| Tasks | Criteria Description |
|---|---|
| **Task 1** | **Introduction has been added to the beginning of this task to describe what is this task about and what are the goals that yu are going to achieve by completing this task. Also for each below componets, I expect that you are providing comments to make your code readable by others** |
| Task 1 | Files Loaded successfully |
| Task 1 | Dataframes are in tidy format |
| Task 1 | Column names has been changed |
| Task 1 | All date variables are in proper format |
| Task 1 | All data has been merged in the master dataframe |
| Task 1 | All NAs has been set to zero |
| Task 1 | Date has been parsed into month and week |
| Task 1 | 4 variables have been added ("CumCases" "CumDeaths" "CumRecovered" "CumTests"). |
| Task 1 | 2 variables have been added ("Active" "FatalityRate"). |
| Task 1 | 4 variables have been added ("Cases_1M_Pop" "Deaths_1M_Pop" "Recovered_1M_Pop" "Tests_1M_Pop"). |
| **Task 2** | **Introduction has been added to the beginning of this task to describe what is this task about and what are the goals that yu are going to achieve by completing this task. Also for each below componets, I expect that you are providing comments to make your code readable by others** |
| Task 2 | The date and the death toll of the highest reported day across the world. |
| Task 2 | The graph of the cumulative data of (Infected Cases Deaths Recovered Tests) is generated. |
| Task 2 | "lastDay_data" dataframe has been generated. |
| Task 2 | Top 10 countries worldwide with current active cases has been extracted. |
| Task 2 | Continents statistics have been generated. |
| Task 2 | The graph for the top 10 countries with cumulative cases has been generated. |
| Task 2 | Facet graph for the top 10 countries has been generated. |
| Task 2 | The graph for the top 10 countries with total tests per one million of the population has been generated. |
| Task 2 | The graph of continents statistics has been generated. |
| Task 2 | The top 2-countries of each continent are reported with the highest death toll for each. |
| **Task 3** | **Introduction has been added to the beginning of this task to describe what is this task about and what are the goals that yu are going to achieve by completing this task. Also for each below componets, I expect that you are providing comments to make your code readable by others** |
| Task 3 | A dataframe for correlation data has been extracted. |
| Task 3 | Correlation matrix between all variables is generated and visualized. |
| Task 3 | A graph for cumulative cases distribution with and without changing x-axis scale is generated. |
| Task 3 | Data has been divided into training and testing data. |
| Task 3 | A linear regression model between GDP and cumulative cases has been generated and evaluated. |
| Task 3 | A linear regression model between all variables and cumulative cases has been generated and evaluated. |
| Task 3 | Interpretation report highlights differences and uses for each above models |
| Task 4 | **Introduction has been added to the beginning of this task to describe what is this task about and what are the goals that yu are going to achieve by completing this task. Also for each below componets, I expect that you are providing comments to make your code readable by others** |
| Task 4 | Objectives articulate what dashboard will deliver as insight |
| Task 4 | Data sources identified that augment existing data |
| Task 4 | Good explanation of figures and tables to be shown on dashboard |
| Task 4 | Strategy for analysis explained |