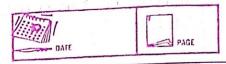




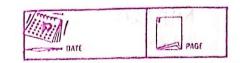
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	DOP: 03 Jan 2022 DOS: 10 Jan 2022
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	Title: Data Wrangling-I
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	Problem statement: perform following operation
	using python on any open source database/
	dataset.
	1. Import all required libraries.
	2. Locate an open source web dataset. Provide
1	a clear description of the data and it's
	source.
	3. Load the dataset into panda's dataframe.
	4. Data preprocessing: check for missing
	values in data. Use pandas describes
	function to get some initialistatistics.
	provide variable discriptions, Types of variables
er .	etc. Check dimensions of dataframe.
	5. Data formatting and normalization"
	summarize the types of variables by
	checking types of variables in datases.
	if variables are not in correct datatypes
ij.	apply proper type conversions.
	6. Turn categorial values into quantitative
	variables
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After the data is collected from different
sources and before the data is used to prepare
models, it has to be processed, this process
makes the data more consistent and called as
data wrangling

Python is one of the most preferred
languages for data science. The pandas library



provides us with various pre implemented functions to preprocess our data some of the functions are.

df. shape — Giver us dimensions of of df

df. is nalls — boalean of where each cell holds

True IF pot null.

df. describe() -> around our df.

df. columns -- returns list of columns.

pandas also provides as with many functions which help us fill the missing values or drop the rows. Also categorical data can be converted to quantative data variable.

Analysis/ methods:

The given dataset contained 13580 x21 with missing values in some columns that we filled with mean for numeric columns. We converted 'object' datatypes into string' datatype. We also converted categorical data.

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	Conclusion: Successfully performed data wrangling tasks on the dataset.
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