Title - Find out missing data in Data set.

Aim :-

- 1. To understand and apply that Data Poe-processing concept 2. To study detailed Data Pre-processing concept in Python

Software Requirements:

- 1. Vbuntu 16+
- 2. Python 3.9+
- 3. Anaconda Spider / Jupiter Notebook.

Theory:

Mining Data can occur when no information is provided for one or more items or for awhole until Missing Data is a very big problem in real-life scenarious Missing Data can also refer to as NAC not Available) valves in pandas. In Data frame Sometimes many data sets simply arrives with missing datas either because it exists and was not collected or it never enisted For en, suppose different users being surveyed may choose not to share different wers their income, some users many choose not to share their address in this way many dotasets went missing.

In Pandas missing data is represented by two value:

· None: None is a python singleton object that is often used for missing data in

Bython code.

. NaN - NaN can accornym for Not a number, is a special floating point value recognized by all systems that use the standaged IFFF floating point representation Pandas treat None & NaN as essentially interchargeable for indicating missing or null values. To facilitate this convention, there are several rusquel functions for detecting, removing & seplacing null values in landas Vata Frame.

- · is null ()
- · not null()
- · dropna()
- · Fillna()
- · replace()

· interpolate()

Checking for missing values is null () & not null () In order to check missing values in Pandas Data Frame, we use a Function is null () & not null (). Both Function help in checking whether a value is NaN or not These function can also be used in Pandas devices in order to Find null values in a series.

Checking for missing values using is null()
In order to check null values in Pandas Data Frame, we use is null() function return data Frame of Booken values which are true for NaN values.

Conculsion:

Thus we have studied different methods to replace missing data in dataset.

Checking for missing values using isnull()

Out[1]: First Score Second Score Third Score 0 True True False 1 True True True 2 False True True 3 True False True

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In [ ]:
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