**Deliverable-1**

**GitHub: -** <https://github.com/saikrishnasanda/bigdata>

**1) Team**

**a)  Members**

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**b)  Communication plan to include project artifact repository**

1. **Zoom meetings**
2. **Atkins Library**
3. **Slack**

**2)  Business Problem or Opportunity, Domain Knowledge (link to information on domain relative to data, problem or opportunity)**

As the population increases day-by-day the demand for houses increases side by side. Predicting housing prices based on the characteristics of a locality is the task at hand. During the COVID-19 pandemic era, the demand for houses has increased rapidly. During this process, we should identify the most significant features in the California Housing Dataset. The real Estate domain is the most earning field in the world. Most realtors may not be able to provide a good house to the customers. We will be using machine learning techniques to predict California housing prices.

**3) Selection of relevant data from the sample datasets for AWS Sagemaker**

Canvas-sample-housing.csv: In this dataset, we will find data about the characteristics associated with a particular housing price. We can use this dataset to predict housing prices. With this dataset, use the Numeric prediction model type.

**4)  Research Objectives and Question(s) (what you are trying to describe or predict with the data)**

**. What is the preferred location the people will look for houses to buy?**

**. What kind of atmosphere do the people going to prefer?**

**. How many rooms does the property (bedrooms, bathrooms, etc.) contain?**

**. What are the different kinds of amenities provided?**

**. What is the average price of a house in the locality?**

**We are trying to predict the house price in the California area by using a few machine learning techniques and representing the data visually by using different types of graphs. This helps people to find houses according to their flexibility.**