Final Exam

Latest Submission Grade 100%

1.
Question 1

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

1 / 1 point

◉

csv

○

pdf

○

html

Correct

2.
Question 2

Scikit-learn is used for?

1 / 1 point

○

Fast array processing.

◉

Statistical modelling including regression and classification.

Correct

3.
Question 3

What path tells us where the data is stored?

1 / 1 point

○

Encoding path

◉

File path

○

Scheme path

4.
Question 4

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

1 / 1 point

○

head()

○

tail()

◉

dtypes

5.
Question 5

What is a header?

1 / 1 point

○

name of the rows

◉

name of the columns

6.
Question 6

What library is primarily used for data analysis?

1 / 1 point

○

matplotlib

○

scikit-learn

◉

pandas

7.
Question 7

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

df.tail(10)

1 / 1 point

◉

It would return the last 10 rows of the dataframe

○

It would return all of the rows of the dataframe

○

It would return the first 10 rows of the dataframe

8.
Question 8

What is the function used to remove rows and columns with Null or NaN values?

1 / 1 point

○

replacena()

◉

dropna()

○

removena()

9.
Question 9

How would you multiply each element in the column **df["a"]** by 2 and assign it back to the column **df["a"]**?

1 / 1 point

○

2*df["a"]

○

df["a"]=df["a"]-1

◉

df["a"]=2*df["a"]

10.
Question 10

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

df["length"] = (df["length"]-df["length"].min())/ (df["length"].max()-df["length"].min())

1 / 1 point

○

It gives an example of the z-score or standard score

◉

It gives an example of the max-min method

11.
Question 11

Why is the below table an example of One-hot encoding?

fuel
gas
diesel
gas
gas

→

gas	diesel
1	0
0	1
1	0
1	0

1 / 1 point

◉

Because it transformed the column fuel into quantitative variables

○

Because it transformed the column fuel into a standard deviation

Correct

12.
Question 12

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

1 / 1 point

◉

rename()

○

replace()

○

exchange()

Correct