Things you will learn in this Project:

1.Understanding a business problem

2.How to get insights from data

3.How to build a story

4.How to present the story in form of dashboard

Overview of the problem:

In this project, you will play the role of PowerBI developer and analyse the data. You’ll create different sheet objects and visualize the data for better understanding and finding insights.You will be making analysis for Insurance data.

Context:

An insurance group consists of 10 property and casualty insurance, life insurance and insurance brokerage companies. The property and casualty companies in the group operate in a 17-state region. The group is a major regional property and casualty insurer, represented by more than 4,000 independent agents who live and work in local communities through a six-state region. Define the metrics to analyse agent performance based on several attributes like demography, products sold, new business, etc. The goal is to improve their existing knowledge used for agent segmentation in a supervised predictive framework.

Objective:

Based on the knowledge you acquired in class, you should complete the activities mentioned in the below assignments.

REFER DATA FILE for Dashboard Template.

Create 3 tabs solving business question as mentioned:

1. **Summery:**

Show how many agents are working

Analyse state by Commercial Line/Personal line

Analyse Agency profile by year

Create visuals to show premium amount changes by year

Show analysis about agency and number of product they offer

Create visuals to show state wise analysis of all the agencies

Show changes in Premium amount by the year: Commercial Line/Personal Line wise

Locate On the map: All the agencies and its states

You should be able to show all the data by state and year

2)**Product Line Analysis**:

* Analyse the Retention ratio of all the Agencies of States?
* Analyse the Product: Commercial Line/Personal Line wise
* Analyse Product ,Product line state wise also showing their 3 year’s growth rate
* Create Visualization to show all the product and their premium amount : Commercial Line/Personal Line wise analysis

3)**Agency-state wise Analysis**:

* Analyse data and create visualization to show the following data

-Agency and their product along with their premium amount and product line by Profile year