A1 Marking Rubric
SM1 2021 COMP20008

Part A Task 1.1

1.1 Aggregation (2 marks)

- 2 marks: an accurate data frame.
- -1 mark: summarise outside of 2020 boundary.
- -0.5 mark per incorrect attribute summary.
- 0 mark: 3 or more variables are incorrectly summarised or not attempted.

Part A Task 1.2

1.2

Add a new variable

(1 mark)

- 1 mark: correct output as specified
- -0.5: order of the output are incorrect.
- 0 mark: not attempted, incorrect values for the new variable

Part A Task 1 – Overall

Task 1 Overall

- Mark awarded as the break down above. Output valid csv , and to standard output.
- **0 mark for Task 1**: Missing either csv or standard output. Or the command 'python parta1.py owid-covid-data-2020-monthly.csv' generates errors or no output.

Part A Task 2.1

Task 2.1

Confirmed cases in linear scale

(1 mark)

- 1 mark: an accurate plot. with appropriate title, axis labels, ticks, and tick labels.
- -0.5 mark: correct variables used but not plotted along the specified axis.
- 0 mark: incorrect variable pairs used or incorrect plot produced.

Task 2.2

Confirmed cases in log scale

(1 mark)

- 1 mark: an accurate plot, with appropriate title, axis labels, ticks, and tick labels.
- -0.5 mark: correct variables used but not plotted along the specified axis.
- 0 mark: incorrect variable pairs used, incorrect scales used, or incorrect plot produced.

Part A Task 2 – Overall

Task 2 Overall

- Mark awarded as the break down above.
- -0.5 mark: some issues with either of the plots, e.g. title, labels, etc.
- **0 mark for Task 2**: Missing scatter-a.png or scatter-a.png files from the output. Or Or the command 'python parta2.py scatter-a.png scatter-b.png' generates errors or no output.

Part A Task 3.1

Task 3.1

preprocessing reporting

(1.5 marks)

- 1.5 marks: excellent, clear and succinct explanations to the pre-processing. Good insights to limitations of the data.
- 1 mark: good explanations to the pre-processing steps and reasonable limitations included and or expressions are at times ambiguous.
- 0.5 mark: some obvious omissions of some pre-processing steps, data source, and limitations of the data.
- 0 mark: no explanations or explanations are incoherent, and difficult to understand.

Part A Task 3.2

Task 3.2 visual analysis (1.5 marks)

- 1.5 marks: plots included and excellent, clear, and succinct explanations of the plots and patterns.
- 1 mark: good explanations of the plots and reasonable patterns described but may omit some clear patterns or explanations less clear and at times ambiguous.
- 0.5 mark: reasonable descriptions of the plots and the patterns but may contain some incorrect interpretations or missing key components.
- 0 mark: no explanations or explanations are incoherent, and difficult to understand

Part A Task 3.3

Task 3.3

Contrasting discussion (1 mark)

- 1 mark: clear, concise, and meaningful discussions.
- 0.5 mark: the discussion make sense but may be vague, contain irrelevant information, or miss key differences between the two scatter plots.
- 0 mark: no discussions or discussions are incoherent, and difficult to understand

Part A Task 3 – Overall

Task 3 Overall

- Mark awarded as the break down above.
- -1 mark: two plots are not included in the report.

Part B Task 1

Regular Expressions (1 mark)

- 1 mark: All of the document IDs are correctly identified and the file formatted correctly
- 0.5 marks: More than 75% of document IDs are correctly identified or there are issues with the file format
- 0 marks: The output is missing or completely incorrect

Part B Task 2

Preprocessing (1 mark)

- 1 mark: Both case folding and non-alphabetic character removal are performed correctly
- 0.5 marks: One of case folding or non-alphabetic character removal is performed correctly
- 0 marks: The output is missing or neither case folding nor character removal is performed correctly

Part B Task 3

Basic Search (2 marks)

- 2 marks: The output passes all of the provided test cases
- 1 mark: The output passes at least half of the provided test cases
- 0 marks: The output is missing or fails all of the provided test cases

Part B Task 4

Advanced Search
(2 marks)

- 2 marks: The output passes all of the provided test cases
- 1 mark: The output passes at least half of the provided test cases
- 0 marks: The output is missing or fails all of the provided test cases

Part B Task 5

Search Rankings (3 marks)

- 3 marks: The output passes all of the provided test cases
- 2 mark: The output passes two of the provided test cases
- 1 mark: The output passes one of the provided test cases
- 0 marks: The output is missing or fails all of the provided test cases

Part C

Git (2 marks)

- 2 marks: All necessary files have been pushed to the remote git repository, with a sensible readme file and commit comments
- 1 mark: All necessary files have been pushed to the remote git repository
- 0 marks: The git repository does not contain the correct version of all necessary files