



Final Exam

LATEST SUBMISSION GRADE

100%

1. When looking at a csv file, what separates each value?

1 / 1 point

- ☐ an equal sign
- ☒ a comma
- ☐ an apostrophe

✓ Correct

2. What Python libraries were considered "Algorithmic Libraries" in this course?

1 / 1 point

- ☐ Pandas, Numpy, SciPy
- ☒ Scikit-learn, Statsmodels
- ☐ Matplotlib, Seaborn



Final Exam

Graded Quiz • 25 min

Due Oct 4, 12:29 PM IST

3. What is the file path?

1 / 1 point

- ☒ The file path tells us where the data is stored.
- ☐ The way data is encoded.

✓ Correct

4. What attribute or function returns the data types of each column?

1 / 1 point

- ☐ head()
- ☐ tail()
- ☒ dtypes

✓ Correct

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

1 / 1 point

- ☐ Type
- ☒ Header



Final Exam

Graded Quiz • 25 min

Due Oct 4, 12:29 PM IST

6. What library is primarily used for data analysis?

1 / 1 point

- ☐ scikit-learn
- ☐ matplotlib
- ☒ pandas

✓ Correct

7. How would you check the bottom 10 rows of dataframe **df**?

1 / 1 point

- ☒ df.tail(10)
- ☐ df.tail()
- ☐ df.head()

✓ Correct

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

1 / 1 point



Final Exam

Graded Quiz • 25 min

Due Oct 4, 12:29 PM IST

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

1 / 1 point

```
mean = df["normalized-losses"].mean() df["normalized-losses"].replace(np.nan, mean)
```

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

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

✓ Correct



Final Exam

Graded Quiz • 25 min

Due Oct 4, 12:29 PM IST

10. What does the below code segment give an example of for the column "length"?

1 / 1 point

```
df["length"] = (df["length"]-df["length"].mean())/df["length"].std()
```

- ☒ It gives an example of the z-score or standard score
- ☐ It gives an example of the max-min method

✓ Correct

11. What is it called when you subtract the mean and divide by the standard deviation?

1 / 1 point

- ☐ Min-max method
- ☐ One-hot encoding
- ☒ Data standardization

✓ Correct

12. What segment of code replaces the not number values with a 5 in the column 'peak_rpm'?

1 / 1 point



Final Exam

Graded Quiz • 25 min

Due Oct 4, 12:29 PM IST

✓ Correct

11. What is it called when you subtract the mean and divide by the standard deviation?

1 / 1 point

- ☐ Min-max method
- ☐ One-hot encoding
- ☒ Data standardization

✓ Correct

12. What segment of code replaces the not number values with a 5 in the column 'peak-rpm'?

1 / 1 point

- ☐ `df['peak-rpm'].replace(np.nan, 5,inplace=False)`
- ☒ `df['peak-rpm'].replace(np.nan, 5,inplace=True)`
- ☐ `df['peak-rpm'].replace(np.nan, 4,inplace=True)`

✓ Correct