Lab-1

05/09/24

1) Importing and exporting data:

(i)

```
import pandas as pd
airbnb_data=pd.read_csv("/content/austin Housing Data.csv.zip")
airbnb_data.head()
```

Output:

	zpid	city	streetAdress	zipcode	description	latitude	....
0	112373431	pflugerville	14424 Lake	78660		30.43063 2	
1	120900430						
2	20649491383						
3	12090137 4						
4	60134862						

(ii) Reading data from url:

```
url="https://archive.ics.uci.edu/ml/machine-learning-databases/iris/iris.data"
// Define columns names:
col_names=["sepal_length_in_cm",
           "sepal_length_in_cm",
           "petal_length_in_cm",
           "petal_width_in_cm",
           "class"]
iris_data=pd.read_csv(url, names=col_names)
iris_data.head()
```

output:

	sepal_length_in_cm	sepal_width_in_cm	petal_length_in_cm	petal_width_in_cm
0	5.1	3.5	1.4	0.2
1	4.9	3.0	1.4	0.2
2	4.7	3.2	1.3	0.2
3	4.6	7.1	1.5	0.2
4	5.0	3.6	1.4	0.2

(iii) Exporting dataframe to csv file :

```
iris_data.to_csv("cleaned_iris_data.csv")
```

Lab1.ipynb

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+ Code + Text

RAM Disk

5 rows × 47 columns

```
[21] url = "https://archive.ics.uci.edu/ml/machine-learning-databases/iris/iris.data"
     # Define the column names
     col_names = ["sepal_length_in_cm",
                  "sepal_width_in_cm",
                  "petal_length_in_cm",
                  "petal_width_in_cm",
                  "class"]

     # Read data from URL
     iris_data = pd.read_csv(url, names=col_names)
     iris_data.head()
```

	sepal_length_in_cm	sepal_width_in_cm	petal_length_in_cm	petal_width_in_cm	class
0	5.1	3.5	1.4	0.2	Iris-setosa
1	4.9	3.0	1.4	0.2	Iris-setosa
2	4.7	3.2	1.3	0.2	Iris-setosa
3	4.6	3.1	1.5	0.2	Iris-setosa
4	5.0	3.6	1.4	0.2	Iris-setosa

Next steps: View recommended plots

```
[22] iris_data.to_csv("cleaned_iris_data.csv")
```

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     iris_data = pd.read_csv(url, names=col_names)
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	sepal_length_in_cm	sepal_width_in_cm	petal_length_in_cm	petal_width_in_cm	class
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Next steps: View recommended plots

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[22] iris_data.to_csv("cleaned_iris_data.csv")
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