|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Attribute** | **Description** | **Measurement** | **Value Range** |
| 1 | **Pregnancies** | How many times a person became pregnant | Years | 0 to 17 |
| 2 | **Glucose** | Plasma glucose level after 2 h | Mg/dl | 0 to 199 |
| 3 | **Blood Pressure** | Pressure An individual’s BP | (MM/Hg) | 0 to 122 |
| 4 | **Skin Thickness** | The triceps fold thickness | MM | 0 to 99 |
| 5 | **Insulin** | patient blood insulin levels | μ U/ml | 0 to 846 |
| 6 | **BMI** | Body mass index | kg | 0 to 67 |
| 7 | **Diabetes Pedigree Function** | It shows the capability that analyses diabetes risk | 1 =diabetic disease  0 =non diabetic disease | 0 to 2.45 |
| 8 | **Age of an individual years 21 to 81** | Age of an individual | Years | 21 to 81 |
| 9 | **Outcome** | Class attributes | 1 diabetic and 0 non diabetic | 0 or 1 |

PIMA Indian

**CDC Diabetes Health Indicators BRFS 2015**

| **No** | **Variable Name** | **Role** | **Type** | **Demographic** | **Description** | **Missing Values** |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | Diabetes\_binary | Target | Binary |  | 0 = no diabetes 1 = prediabetes or diabetes | no |
| 1 | HighBP | Feature | Binary |  | 0 = no high BP 1 = high BP | no |
| 2 | HighChol | Feature | Binary |  | 0 = no high cholesterol 1 = high cholesterol | no |
| 3 | CholCheck | Feature | Binary |  | 0 = no cholesterol check in 5 years 1 = yes cholesterol check in 5 years | no |
| 4 | BMI | Feature | Integer |  | Body Mass Index | no |
| 5 | Smoker | Feature | Binary |  | Have you smoked at least 100 cigarettes in your entire life? [Note: 5 packs = 100 cigarettes] 0 = no 1 = yes | no |
| 6 | Stroke | Feature | Binary |  | (Ever told) you had a stroke. 0 = no 1 = yes | no |
| 7 | HeartDiseaseorAttack | Feature | Binary |  | coronary heart disease (CHD) or myocardial infarction (MI) 0 = no 1 = yes | no |
| 8 | PhysActivity | Feature | Binary |  | physical activity in past 30 days - not including job 0 = no 1 = yes | no |
| 9 | Fruits | Feature | Binary |  | Consume Fruit 1 or more times per day 0 = no 1 = yes | no |
| 10 | Veggies | Feature | Binary |  | Consume Vegetables 1 or more times per day 0 = no 1 = yes | no |
| 11 | HvyAlcoholConsump | Feature | Binary |  | Heavy drinkers (adult men having more than 14 drinks per week and adult women having more than 7 drinks per week) 0 = no 1 = yes | no |
| 12 | AnyHealthcare | Feature | Binary |  | Have any kind of health care coverage, including health insurance, prepaid plans such as HMO, etc. 0 = no 1 = yes | no |
| 13 | NoDocbcCost | Feature | Binary |  | Was there a time in the past 12 months when you needed to see a doctor but could not because of cost? 0 = no 1 = yes | no |
| 14 | GenHlth | Feature | Integer |  | Would you say that in general your health is: scale 1-5 1 = excellent 2 = very good 3 = good 4 = fair 5 = poor | no |
| 15 | MentHlth | Feature | Integer |  | Now thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good? scale 1-30 days | no |
| 16 | PhysHlth | Feature | Integer |  | Now thinking about your physical health, which includes physical illness and injury, for how many days during the past 30 days was your physical health not good? scale 1-30 days | no |
| 17 | DiffWalk | Feature | Binary |  | Do you have serious difficulty walking or climbing stairs? 0 = no 1 = yes | no |
| 18 | Sex | Feature | Binary | Sex | 0 = female 1 = male | no |
| 19 | Age | Feature | Integer | Age | 13-level age category (\_AGEG5YR see codebook) 1 = 18-24 9 = 60-64 13 = 80 or older | no |
| 20 | Education | Feature | Integer | Education Level | Education level (EDUCA see codebook) scale 1-6 1 = Never attended school or only kindergarten 2 = Grades 1 through 8 (Elementary) 3 = Grades 9 through 11 (Some high school) 4 = Grade 12 or GED (High school graduate) 5 = College 1 year to 3 years (Some college or technical school) 6 = College 4 years or more (College graduate) | no |
| 21 | Income | Feature | Integer | Income | Income scale (INCOME2 see codebook) scale 1-8 1 = less than $10,000 5 = less than $35,000 8 = $75,000 or more | no |

Iraqi Patient Dataset on Diabetes (IPDD)

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Attribute** | **Description** | **Mean±Std.** |
| 1 | Gender | 0 for females and 1 for male | 0.565±0.4958 |
| 2 | Age | Age in years | 53.739±8.8557 |
| 3 | Fasting blood sugar (FBS) | result of a blood sample taken after a patient fasted for at  least eight hours (mmol/l) | 10.1443±5.0844 |
| 4 | High blood urea nitrogen (BUN) | BUN is the amount of urea nitrogen that’s in your blood  (mmol/l) | 5.1808±3.3486 |
| 5 | Chromium (Cr) | blood levels of chromium (mmol/l) | 69.28±62.2764 |
| 6 | Chol | Fast Cholesterol levels (mmol/l) | 4.9092±2.004 |
| 7 | TG | Concentration Tri Glycoside Levels (mmol/l) | 2.3506±1.3988 |
| 8 | LDL | Low-Density Lipoprotein (mmol/l) | 2.6145±1.1175 |
| 9 | HDL | High-Density Lipoprotein (mmol/l) | 1.2067±0.6594 |
| 10 | BMI | Body Mass Index (Weight in kg / (Height in m)2) | 29.4255±4.8553 |
| 11 | Gyrated hemoglobin (HBA1C) | For the previous two to three months, average blood glucose  (sugar) levels (mmol/l) | 8.2623±2.5370 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Attribute** | **Description** | **Measurement** | **Value Range** |
| 1 | Age | Age of an individual | Years | 01–120 |
| 2 | Family history | Family medical history represents valuable genomic information because it characterizes the combined interactions between environmental, behavioral, and genetic factors. | Yes (1), no (0) | 0, 1 |
| 3 | Glucose | Plasma glucose level after 2 h | mg/Dl | 37–380 |
| 4 | Skin thickness | The triceps fold thickness | Mm | 0–210 |
| 5 | Blood pressure (BP) | Pressure An individual’s BP | mm Hg | 90–190 |
| 6 | Pregnancies | How many times a person became pregnant | Number (0–9) | 0–8 |
| 7 | Insulin | patient blood insulin levels | uU/ml | 0–764 |
| 8 | BMI | Body mass index | Kg/m2 | 14–80.6 |
| 9 | Diagnosis result | Class attributes | Positive (1), negative (0) | 1, 1 |

Dataset type 2 diabetes dari Rumah Sakit Frankfurt Jerman