5 April 2024

Importing and Exporting Data using Pandas

Algorithm Screenshot

Inside the handwritten notebook page:

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Week - 1

① Reading from Downloaded CSV file

import pandas as pd.

df = pd.read-csv ('austin Housing Data.csv')

df.head()

② Reading from URL

url = '~iris/iris.data'

col-names = ['sepal-length', 'sepal-width', 'class']

iris-data = pd.read-csv (url, names = col-names)

iris-data.head()

⑤ Exporting File.

iris-data.to-csv ('cleaned-iris-data.csv')
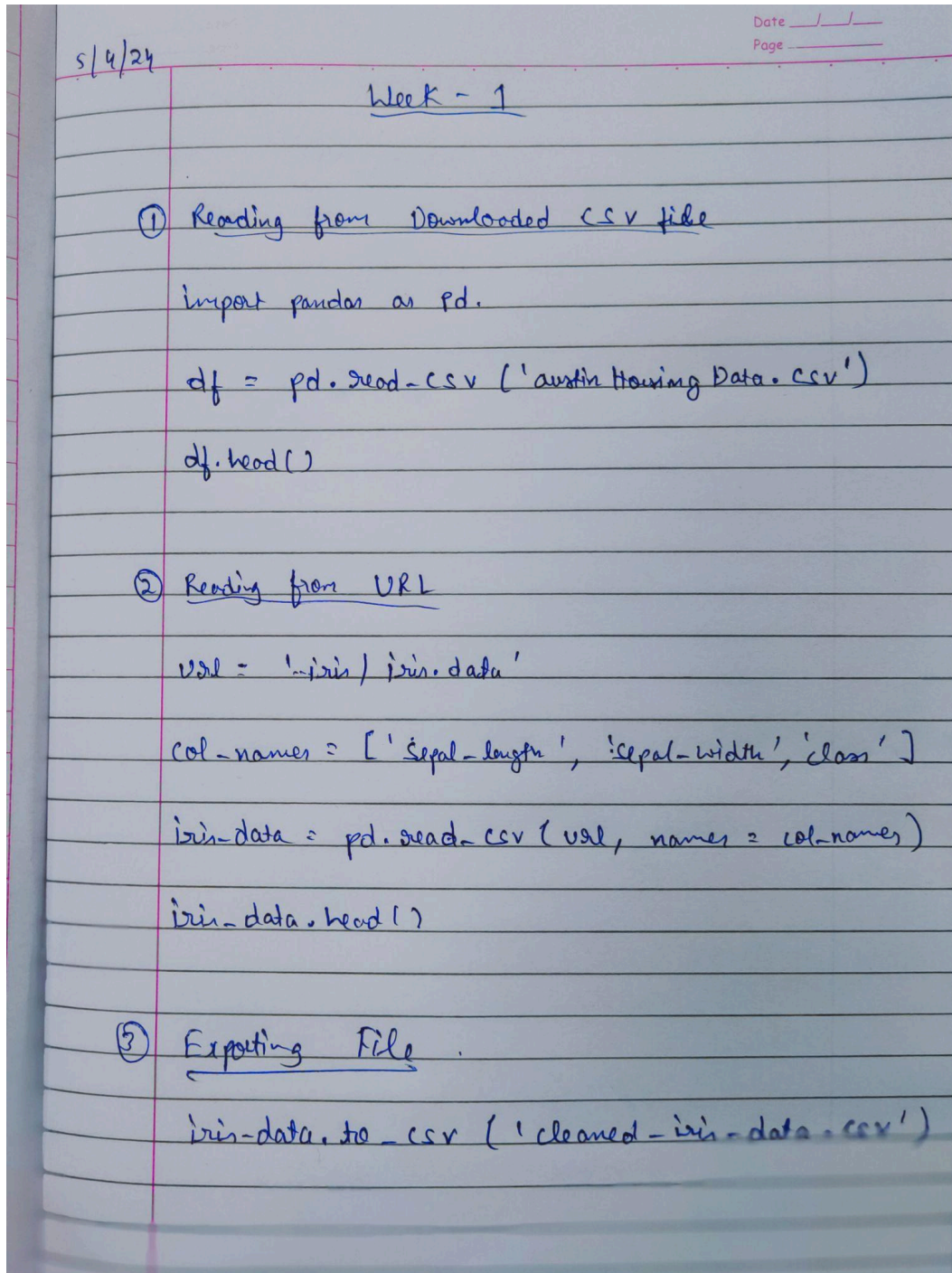
Code Screenshot

```
[5] import pandas as pd
```

```
[7] data = pd.read_csv('/content/austinHousingData.csv')
```

```
[8] data.head()
```

```
[9] url = "https://archive.ics.uci.edu/ml/machine-learning-databases/iris/iris.data"

    col_names = ["sepal_length_in_cm",
                 "sepal_width_in_cm",
                 "petal_length_in_cm",
                 "petal_width_in_cm",
                 "class"]
    iris_data = pd.read_csv(url, names=col_names)
```

```
▶  iris_data.head()
```

```
▶  iris_data.to_csv("exported.csv")
```

Output:

	zpid	city	streetAddress	zipcode	description	latitude	longitude	propertyTaxRate	garageSpaces	hasAssociation	...	numOfMiddleSchools	numOfHighSchools	avgSchoolC
0	111373431	pflugerville	14424 Lake Victor Dr	78660	14424 Lake Victor Dr, Pflugerville, TX 78660 i...	30.430632	-97.663078	1.98	2	True	...	1	1	
1	120900430	pflugerville	1104 Strickling Dr	78660	Absolutely GORGEOUS 4 Bedroom home with 2 full...	30.432673	-97.661697	1.98	2	True	...	1	1	
2	2084491383	pflugerville	1408 Fort Dessau Rd	78660	Under construction - estimated completion in A...	30.409748	-97.639771	1.98	0	True	...	1	1	
3	120901374	pflugerville	1025 Strickling Dr	78660	Absolutely darling one story home in charming ...	30.432112	-97.661659	1.98	2	True	...	1	1	
4	60134862	pflugerville	15005 Donna Jane Loop	78660	Brimming with appeal & warm livability! Sleek ...	30.437368	-97.656860	1.98	0	True	...	1	1	

5 rows × 47 columns

exported.csv ✕

1 to 10 of 150 entries | Filter

	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	3.1	1.5	0.2
4	5.0	3.6	1.4	0.2
5	5.4	3.9	1.7	0.4
6	4.6	3.4	1.4	0.3
7	5.0	3.4	1.5	0.2
8	4.4	2.9	1.4	0.2
9	4.9	3.1	1.5	0.1