

Project Proposal

This repo is one of the T5 Bootcamp requirements.

HOW We'll discover the accuracy of the data ?

How WHAT IS THE AGE MOST PRONE TO DIABETES?

#WHAT AGE IS MOST LIKELY TO GET TYPE 2 DIABETES?

#WHAT AGE IS MOST LIKELY TO GET TYPE 1 DIABETES?

Description

These dataset based on the blood sugar level, plasma glucose level and HbA1c .

Dataset

To achieve the goal of this study the dataset **Diabetestype.project** Dataset will be used.

This dataset can be found at [data.world]([Diabetes type dataset - dataset by abelvikas | data.world](#)).

This dataset contains the following:

	# age	# bs_fast	# bs_pp	# plasma_r	# plasma_f	# hba1c	type	class
1	50	6.8	8.8	11.2	7.2	62	Type1	true
2	31	5.2	6.8	10.9	4.2	33	Normal	false
3	32	6.8	8.8	11.2	7.2	62	Type1	true
4	21	5.7	5.8	10.7	4.8	49	Normal	false
5	33	6.8	8.8	11.2	7.2	62	Type1	true
6	30	5.2	7.4	8.7	5.6	41	Normal	false
7	26	5.8	4.2	11.4	8.4	53	Type2	true

Diabetestype.csv

These dataset based on the blood sugar level, plasma glucose level and HbA1c .

COLUMN NAME	TYPE	DESCRIPTION
# age	integer	This is the age of the patients
# bs_fast	decimal	This is the Blood Sugar in fasting (Before meals), mmol/L
# bs_pp	decimal	This is the Blood Sugar in 90 minutes after meals , mmol/L
# plasma_r	decimal	Plasma glucose test Random taken at any time, mmol/L
# plasma_f	decimal	Plasma glucose test Fasting usually taken in the morning because it should be taken after atleast 8 hours, mmol/L
# hba1c	integer	mmol/mol
type	string	
class	boolean	

Tools

There are tools that will be used to achieve the goal of this study, such as: `` matplotlib, pandas,numpy, from sklearn.tree `` for discovering the data and train a model. The work will be done through Jupyter notebook.

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