

Wireframe Document

HIGH LEVEL DESIGN (HLD)

Insurance Premium PredictionHIGH LEVEL DESIGN (HLD)

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# Insurance Premium Prediction

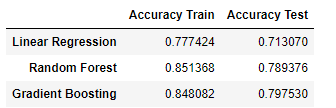
NIKITA MAKARAND PANDE

# Document Version Control

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| Date Issued | Version | Description | Author |
| **03-06-2022** | **1.0** | Introduction, Problem statement | **NIKITA PANDE** |
| **09-06-2022** | **1.1** | Dataset Information Architecture | **NIKITA PANDE** |
| **15-06-2022** | **1.2** | Final Revision | **NIKITA PANDE** |

The project was performe by Exploratory Data Analysis on Jupyter Notebook. The results of the analysis showed that there is a significant relationship between age, sex, region, smoker or not, BMI, and children. I applied many algorithms like SVM (linear regression), Random Forest (random decision trees), and Gradient Boosting Regressor to analyze the data. In the end, I chose Gradient Boosting Regressor as it yielded better results than the other models.

Accuracy Difference between Linear Regression,Randon Forest Regressor and Gredient Boosting Regressor



**For Customer Best Experience are you used GUI?**

