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Data to use for the project

[Hospital Admissions Data: Two Year Hospital Admissions and Discharge Data from Hero DMC Heart Institute](#)

Language to use for the project

[Python](#)

[Jupyter Notebooks](#)

DB to use for the project

[SQLite](#)

Details about Dataset

This dataset contains information collected from patients admitted to the Hero DMC Heart Institute, such as their age, sex, patient history, smoking status, alcohol use, hemoglobin, total lymphocyte count, platelets, glucose, urea, creatinine, brain natriuretic peptide, raised cardiac enzymes, and ejection fraction.

Attributes Analysis

ALL ATTRIBUTES

SERIAL NUMBER, ADMISSION NUMBER, DATE OF ADMISSION, DATE OF DISCHARGE, AGE, GENDER, RURAL(R) /URBAN(U), TYPE OF ADMISSION-EMERGENCY/OPD, MONTH YEAR, DURATION OF STAY, DURATION OF INTENSIVE UNIT STAY, OUTCOME, SMOKING, ALCOHOL, DIABETES MELLITUS, HYPERTENSION, CORONARY ARTERY DISEASE, CARDIOMYOPATHY, CHRONIC KIDNEY DISEASE, HAEMOGLOBIN, TOTAL LEUKOCYTES COUNT, PLATELETS, GLUCOSE, UREA, CREATININE, B-TYPE NATRIURETIC PEPTIDE, RAISED CARDIAC ENZYMES, EJECTION FRACTION, SEVERE ANAEMIA, ANAEMIA, STABLE ANGINA, ACUTE CORONARY SYNDROME, ST ELEVATION MYOCARDIAL INFARCTION, ATYPICAL CHEST PAIN, HEART FAILURE, HEART FAILURE WITH REDUCED EJECTION FRACTION, HEART FAILURE WITH NORMAL EJECTION FRACTION, VALVULAR HEART DISEASE, COMPLETE HEART BLOCK, SICK SINUS SYNDROME, ACUTE KIDNEY INJURY, CEREBROVASCULAR ACCIDENT INFRACT, CEREBROVASCULAR ACCIDENT BLEED, ATRIAL FIBRILATION, VENTRICULAR TACHYCARDIA, PAROXYSMAL SUPRA VENTRICULAR TACHYCARDIA, CONGENITAL HEART DISEASE, URINARY TRACT INFECTION, NEURO CARDIOGENIC SYNCOPE, ORTHOSTATIC, INFECTIVE ENDOCARDITIS, DEEP VENOUS THROMBOSIS, CARDIOGENIC SHOCK, SHOCK, PULMONARY EMBOLISM, CHEST INFECTION

EXCLUDED ATTRIBUTES

SERIAL NUMBER, ADMISSION NUMBER, DATE OF ADMISSION, DATE OF DISCHARGE, RURAL(R) /URBAN(U), TYPE OF ADMISSION-EMERGENCY/OPD, MONTH YEAR, DURATION OF STAY, DURATION OF INTENSIVE UNIT STAY, OUTCOME

REMAINING ATTRIBUTES

AGE, GENDER, SMOKING, ALCOHOL, DIABETES MELLITUS, HYPERTENSION, CORONARY ARTERY DISEASE, CARDIOMYOPATHY, CHRONIC KIDNEY DISEASE, HAEMOGLOBIN, TOTAL LEUKOCYTES COUNT, PLATELETS, GLUCOSE, UREA, CREATININE, B-TYPE NATRIURETIC PEPTIDE, RAISED CARDIAC ENZYMES, EJECTION FRACTION, SEVERE ANAEMIA, ANAEMIA, STABLE ANGINA, ACUTE CORONARY SYNDROME, ST ELEVATION MYOCARDIAL INFARCTION, ATYPICAL CHEST PAIN, HEART FAILURE, HEART FAILURE WITH REDUCED EJECTION FRACTION, HEART FAILURE WITH NORMAL EJECTION FRACTION, VALVULAR HEART DISEASE, COMPLETE HEART BLOCK, SICK SINUS SYNDROME, ACUTE KIDNEY INJURY, CEREBROVASCULAR ACCIDENT INFRACT, CEREBROVASCULAR ACCIDENT BLEED, ATRIAL FIBRILATION, VENTRICULAR TACHYCARDIA, PAROXYSMAL SUPRA VENTRICULAR TACHYCARDIA, CONGENITAL HEART DISEASE, URINARY TRACT INFECTION, NEURO CARDIOGENIC SYNCOPE, ORTHOSTATIC, INFECTIVE ENDOCARDITIS, DEEP VENOUS THROMBOSIS, CARDIOGENIC SHOCK, SHOCK, PULMONARY EMBOLISM, CHEST INFECTION

Heart Disease Types Present

HYPERTENSION

CORONARY ARTERY DISEASE

CARDIOMYOPATHY

HEART FAILURE

CONGENITAL HEART DISEASE