

Diabetes Prediction

PROJECT PROPOSAL 2021

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PROJECT DESCRIPTION

Diabetes is a chronic disease that affects millions of people worldwide. The condition is capable of damaging and destroying numerous tissues over time. Hence, diabetes can be controlled much more effectively if the diagnosis is obtained early. In this project, we will develop machine learning models that incorporate classification techniques to predict diabetes based on several characteristics, including Glucose, Age, Body Mass Index (BMI), Insulin, and the history of diabetes in a patient.

DATA USED

The original dataset comes from the National Institute of Diabetes and Digestive and Kidney Diseases. The Pima Indians Diabetes Database provides this data, which can be found on Kaggle. There is only one target variable (Outcome). A patient's age, BMI, insulin level, number of pregnancies and diabetes are all predictor variables.

TOOLS AND LIBRARIES

- Python
- JupyterNotebook
- Visual Studio
- Flask
- Pandas
- Numpy
- Matplotlib
- Seaborn