

# Inspecting Data Types

Use the space below to explore `data_08_v2.csv` and `data_18_v2.csv` to answer the quiz questions below regarding datatypes. You should've created these data files in the previous section: *Filter, Drop Nulls, Dedupe*.

```
In [1]: import pandas as pd
```

```
In [3]: df_08 = pd.read_csv('data_08_v2.csv')
df_18 = pd.read_csv('data_18_v2.csv')
df_08.head()
```

Out[3]:

	model	displ	cyl	trans	drive	fuel	veh_class	air_pollution_score	city_mpg	hwy_mpg
0	ACURA MDX	3.7	(6 cyl)	Auto-S5	4WD	Gasoline	SUV	7	15	20
1	ACURA RDX	2.3	(4 cyl)	Auto-S5	4WD	Gasoline	SUV	7	17	22
2	ACURA RL	3.5	(6 cyl)	Auto-S5	4WD	Gasoline	midsize car	7	16	24
3	ACURA TL	3.2	(6 cyl)	Auto-S5	2WD	Gasoline	midsize car	7	18	26
4	ACURA TL	3.5	(6 cyl)	Auto-S5	2WD	Gasoline	midsize car	7	17	26

```
In [4]: df_18.head()
```

Out[4]:

	model	displ	cyl	trans	drive	fuel	veh_class	air_pollution_score	city_mpg	hwy_n
0	ACURA RDX	3.5	6.0	SemiAuto-6	2WD	Gasoline	small SUV	3	20	
1	ACURA RDX	3.5	6.0	SemiAuto-6	4WD	Gasoline	small SUV	3	19	
2	ACURA TLX	2.4	4.0	AMS-8	2WD	Gasoline	small car	3	23	
3	ACURA TLX	3.5	6.0	SemiAuto-9	2WD	Gasoline	small car	3	20	
4	ACURA TLX	3.5	6.0	SemiAuto-9	4WD	Gasoline	small car	3	21	

In [5]: df\_08.info()

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 986 entries, 0 to 985
Data columns (total 13 columns):
model                986 non-null object
displ                986 non-null float64
cyl                  986 non-null object
trans                986 non-null object
drive                986 non-null object
fuel                 986 non-null object
veh_class             986 non-null object
air_pollution_score 986 non-null object
city_mpg              986 non-null object
hwy_mpg              986 non-null object
cmb_mpg              986 non-null object
greenhouse_gas_score 986 non-null object
smartway             986 non-null object
dtypes: float64(1), object(12)
memory usage: 100.2+ KB
```

In [6]: df\_18.info()

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 794 entries, 0 to 793
Data columns (total 13 columns):
model                794 non-null object
displ                794 non-null float64
cyl                  794 non-null float64
trans                794 non-null object
drive                794 non-null object
fuel                 794 non-null object
veh_class             794 non-null object
air_pollution_score 794 non-null int64
city_mpg              794 non-null object
hwy_mpg              794 non-null object
cmb_mpg              794 non-null object
greenhouse_gas_score 794 non-null int64
smartway             794 non-null object
dtypes: float64(2), int64(2), object(9)
memory usage: 80.7+ KB
```

In [ ]: