Lab-1

On Write a program code filename as "housing. csv" To load of file into datagrame in To display information of all columns To display statistical information of all numerical in To display the court of unique labels for "Ocean proximity" column VY To display which attributes in dataset have missing values count greater than zero import pandas as pa file-name = " housing GV" 4 = pd. read-cs v (file-name) print (d, info()) print (d. des cribe()) print (of ['Ocean proximity']. court()) missing-values = of. isnull. sum () columns with mixing = mixing-values (mixing values 20 point (columns with mixing) On't write python code implement following data processing techniques for diabetes dataset. Oata Cleaning: Handling niesing values, Handling Categorical data, Handling Suttiers. 27 Pafa fransformations: Min - Max scaler Noomatized, standard scaler.

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import pandas as pd import numpy as np from 3 klearn preprocessing import MinMan Scalar, 3 fandard Scaler, Label Encoder. diabetes = pd. read-csv ("diabetes.csv") diabetes drop(columns = ['ID', 'wo-Pation'], inplace = Tour) diabetes, dropna (inplace = four) diabetes [ E'yendor', 'CIASS'] = diabetes [ ['Yendor', '(LASS']] apply Clabel Encoder () fit fansform) diabetes = diabetes [(np.abs ((diabetes . select-dtypes (include = [np number]) - diabetes . mean () / diabetes. 3td())<3). all Caris =1))] Scaler = Min Max Scaler () diabetes\_scaled = pd. Pata Frame (scales-fit-toansform (diabetes.drop(columns=['(lan'])), columns= diabetes. columns[:-1]) diabetes\_scaled ['CLASS'] = diabetes ['CLASS'] values print (diabetes = s caled, head ()) 017 6/2/25