

✓ Congratulations! You passed!

Grade  
received 100%

Latest Submission  
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To pass 80% or  
higher

Go to next item

1. What type of file allows data to be saved in a tabular format?

1 / 1 point

- ☐ html
- ☒ csv
- ☐ pdf

✓ Correct

2. What Python library is used for statistical modelling including regression and classification?

1 / 1 point

- ☐ Numpy
- ☒ Scikit-learn
- ☐ Matplotlib

✓ Correct

3. What tells us the way the data is encoded?

1 / 1 point

- ☐ File path
- ☐ Data path
- ☒ Encoding scheme

✓ Correct

4. What does the head() method return?

1 / 1 point

- ☐ It returns the last five rows
- ☒ It returns the first five rows
- ☐ It returns the data types of each column

✓ Correct

5. In a dataset what is the name of the columns?

1 / 1 point

- ☐ Type
- ☒ Header
- ☐ Row

✓ Correct

6. The Matplotlib library is mostly used for what?

1 / 1 point

- ☐ Machine learning
- ☐ Data analysis
- ☒ Data visualization

✓ Correct

7. What would the following code segment output from a dataframe df?

1 / 1 point

```
df.tail(10)
```

- ☐ It would return all of the rows of the dataframe
- ☒ It would return the last 10 rows of the dataframe
- ☐ It would return the first 10 rows of the dataframe

✓ Correct

8. What does the following code segment perform in a dataframe?

1 / 1 point

```
df.dropna(subset=["price"], axis=0, inplace = True)
```

- ☐ It drops all of the rows in the column "normalized-losses"
- ☒ Drops missing values in the price column only
- ☐ It replaces the missing values in the column "normalized-losses" with the mean of that column

✓ Correct

9. How would you multiply each element in the column `df["c"]` by 5 and assign it back to the column `df["c"]`?

1 / 1 point

- ☒ `df["c"]=5*df["c"]`
- ☐ `df["a"]=df["c"]*5`
- ☐ `5*df["b"]`

✓ Correct

10. Consider the column "length"; select the correct code for z-score or standard score.

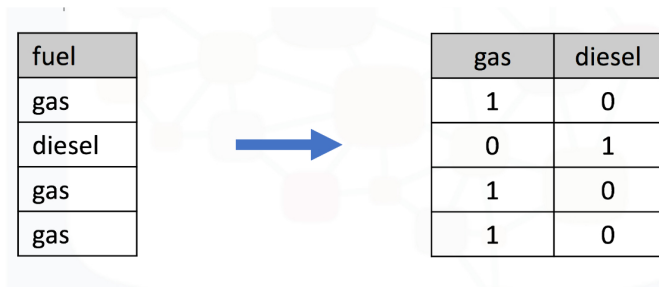
1 / 1 point

- ☐ `df["length"] = (df["length"]-df["length"].min()) / (df["length"].max()-df["length"].min())`
- ☒ `df["length"] = (df["length"]-df["length"].mean())/df["length"].std()`

✓ Correct

11. Consider the following image: what is the name of the operation that transformed the column fuel into quantitative variables?

1 / 1 point



- ☐ Data standardization
- ☒ One-hot encoding

✓ Correct

12. What function will change the name of a column in a dataframe?

1 / 1 point

- ☐ `exchange()`
- ☐ `replace()`
- ☒ `rename()`

✓ Correct