The goal is to find NYC apartments prices for all the user (customer) to find a good price of the apartments for rent. In this project, we use Machine Learning algorithm of example is a technique associated with linear regression, logistic regression, svm and decision tree to help to find an easy way to calculate the prize. Using the machine learning algorithms, I will show owners of apartments different prices based on date that include bathrooms, bedrooms and living space

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This will be displayed by graphs and data values that represent real estate prices. This will help customers (The people looking to rent apartment units) to see the various locations. I will categorize the different models of machine learning techniques and compare each result. Using the python on the Jupyter-Notebook I will be able to determine proper values of apartment units. Also, most importantly, the code will display the graphs that represent price models. This will allow the graphs to visualize better ways to rent an apartment unit. Motivation By using Machine Learning algorithms in this project, the consumers will easily be able to find apartments that suits their price. This algorithm will require few different user inputs which is needed to meet their desired requirements for the apartments. The user will be able to input their recommended number of bedrooms, bathrooms and size. In addition, they will also input the price range they would like their apartment to be. From these inputs, the algorithm will use Machine Learning to determine the apartments that are suited to that consumer. This algorithm along with Machine Learning will also let users see the price ranges in different boroughs. Data Collection We need some data before we can start this project. These data will help with an algorithm to predict the apartments that are suited for the consumer. In this project, we will use the real-estate data. Below are the data that will be collected and used for the project:

• Total amount of bedrooms

• Total amount of bathrooms

• Total size in SQFT

• Rent amount

• NYC Borough- from 5 borough

# Organize my\_Outline

* Intro (1) page
* Why i want to do this project? (1 page)
* Which method I'm using the find the price for rent and history of method to find an easy way to calculate? (2page)
* Result the graph of the accuracy of calculation for rent price (1page)
* How it will effect to society to better have rent price? (1page)
* Conclusion (half page)