Assignment 5 - Question 2

≡ Machine Learning / AI   ▨ 15 points

DESCRIPTION

Dataset: Titanic disaster.

Q2: Some of the values in the "Age" column are missing. Use Linear Regression model to fill the missing values in the dataset.
(**Hint:** Dependent Variable(Age)) to fill(predict) the missing values.

1. Print the total number of cells having missing values in the Age column.

Example:
If Total number of cells with missing value is: 100

Output: 100

2. Print the sum of the index number of all the cells with missing values.

Example:
If the Index Number of cells with missing value is: (4,6,20,40)

Output: 70

3. Print the mean of all the new values filled using linear regression.
Example:
If the new filled values are: (25.0,30.0, 30.0,35.0)
Output: 30.0

Final Output Sample:

	A
1	100
2	200
3	300

NOTE: Here, 100, 200 and 300 are the answer of 1st, 2nd and 3rd question respectively.

Output Format:

- Perform the above operations and write (written above as **print**) your output to a file named **output.csv**, which should be present at the location **/code/output/output.csv**
- **output.csv** should contain the answer to **each question** on consecutive rows.

DATASETS

- Training dataset ⑦

EXECUTION TIME LIMIT

Default.