Problem 1 (10 pts)

To answer a numerical value, enter only the numerical value in the answer box and units are not required. If a problem statement says "up to N decimal places," answer by rounding off the N+1 decimal places.

ai_mid1.csv includes data of automobiles. Read this file to a dataframe df and answer the following problems.

1.

Answer the number of data (rows) in df.

```
205
```

2.

Find the average value of the "width" column up to the first decimal place.

```
65.9
```

3.

Answer all the column names that contain missing values. (List them separated by commas ",")

```
price, horsepower
```

4.

Delete all data (rows) containing missing values. The line numbers should be renumbered starting from 0. Answer the code used in the above operations.

```
df2 = df.dropna().reset_index(drop=True)
```

5.

After removing all the lines containing the missing value, find the index of the data with the largest "horsepower"/"width".

```
46
```

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