- **10 Q&A**

a. What libraries were used for this project?

Libraries used for the project were Matplotlib, Numpy, Pandas, Seaborn and Sklearn.

b. Who are the stakeholders in this project?

The stakeholders for this project are primarily clinics and hospitals. Healthcare providers and hospitals, primary care physicians can use such information to predict the disease in the patients and hence will be able to provide preventive measures to their patients.

c. Where is the dataset retrieved from?

I retrieved the dataset from Kaggle.

d. Does age affect the heart failure of the patients?

Based on the data analysis, age plays a major role in heart failure of the patients. As the patients age increased there was increase in heart failure chances.

e. What outcome would the project make or create?

Even though the question in the dataset is dealing about predicting the heart disease in the patients- but the end goal of the project is to build a generic model that can be used to apply and get the results in pretty much all other disease areas.

f. Any null values encountered?

There were no null values in all the features.

g. Types of models used?

Five different models were used and were from Sklearn which were logistic regression, KNearest Neighbors, Random Forest Classifier, Linear SVC and SVC.

h. What types of visualization were used?

Bar chart were used commonly to view the data analysis and also heatmap.

i. What is the gender ratio of patients in the dataset?

Based on the exploratory data analysis it was seen that there were higher number of males who had heart disease or didn't had disease in compared to females. This could be contributed to the fact that the patient's dataset largely comprised of males.

j. What is the shape of the dataset?

Based on the dataset, it was seen that there are 303 rows and 14 variables.

- **References**

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