IBM NALAIYA THIRAN ASSIGNMENT 1

The case of 50 Startups

Overview

In this article, we will be exploring the profit from the startup's dataset with the features available to us. We're using the 50-startups dataset for this problem statement

How do startups work?

Well, we can say that startups pipeline operates on the same principles which are similar to other MNCs the major difference between both of them is that on the one hand startups work to make products that are beneficial for the customers on a small scale while other established companies do that work on a large scale by re-doing something which is already being done. How startups are being funded?
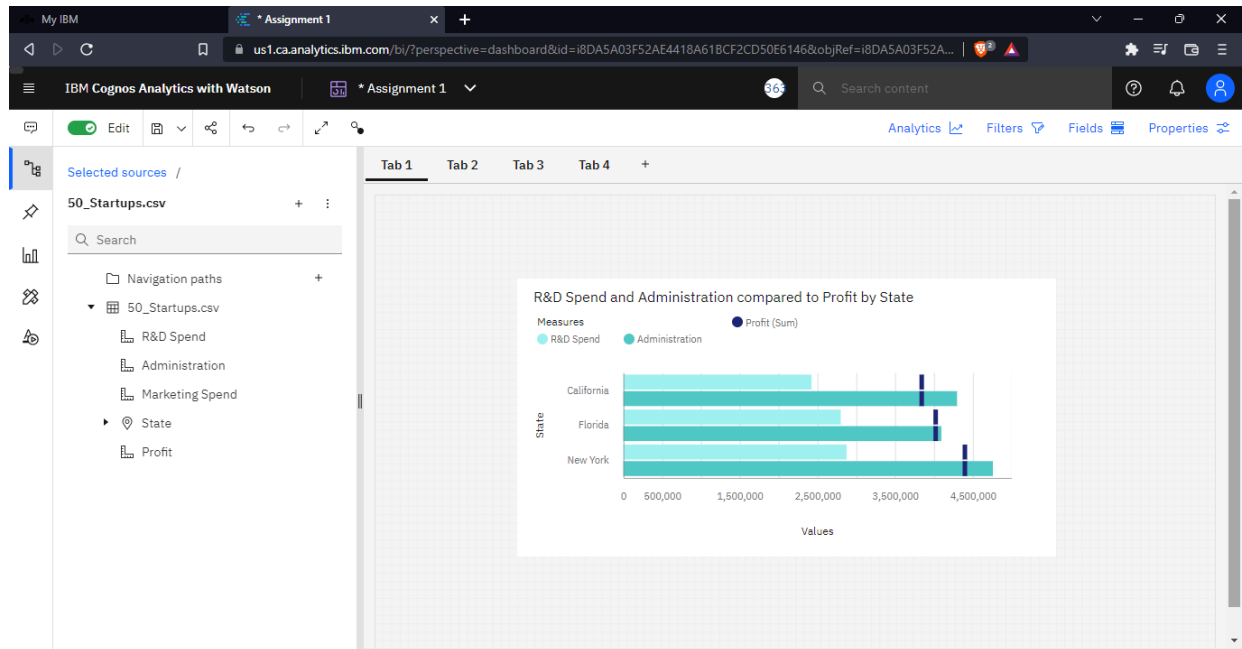
About the 50 startups dataset

This particular dataset holds data from **50 startups in New York, California, and Florida.** The features in this dataset are **R&D spending, Administration Spending, Marketing Spending, and location features,** while the target variable is: **Profit.**

1. **R&D spending:** The amount which startups are spending on Research and development.

2. **Administration spending:** The amount which startups are spending on the Admin panel.

3. **Marketing spending:** The amount which startups are spending on marketing strategies.

4. **State:** To which state that particular startup belongs.

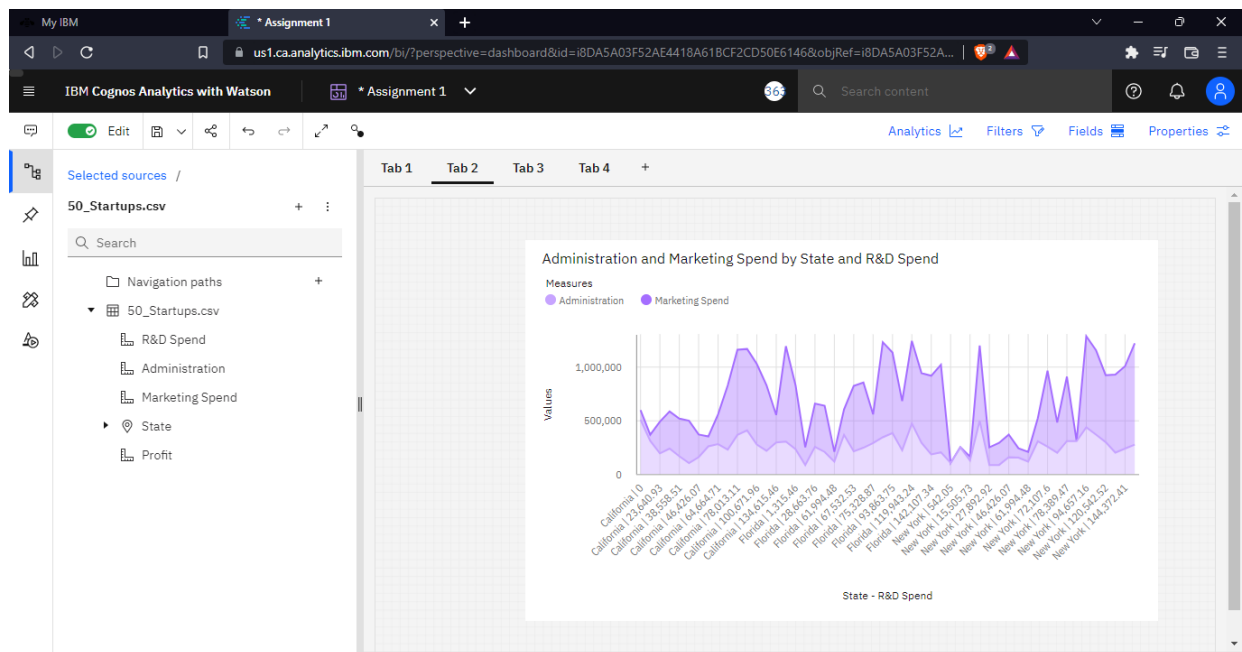5. **Profit:** How much profit that particular startup is making.

Dataset: 50-Startup-Dataset
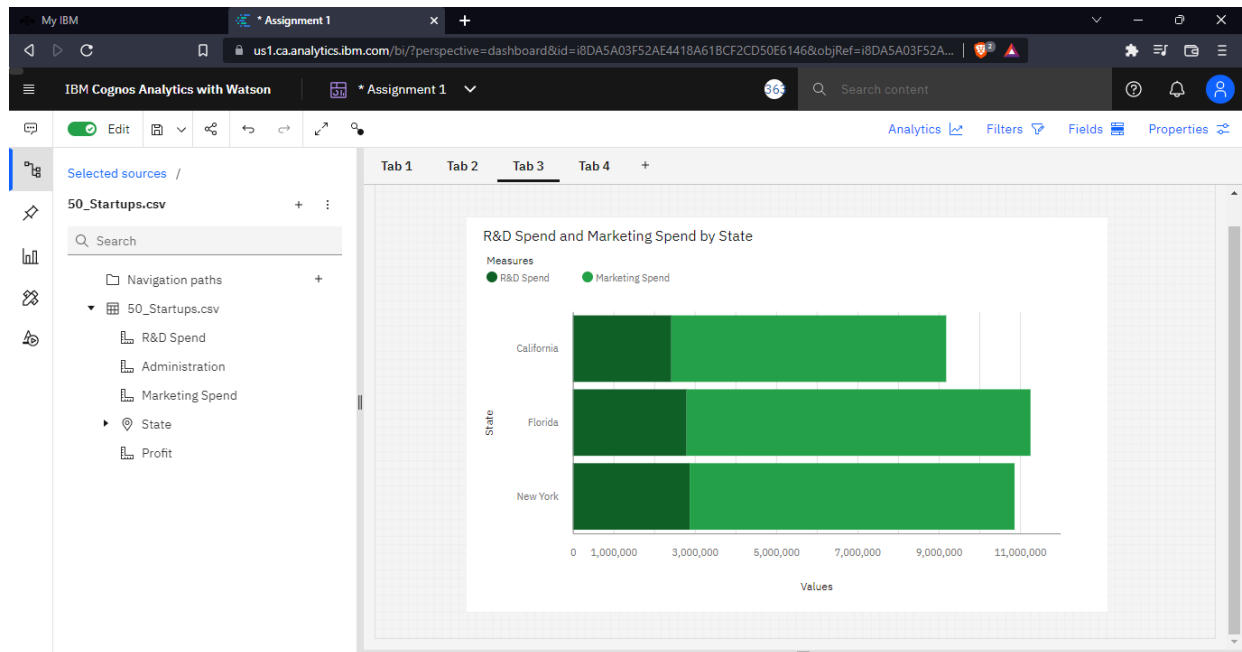
Visualizations:

In the above is a Bar visualization which has **R&D Spend** and **Administration** as X – Axis and the **details of States** are plotted in Y – Axis and the target is taken as **Profit.**

In the above is a Area bar visualization which has **R&D Spend** and **States** as X – Axis and the **Administration and Marketing spent** are plotted in Y – Axis.

In the above is a Stacked bar visualization which has **R&D Spend** and **Marketing Spent** as X – Axis and the **details of States** are plotted in Y – Axis.

In the above is a Column visualization which has **R&D Spend, Administration and Marketing Spent** as X – Axis and the **details of States** are plotted in Y – Axis.