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Started on	Friday, 19 June 2020, 10:57 PM
State	Finished
Completed on	Friday, 19 June 2020, 11:01 PM
Time taken	3 mins 38 secs
Marks	8.00/9.00
Grade	**8.89** out of 10.00 (**89**%)

Question 1

Correct

Mark 1.00 out of 1.00

You must use this dataset and instructions given here to solve all the questions of this assignment: https://github.com/dphi-official/Practice_and_Assignments/blob/master/Assignment_2_EDA_for_Advanced_Learners.ipynb
Please read the instructions carefully.

Question: Which of the following is the correct month of median observation date?

Select one:

a.
January

b.
March

c.
April

d.
May

Your answer is correct.

Question 2

Correct

Mark 1.00 out of 1.00

Create a subset of your data, only taking observations which was **last updated** on **2020-06-13 03:33:14** and name this dataframe as updated_data. Select the correct statement about this dataframe i.e. **updated_data**?

Select one or more:

- [x] a. There are 729 observations / records ✔
- [x] b. There are 190 unique country's records available in the dataframe ✔
- [ ] c. There are 223 unique country's records available in the dataframe.
- [ ] d. This dataset doesn't have any missing values.

Your answer is correct.

Question 3

Correct

Mark 1.00 out of 1.00

Create a subset of data from the dataframe **updated_data**, only taking the top 10 countries which have the maximum number of confirmed cases with features - **'Country/Region', 'Confirmed', 'Deaths' and 'Recovered'**. Name this dataframe as 'top_10'. Which of the following countries are not present in the dataframe 'top_10'.

Select one or more:

- a. Germany
- b. Iran ✔
- c. India
- d. Spain
- e. Peru
- f. Chile ✔
- g. Mexico ✔
- h. Pakistan ✔
- i. USA
- j. UK

Your answer is correct.

Question **4**

Correct

Mark 1.00 out of 1.00

Which country has the lowest number of confirmed cases among the ten countries in top_10 dataframe?

Select one:

- a. Germany ✔
- b. France
- c. India
- d. UK

Your answer is correct.

Question 5

Correct

Mark 1.00 out of 1.00

Add two columns in top_10 dataframe - 'Recovered_percentage' and 'Deaths_percentage' where,

'Recovered_percentage' = (Recovered cases / Confirmed cases) * 100

'Death_percentage' = (Deaths cases / Confirmed cases) * 100

Among these 10 countries which country has the highest recovery percent?

Select one:

- a. India
- b. Italy
- c. Spain
- d. Germany ✔

Your answer is correct.

Question 6

Incorrect

Mark 0.00 out of 1.00

Among the ten countries in top_10 dataframe, which country has the lowest death percentage?

Select one:

- a. India
- b. UK
- c. Germany ✖
- d. Russia
- e. USA

Your answer is incorrect.

Question 7

Correct

Mark 1.00 out of 1.00

Create a subset of data from the initially loaded data i.e. the datafram **'data'**, which should include the day wise observations of country 'Germany' only with features - **'ObservationDate', 'Confirmed', 'Recovered', 'Deaths'**. Name this dataframe as 'Germany_data'. From the dataset 'Germany_data', what does it look like? [Note: Here you need graphs to visualize]

Select one:

a.
The rate of confirmed cases and the rate of recovered cases are going parallel to each other.

b.
The rate of recovered cases is more than the rate of confirmed cases.

Your answer is correct.

Question 8

Correct

Mark 1.00 out of 1.00

Take the help of the dataframe 'updated_data' to get the total confirmed, recovered and deaths cases worldwide. Choose the correct option

Select one or more:

- a.
  Confirmed cases worldwide is 7632802. ✔
- b.
  Recovered cases worldwide is 3613277. ✔
- c.
  Total number of deaths worldwide is 425394. ✔

Your answer is correct.

Question 9

Correct

Mark 1.00 out of 1.00

Get the data of USA from the dataframe 'updated_data', group the data state/province wise. Which of the following information is correct about Province/State of USA?

Select one or more:

- [x] a. New York has the highest number of confirmed cases. ✔
- [x] b. Massachusetts has the 5th highest number of confirmed cases. ✔

Your answer is correct.

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