

Insert the correct Pandas method to create a Series.

pd.____(mylist)

Insert the correct syntax to return the first value of a Pandas Series called "myseries"?

Myseries____

Insert the correct syntax to add the labels "x", "y", and "z" to a Pandas Series.

pd.Series(mylist,____)

Exercise: Cleaning a CSV file

Suppose we have the following CSV file: sales_data.csv

1. Load the CSV file into a Pandas DataFrame.
2. Explore the data using methods like `head()`, `info()`, and `describe()` to understand its structure and any missing values.
3. Clean the data by addressing any missing or erroneous values. This might involve filling missing values, dropping rows/columns with missing values, or correcting data types.
4. Save the cleaned DataFrame to a new CSV file called "cleaned_sales_data.csv".

Exercise: Cleaning a Dataset using Mean, Median, and Mode

Suppose we have the following dataset: sample_data

1. Load the dataset into a Pandas DataFrame.
2. Explore the dataset to understand its structure and any missing values.
3. Identify columns with missing values and choose appropriate strategies to fill them:
 - For numeric columns, fill missing values with the mean or median.
 - For categorical columns, fill missing values with the mode.
4. After cleaning, save the cleaned DataFrame to a new CSV file named "cleaned_sample_data.csv".