plates : Pandas

Anomaria estimator & Galo bone Pandas is a Python liberry used for for working with data sets. It has functions for analyzing cleaning, explaining and manipulating data.

Import pandas as pd

Once you import it you can take your data amalysis

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as shall

to whole new level.

-> df -pd . read CEV ( "doda A le nome . csv") used to read the csv file imported.

Find the headings from the csu file -> df +िष्

Find the last 5 heading

-> df ['Name']. dtype

df. dtypes

Wed to find the data types in it

→ df. coloums

used to find the number of colours and car free. Sail detable of many

heading - dd. Engre

to these commit - df ['norme']. mean()

find the mean value.

or someone say - odf. group by ( wame !) ["] - mean ()

\*>df.describe (). It will give you count, mean standard deviation and also 5 mamber summary df: num unique C/ Jt will give all the unique values a varide country of anaemia. value\_counts (). · lovel were steries of Panda dtype - Pythontype - Leage Object - Sta. Orenised - Tot a mixed numer Port 64 - tot - Integer mussbers Float 64 - float - Floating point number bool - bool - Treve False values 290+ tb ib 1. Data Stancture: Series: A one - dimensional array like objed that held date of any type amoles the 2. Reading & westing Pata; Pandas can read data from various sources such as car files. SQL database & more. It can also write data 3. Data Manupulations Pandas partede a void range of operation for data manupulation, including selecting, Filtory, merging gedneshing and groupping.

1. Data Analysis & Emploration:
You can program various statistical & description analysis using pandas, including mean, median, standard deviation & mode.

Data Emploration tasks such as identifying missing data or unique values are unially accomplished with pandas

5. Data Cleaning & preprocessing:
You can clean & preprocess data by handling missing values, converting data types and applying functions to colours

G. Data Visulization:

While pandos itself is not a data Visualization Citaly liberty like matpotlib & seabour to create plots and charts

Some Essential concepts & tasks you can perfor with pendes

1. Identifying & Selection:

Pandas provides various methods for selecting & indexing data within Data frames. You can usp loc I J' for label-breed indexing & '. i (oct]' for integer-based indexing. Alloo Boolen is used for indexing conditional selection.

for integer sonditional selection.

2. Grouping & Aggre gation:
You can group data within a Data frame bard

on one or more colourns & the apply aggregation function like summean, court .. etc to these on to groups or set aloni. solved prize signer

3. Sorting & Romking:
Data withing a data From can be sorted by on one or more colours. you can assign ranks to the data based on certain criteria

4. Magne & James.

4. Merging & Forning:

Pandas allows how to meage multiple Data Framos together curing methods (the meage ()' or concert), semilar to sal erraps is

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Some sexutial conteste & testes you can subject that worked

1. Identifying & solodian:

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for well-person indexing. Also Beston is her dur indexing conditional selections.

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You can group data willing a Data from a

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