Predict the onset of diabetes based on diagnostic measures

* You **asked** an interesting question and defined a problem to solve through data analysis so you can answer that question.

**See one patient(female) diagnostic measure and analyze their data and predict if a person will have diabetes or not?**

Our datasets will contain several medical predictor variables and one target variable call the outcome. Predictor variables include the number of pregnancies the patient has had, their BMI, insulin level, age, and so on.

| Pregnancies | Glucose | Blood pressure | Skin thickness | Insulin | BMI | DiabetesPedigreeFunction | Age | Outcome |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 6 | 148 | 72 | 35 | 0 | 33.6 | 0.627 | 50 | 1 |
| 1 | 1 | 85 | 66 | 29 | 0 | 26.6 | 0.351 | 31 | 0 |
| 2 | 8 | 183 | 64 | 0 | 0 | 23.3 | 0.672 | 32 | 1 |
| 3 | 1 | 89 | 66 | 23 | 94 | 28.1 | 0.167 | 21 | 0 |
| 4 | 0 | 137 | 40 | 35 | 168 | 43.1 | 2.288 | 33 | 1 |

But our dataset is smaller in the future we will have more data.