Client Situation: Translational Health (Evergreen)

Problem Statement:

- Conversion of Prediabetes to Diabetes: A Retrospective Analysis of Contributing Variables
- To provide technical assistance to the EHN analytics department as they deploy and test a model to identify patients with pre-diabetes who are at high risk for developing T2DM.

Our Solution:

- Masked Personal Information
- EDA to show the spread of the data across various features
- Cleaning and preprocessing
- Data visualization to represent the data more effectively
- Statistical analysis of the features
- Build a model based on the client requirement

Business Outcomes

- Identify patients with pre-diabetes who are at high risk for developing T2DM
- Deploy, test and validate classification model based on the requirement

Our Approach:

| Acquire Data | Data Cleansing | EDA | Build, Train and Validate ML Models | Result Visualization |

Technologies Used:

python

Data Studio

scikits learn — machine learning in Python

pandas

Google Cloud Platform