

Tableau Visualization

Goal

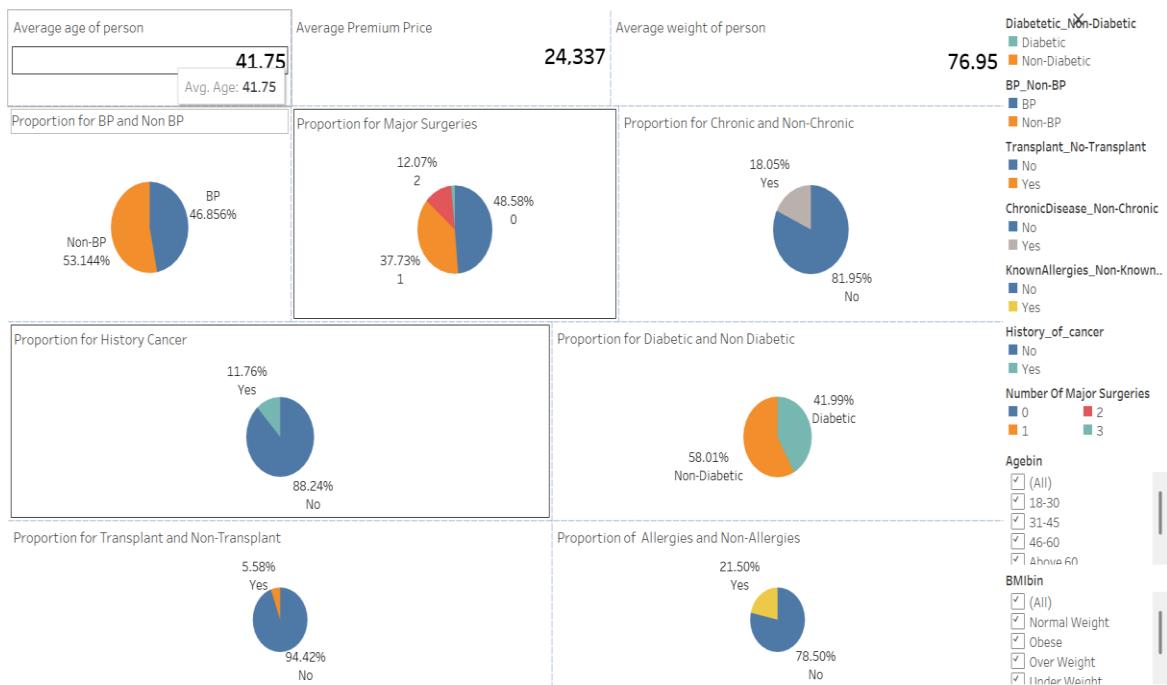
The goal of this dashboard:

1. Visualization of Key Data Points: To clearly display the distribution and impact of various health-related factors on insurance premiums.
2. Strategic Insight Generation: To enable insurance companies to derive strategic insights that can influence policy adjustments, risk assessments, and customer segmentation.

Dashboard Insights: -

Summary Statistics Dashboard:

- Average Insurance Premiums is Rs 24,337 having an average of 42 years.
- Overall, there are 42% person with diabetic in the dataset, 18% person having chronic disease.
- Majority of proportion i.e. 48% are having 0 surgeries.
- Comparable BP and Non-BP person are present in the dataset.



Premium Pricing Analysis Dashboard:

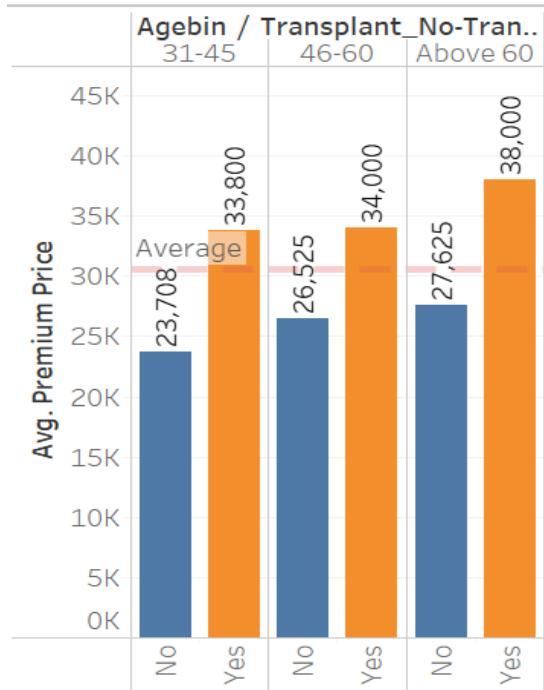
Risk Profile or Customer Segmentation:

High Risk

- Average premiums are high among people with age bin of 31-45, 46-60, above 60, BMI of obese and overweight and having transplant.

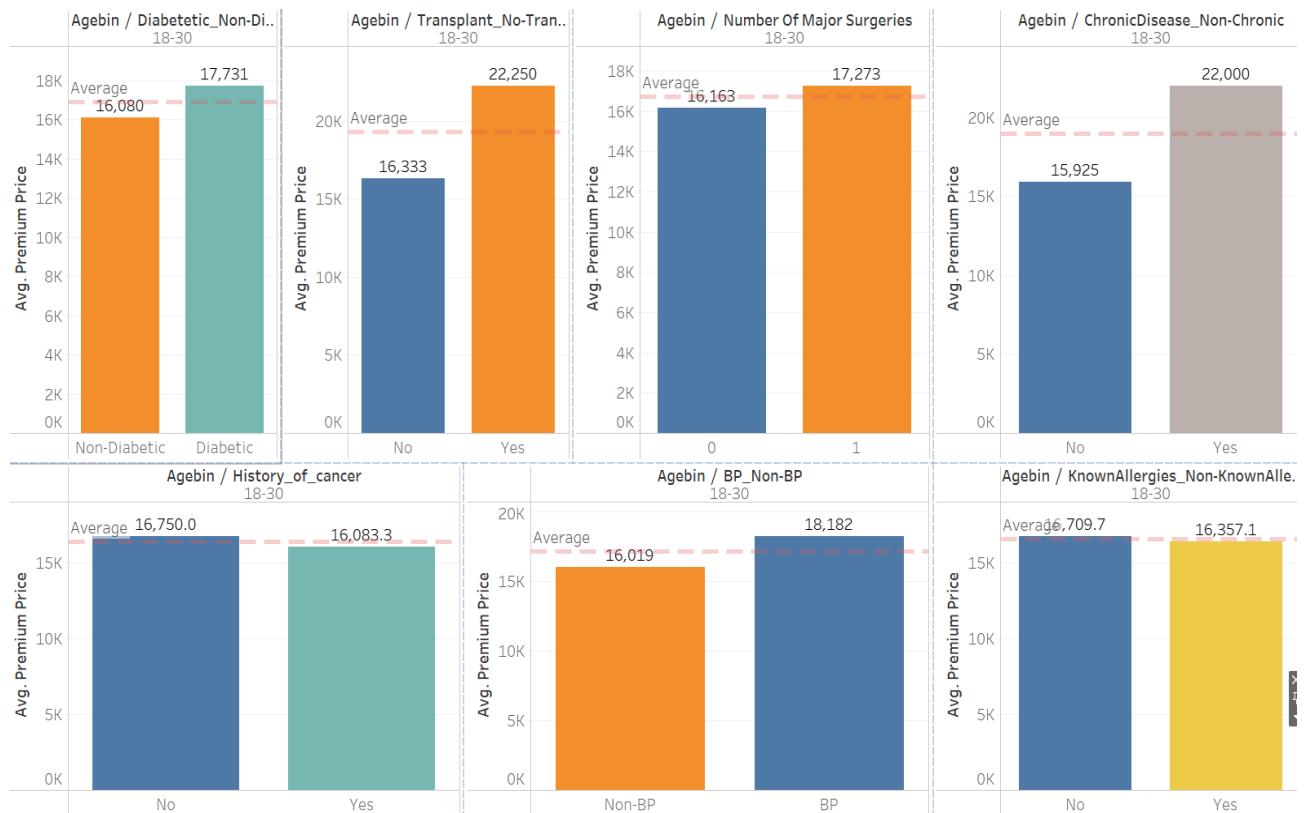


- Average premiums are also high among people with age bin of 31-45, 46-60, above 60, BMI of normal weight and having transplant.



Low Risk

- Average premiums are lowest among people with age bin of 18-30 and having a BMI of normal.
- Average premiums are lowest for non-diabetic, Non-Transplant, No Cancer in the history and No Surgeries in the history.



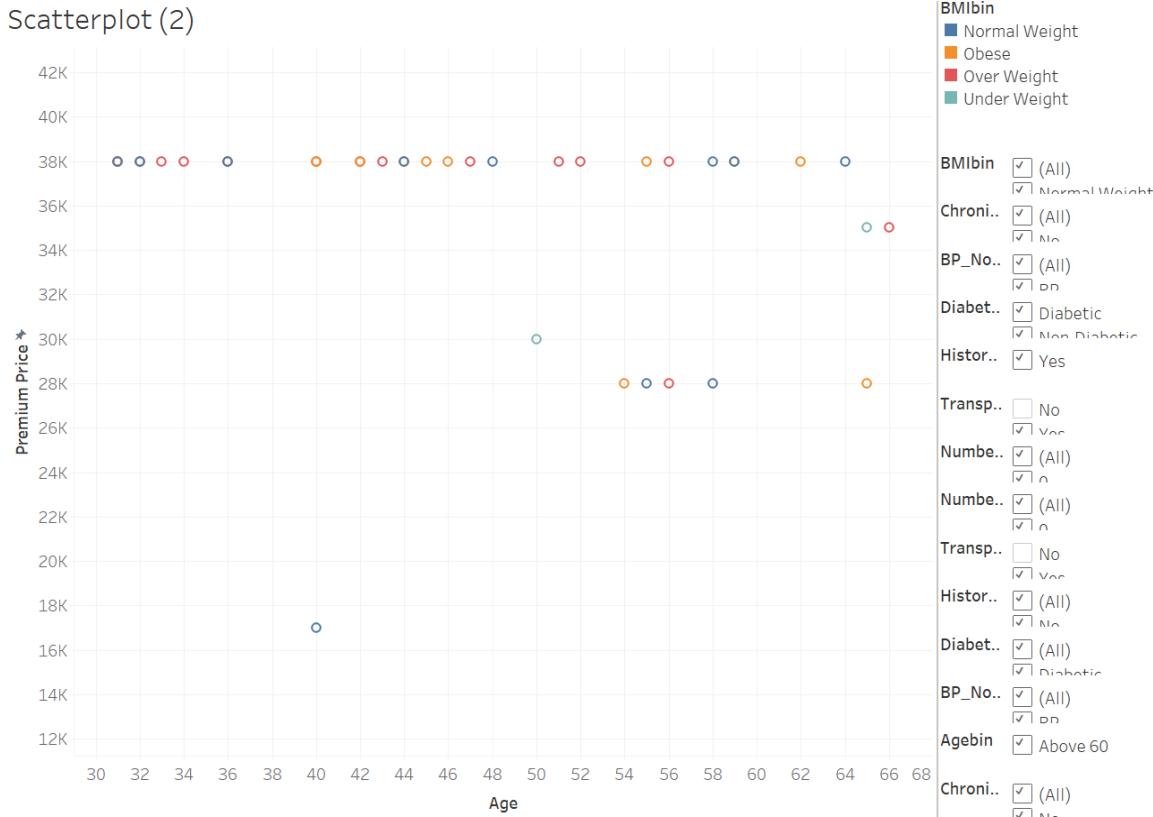
Demographic Insights Dashboard:

Risk Profile or Customer Segmentation:

High Risk

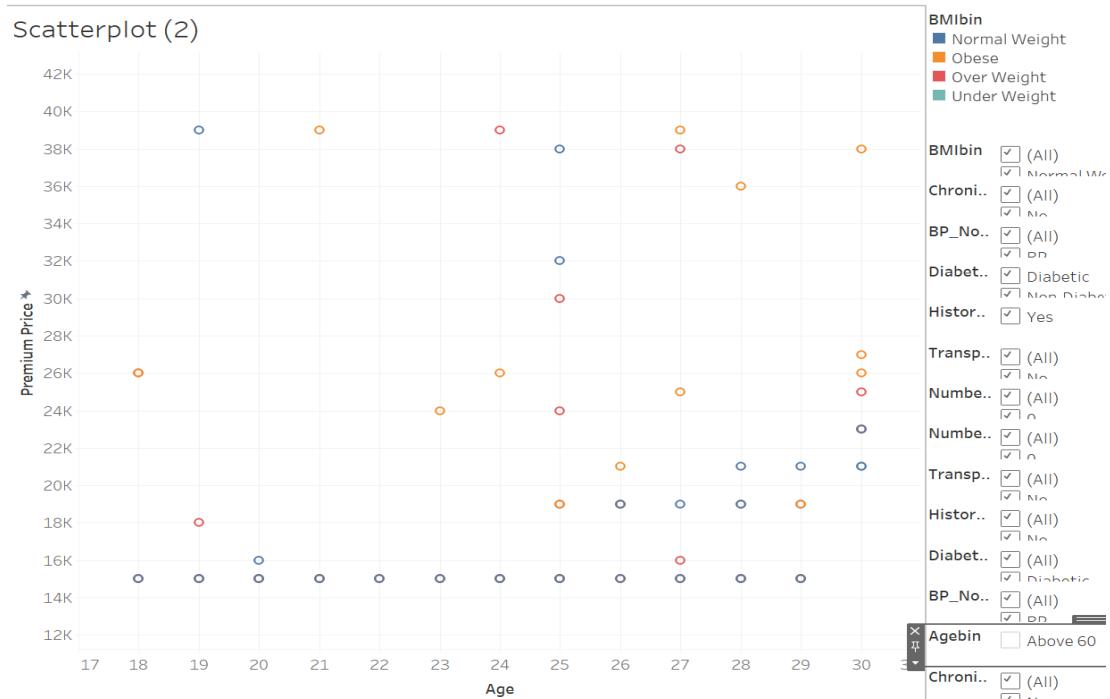
- a. Premiums are high among people with age bin of 31-45, 46-60, above 60, BMI of obese and overweight and having transplant in the past.

Scatterplot (2)



Low Risk

- a. Premiums are lowest among people with age bin of 18-30 and having a BMI of normal.
- b. Premiums are lowest for non-diabetic, Non-Transplant, No Cancer in the history and No Surgeries in the history.



Major Factors contributing to Premiums:

1. AGE
2. BMI
3. Transplant
4. Chronic
5. Surgeries
6. Diabetes



Above Correlation plot shows age and premiums are significantly highly corelated.