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Diabeter and tout income Datasets Data Preprocessing White python code to implement the pollowing data preparaging techniques for diabetes & Adult income data sets 1. Data cleaning: Handling Missing values, Handling categorical data, Handling outliers 2. Data Hansformation: Min-Max scales/ Normalization, standard scales adult.cm & detaret of diabeter.cm 1) which columns in the dataset had missing values? How did you harde them? No Columns had missing values No column had missing values Handling method: Stonce no missing values
were pouled, no imputation was performed

PAGE: which categorical columns ded you identify in the data set? How did you encode them? * Adult Income Dataset (dutt. can) categorical columns: , woskilan education material-status · occupation - relationship · gendes . native-Gurly income Encoding method: on hot encoding Las applied Using pol. get dummies (of drop jis et = Troue), which Converted they (atgorical columne into numerical joined Diabete Data set (Datasel of diabetes sed Categories column: vas applied pd. get-dummies (d. drop-jiss + = True) to to though the transformation

A PAGE:

them into numeric format. 3) what is the difference b/w prin-Max scaling & standardization? when would you use one over the other. Jeatus Min-Max Scaling Standardigation
Definition Scales valuables (usually usi) around
fixed range (usually usi) mean(0) with mean (0) with Admula x & caled = X max - X min Y-ximin (SD D) x 8+andari. - zed = 5X-1 Preserver Original date distribution but sales Variance when to use? when preserving relationship when data

G original transp. On a date as information

important or country. of counter outlier. one over the other - Min Max scaling is useful when

- you need date to be within a fixed

grang the laterest does not contain

extreme outlies.

