

Read files from a dataframe

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1 Read files from a dataframe

Load pandas and seaborn library

```
[2]: import pandas as pd
import seaborn as sns
```

URL of the dataset (acknowledgement to Michael Waskom who hosted this data in his github repo)

```
[3]: diamonds_url = "https://raw.githubusercontent.com/TrainingByPackt/
↪Interactive-Data-Visualization-with-Python/master/datasets/diamonds.csv"
```

Yes, we can read files from a URL straight into a pandas dataframe!

```
[4]: diamonds_df = pd.read_csv(diamonds_url)
```

Since the dataset is available in seaborn, we can alternatively read it in using the following line of code

```
[5]: diamonds_df = sns.load_dataset('diamonds')
```

```
[6]: diamonds_df
```

```
[6]:
```

	carat	cut	color	clarity	depth	table	price	x	y	z
0	0.23	Ideal	E	SI2	61.5	55.0	326	3.95	3.98	2.43
1	0.21	Premium	E	SI1	59.8	61.0	326	3.89	3.84	2.31
2	0.23	Good	E	VS1	56.9	65.0	327	4.05	4.07	2.31
3	0.29	Premium	I	VS2	62.4	58.0	334	4.20	4.23	2.63
4	0.31	Good	J	SI2	63.3	58.0	335	4.34	4.35	2.75
...
53935	0.72	Ideal	D	SI1	60.8	57.0	2757	5.75	5.76	3.50
53936	0.72	Good	D	SI1	63.1	55.0	2757	5.69	5.75	3.61
53937	0.70	Very Good	D	SI1	62.8	60.0	2757	5.66	5.68	3.56
53938	0.86	Premium	H	SI2	61.0	58.0	2757	6.15	6.12	3.74
53939	0.75	Ideal	D	SI2	62.2	55.0	2757	5.83	5.87	3.64

[53940 rows x 10 columns]

```
[ ]:
```