T5   Boot Camp

Data Science

Project Proposal

No.3 (Classification)

No.	G5 - Names
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Instructor:

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- Question/Problem statement:

    Diabetes is a chronic long-lasting health condition that affects how body turns food into energy. Most of the food you eat is broken down into sugar (also called glucose) and released into your bloodstream. When your blood sugar goes up, it signals your pancreas to release insulin. Insulin acts like a key to let the blood sugar into your body's cells for use as energy. This project is aiming to classify if the patient has the diabetes or not based on serval factors.

Q\ How can we using ML classification to predicting diabetes disease?

- Data Description:

The dataset is called Diabetes Dataset form Kaggle

    Columns: pregnancies(int) – Glucose(int) -Blood Pressure(int)- Skin Thickness(int) – Insulin(int) - BMI (float)– Diabetes Pedigree Function (float) - Age(int) - Outcome(int)

    Data size: **(1000 Rows x 9 Columns).**

- Tools:

Programs: Python programming language.

Libraries: Pandas, NumPy, Matplotlib, seaborn, Scikit Learn, stats models.

- MVP Goal:

    The goal of this project is to predict the diabetes and control it and get prevention from it and making the society know about the diabetes and how it is series to get prevention from it.