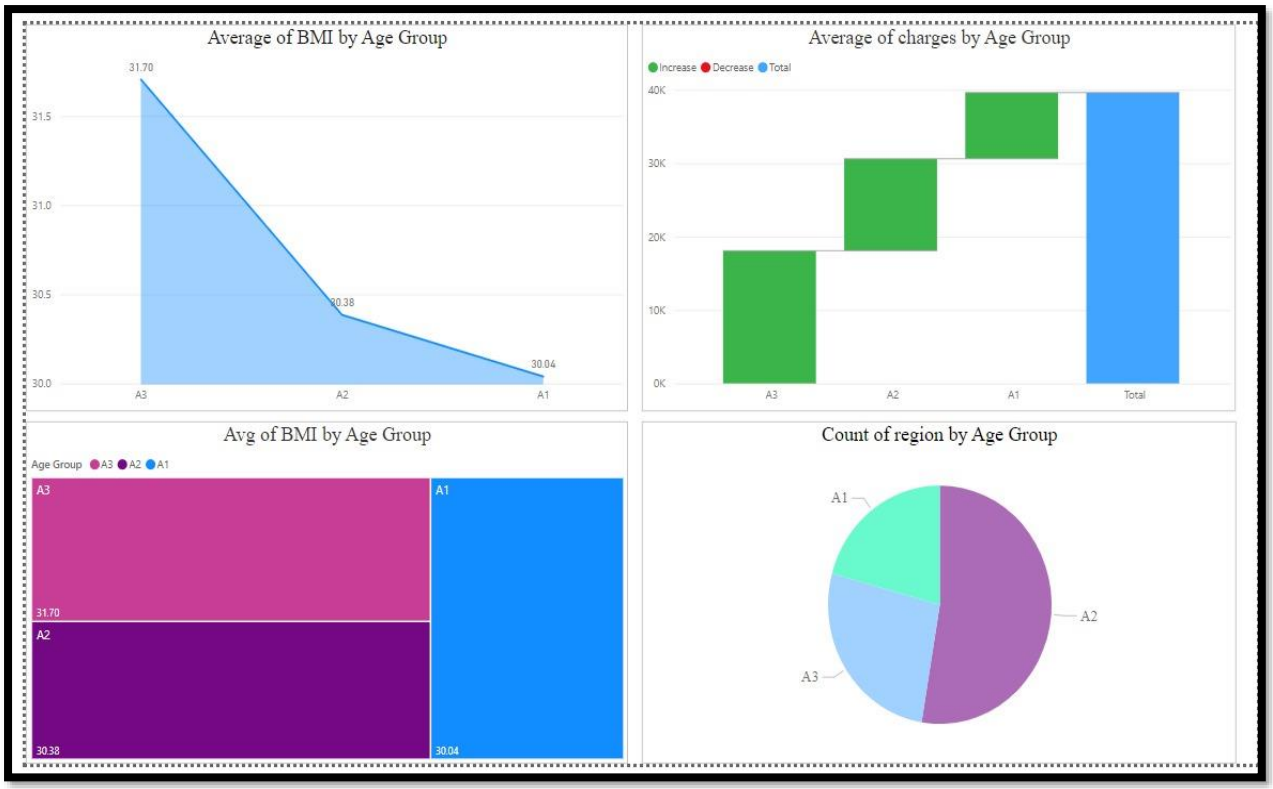
Experiment-3

Aim:- Perform data visualization and analytics through power BI.

Theory:- Microsoft Power BI is a cornerstone of data visualization and analysis, providing a wealth of powerful features designed to extract actionable insights from complex datasets Through its intuitive and powerful interface for its complexity, Power BI allows users to easily interact across data sources , including databases and spreadsheets. facilitating data integration Through interactive visualizations such as charts, graphs, dashboards Power BI empowers users to actively explore data, easily identify patterns and trends In addition, and advanced analytics tools including machine learning algorithms and predictive modelling insurance risk -Enhance decision making processes by providing predictive insights into pricing and customer behaviour Additionally, Power BI capability to publish reports and delays enhance cooperation in security and facilitate communication of insights among stakeholders in insurance organizations. Thus, by leveraging the power of Power BI, this experiment aims to demonstrate its effectiveness in driving data-driven decision making and increasing operational efficiency in the insurance industry.

Dataset:- [Insurance Csv (kaggle.com)]


Average of BMI by Age Group
31.70
31.5
31.0
30.5
30.0
30.38
30.04
A3
A2
A1
Average of charges by Age Group
Increase
Decrease
Total
40K
30K
20K
10K
0K
A3
A2
A1
Total
Avg of BMI by Age Group
Age Group
A3
A2
A1
A3
31.70
A2
30.38
A1
30.04
Count of region by Age Group
A1
A2
A3