923053.0

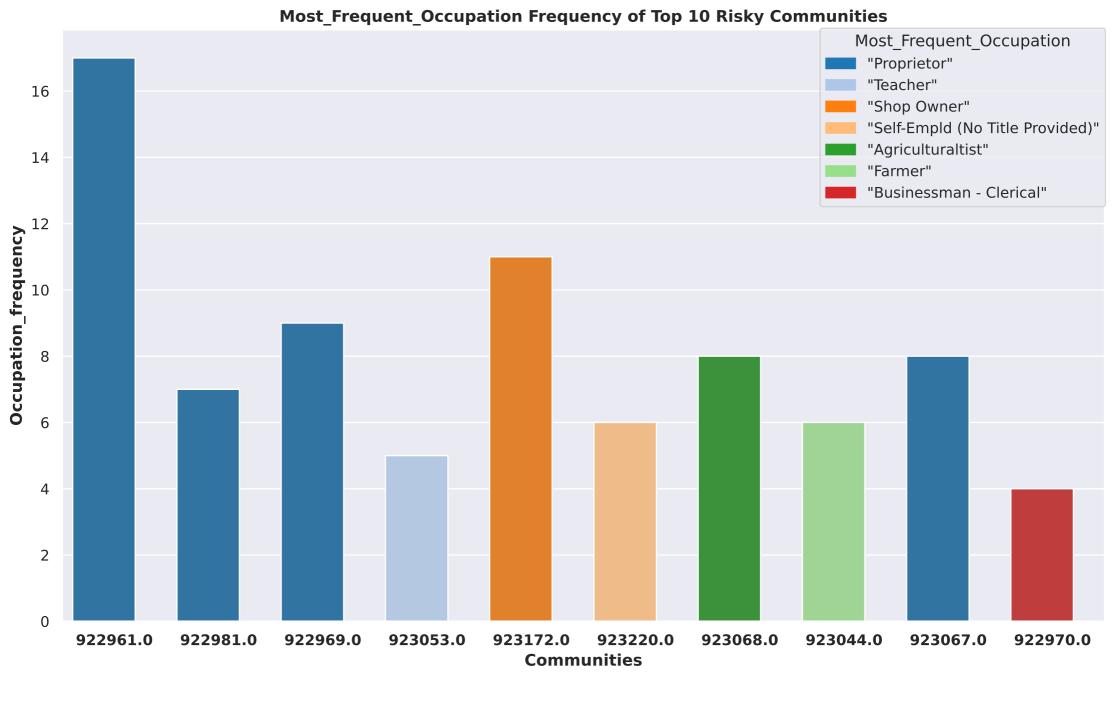
0

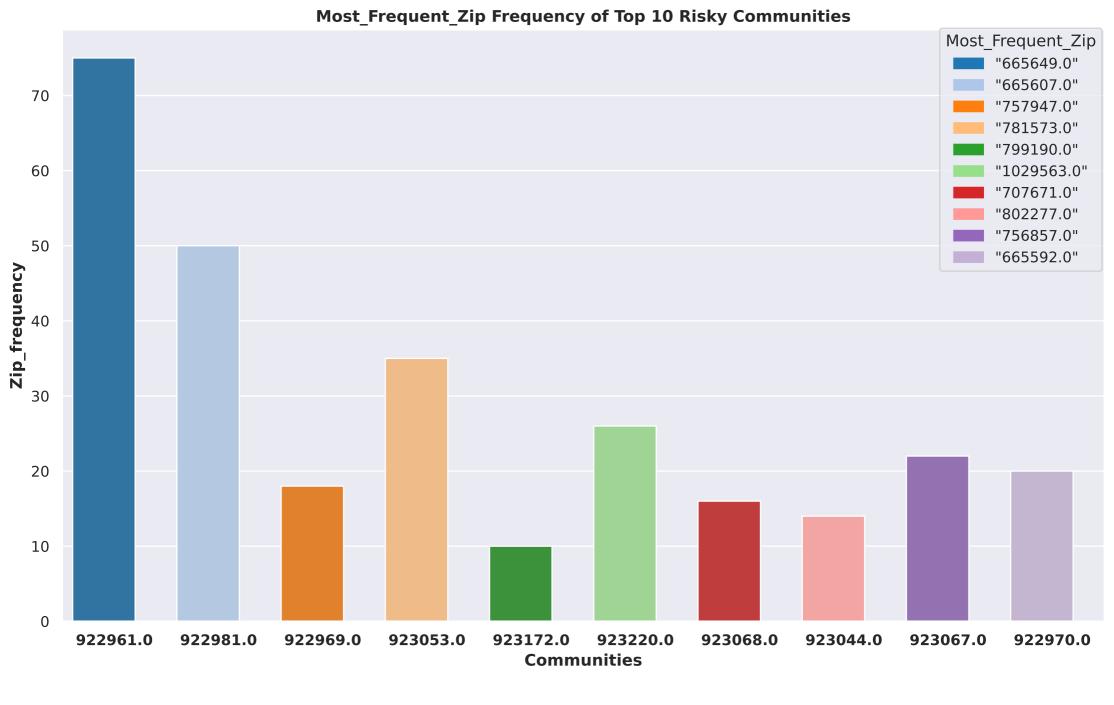
922961.0

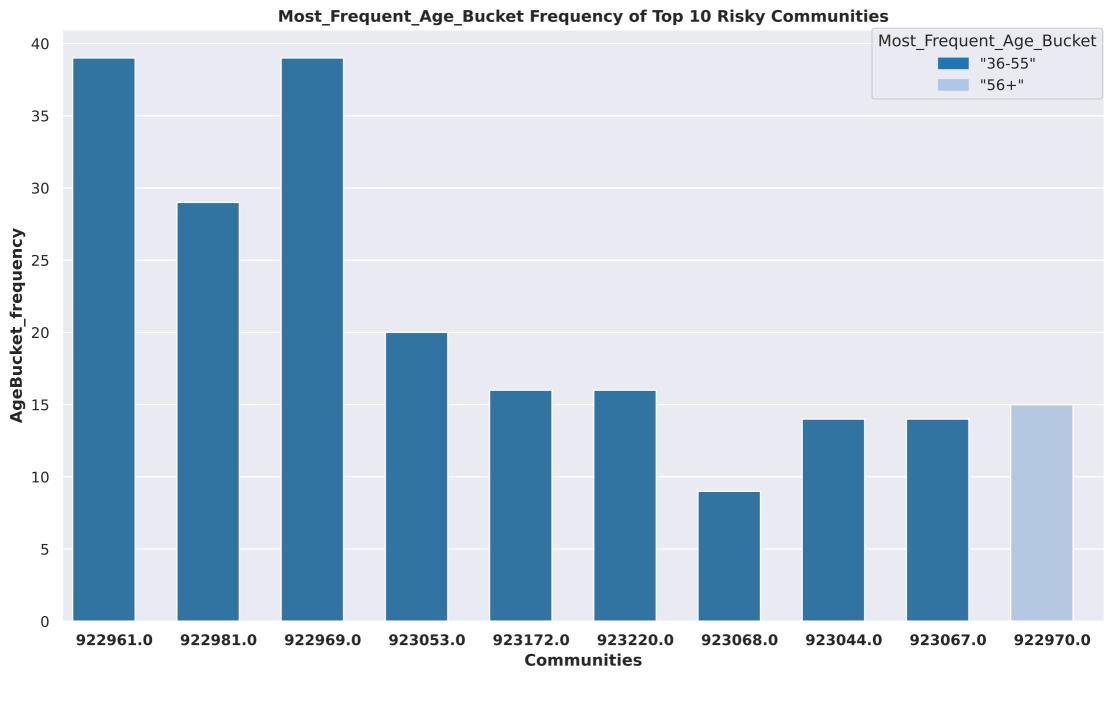
922981.0

922969.0









## Most\_Frequent\_Salary\_Bucket Frequency of Top 10 Risky Communities Most\_Frequent\_Salary\_Bucket "300000-400000" "500000-600000" 17.5 "200000-300000" "400000-500000" 15.0 **2Bucket\_freduency** 10.0 7.5 5.0 2.5

**Communities** 

923220.0

923068.0

923044.0

923067.0

922970.0

923172.0

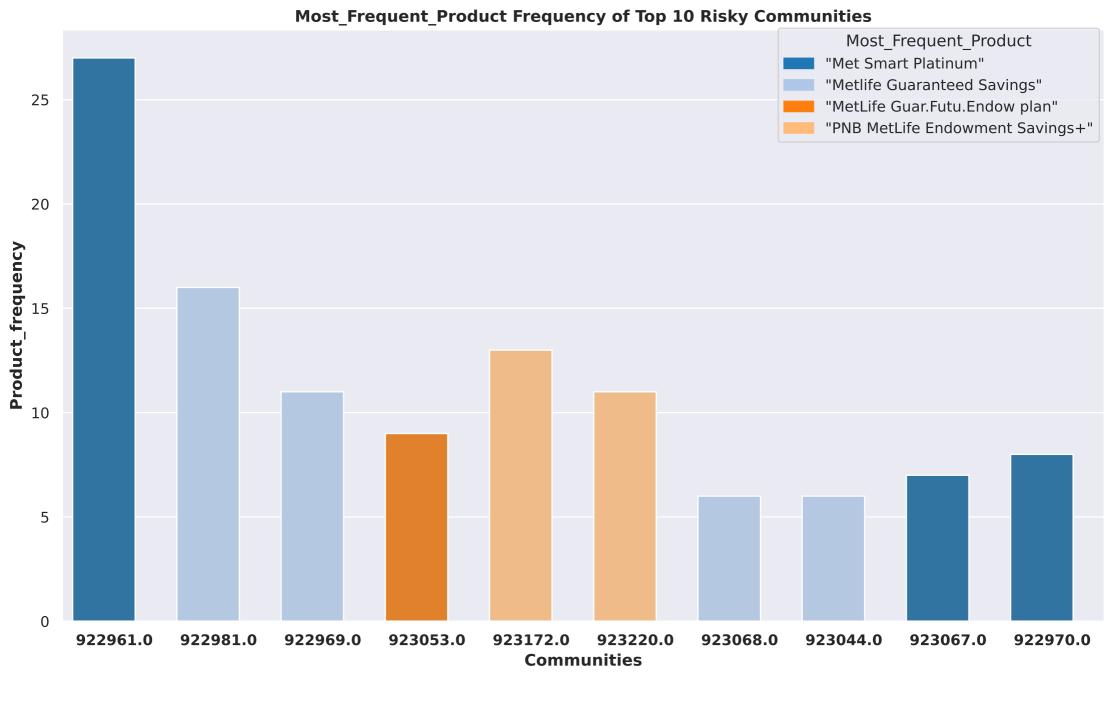
923053.0

0.0

922961.0

922981.0

922969.0



## Most\_Frequent\_SA\_Bucket(Sum Assured) Frequency of Top 10 Risky Communities Most\_Frequent\_SA\_Bucket(Sum Assured) 25 "200000-400000" "400000-600000" "1000000-2000000" 20 SA\_Bucket\_frequency

**Communities** 

923220.0

923068.0

923044.0

923067.0

922970.0

923172.0

0

922961.0

922981.0

922969.0

923053.0

	Correlation Matrix Heatmap of Top 10 Risky Communities								1.00
City_Frequency	1	0.35	0.39	0.96	0.49	0.18	0.75	0.77	
Education_frequency	0.35	1	0.49	0.49	0.64	0.62	0.7	0.46	- 0.75
Occupation_frequency	0.39	0.49	1	0.57	0.58	0.63	0.81	0.67	- 0.50
Zip_frequency	0.96	0.49	0.57	1	0.65	0.37	0.86	0.88	- 0.25
AgeBucket_frequency	0.49	0.64	0.58	0.65	1	0.71	0.75	0.83	- 0.00
SBucket_frequency	0.18	0.62	0.63	0.37	0.71	1	0.56	0.54	0.25
Product_frequency	0.75	0.7	0.81	0.86	0.75	0.56	1	0.9	0.50
SA_Bucket_frequency	0.77	0.46	0.67	0.88	0.83	0.54	0.9	1	<b>-</b> −0.75
	City_Frequency	<b>Education_frequency</b>	Occupation_frequency	Zip_frequency	AgeBucket_frequency	SBucket_frequency	Product_frequency	SA_Bucket_frequency	1.00

Kev observations:

Summary:

This document analyzes the top 10 risky communities based on various attributes such as the most frequent city, education, occupation, zip code, age bucket, salary bucket, product, and sum assured bucket. The bar plots provide a visual representation of the frequency of these attributes within each community.

The correlation matrix heatmap at the end of the document shows the relationships between these numerical features. A positive correlation indicates that as one attribute increases, the other tends to increase as well. Conversely, a negative correlation indicates an inverse relationship.

- There are notable correlations between some attributes, which can provide insights into the characteristics of these risky communities.

- The frequency of certain attributes varies significantly across different communities.