Dataset #1: “S1Data.csv”

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| --- | --- | --- | --- |
| **Variable Name** | **Description** | **Data Type** | **Variable Type** |
| TIME | Follow up time in days | Integer | Numerical |
| Event | 0 = Censored, 1 = Dead | Integer | Categorical |
| Gender | 0 = Female, 1 = Male | Integer | Categorical |
| Smoking | 0 = Non-smoker, 1 = Smoker | Integer | Categorical |
| Diabetes | 0 = Non-diabetic, 1 = Diabetic | Integer | Categorical |
| BP | 0 = Normal blood pressure, 1 = High blood pressure | Integer | Categorical |
| Anaemia | 0 = Non-anaemic, 1 = Anaemic (haematocrit level less than 36) | Integer | Categorical |
| Age | Age of patient | Numeric | Numerical |
| Ejection.Fraction | Measurement of how much blood the left ventricle pumps out with each contraction | Integer | Numerical |
| Sodium | Serum sodium level of patient | Integer | Numerical |
| Creatinine | Serum creatinine level of patient | Numeric | Numerical |
| Pletelets | Platelet count of patient | Numeric | Numerical |
| CPK | Creatinine phosphokinase level of patient | Integer | Numerical |

Dataset #2: “heart\_2020\_cleaned.csv”

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| --- | --- | --- | --- |
| **Variable Name** | **Description** | **Data Type** | **Variable Type** |
| HeartDisease | Respondents that have ever reported having coronary heart disease (CHD) or myocardial infarction (MI)   * “Yes” or “No” | Character | Categorical |
| BMI | Body Mass Index (BMI) | Numerical | Numerical |
| Smoking | Have you smoked at least 100 cigarettes in your entire life? [Note: 5 packs = 100 cigarettes]   * “Yes” or “No” | Character | Categorical |
| AlcoholDrinking | Heavy drinkers (adult men having more than 14 drinks per week and adult women having more than 7 drinks per week   * “Yes” or “No” | Character | Categorical |
| Stroke | (Ever told) (you had) a stroke?   * “Yes” or “No” | Character | Categorical |
| PhysicalHealth | Now thinking about your physical health, which includes physical illness and injury, for how many days during the past 30 | Numerical | Numerical |
| MentalHealth | Thinking about your mental health, for how many days during the past 30 days was your mental health not good? | Numerical | Numerical |
| DiffWalking | Do you have serious difficulty walking or climbing stairs?   * “Yes” or “No” | Character | Categorical |
| Sex | Are you male or female? | Character | Categorical |
| AgeCategory | Fourteen-level age category | Character | Categorical |
| Race | Imputed race/ethnicity value | Character | Categorical |
| Diabetic | (Ever told) (you had) diabetes?   * “Yes” or “No” | Character | Categorical |
| PhysicalActivity | Adults who reported doing physical activity or exercise during the past 30 days other than their regular job   * “Yes” or “No” | Character | Categorical |
| GenHealth | Would you say that in general your health is…   * poor * fair * good * very good * excellent | Character | Categorical |
| SleepTime | On average, how many hours of sleep do you get in a 24-hour period? | Numerical | Numerical |
| Asthma | (Ever told) (you had) asthma?   * “Yes” or “No” | Character | Categorical |
| KidneyDisease | Not including kidney stones, bladder infection or incontinence, were you ever told you had kidney disease?   * “Yes” or “No” | Character | Categorical |
| SkinCancer | (Ever told) (you had) skin cancer?   * “Yes” or “No” | Character | Categorical |

Dataset #3: “Heart\_Disease\_Indicators\_1.csv”

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable Name** | **Description** | **Data Type** | **Variable Type** |
| HeartDiseaseorAttack | Respondents that have ever reported having coronary heart disease (CHD) or myocardial infarction (MI)   * “Yes” or “No” | Numeric | Categorical |
| HighBP | Do you have high blood pressure - >130/>80 | Numeric | Categorical |
| HighChol | Do you have high cholesterol - 200 mg/dL or higher | Numeric | Categorical |
| BMI | Body Mass Index (BMI) | Numeric | Double |
| Smoking | Have you smoked at least 100 cigarettes in your entire life? [Note: 5 packs = 100 cigarettes]   * “Yes” or “No” | Character | Categorical |
| Stroke | (Ever told) (you had) a stroke? | Numeric | Categorical |
| Diabetes | (Ever told) you have diabetes | Numeric | Categorical |
| PhysActivity | Adults who reported doing physical activity or exercise during the past 30 days other than their regular job | Numeric | Categorical |
| Fruits | Consume Fruit 1 or more times per day | Numeric | Categorical |
| Veggies | Consume Vegetables 1 or more times per day | Numeric | Categorical |
| HvyAlcoholConsump | Heavy drinkers (adult men having more than 14 drinks per week and adult women having more than 7 drinks per week) | Numeric | Categorical |
| GenHealth | Would you say that in general your health is…   * Poor - 1 * Fair - 2 * Good - 3 * very good - 4 * Excellent - 5 | Numeric | Categorical |
| MentalHealth | Thinking about your mental health, for how many days during the past 30 days was your mental health not good? | Numerical | Numerical |
| PhysicalHealth | Now thinking about your physical health, which includes physical illness and injury, for how many days during the past 30 | Numeric | Categorical |
| DiffWalking | Do you have serious difficulty walking or climbing stairs?   * “Yes” or “No” | Numeric | Categorical |
| Sex | Are you male or female? | Numeric | Categorical |
| Age | Thirteen level age category: stratas of 5 years | Numeric | Categorical |