SOC6707 Assignment 1 Rubric

Note:

* -10pts if they are missing pdf.
* -5pts if they are missing Rmd
* -10pts per day if handed in late

**Question 1 (30pts)**

1. 12pts total, 3pts per part

|  |  |  |  |
| --- | --- | --- | --- |
|  | Poor | Okay | Good |
| Answer (1pt per part) | Incorrect | Almost correct | Correct |
| Code (1pts per part) | Incorrect, poorly documented | Correct but poorly documented/hard to read | Correct and well-documented |
| Explanation (1pt per part) | Missing | Some explanation but hard to understand/misses the point | Well-summarized commentary |

1. 8pts

|  |  |  |  |
| --- | --- | --- | --- |
|  | Poor | Okay | Good |
| Type of graph / variable plotted (2pts) | Incorrect, missing category plotted | Almost correct | Correct |
| Graph presentation (2pt) | Labels, etc don’t make sense, no title, no legend, colors hard to read, etc | Some things are okay, others not | Correctly labeled, good title, easy to read |
| Code (2pts) | Incorrect, poorly documented | Correct but poorly documented/hard to read | Correct and well-documented |
| Interpretation (2pts) | Missing or incorrect | Some explanation but hard to understand/misses the point | Well-summarized commentary |

1. 10pts

|  |  |  |  |
| --- | --- | --- | --- |
|  | Poor | Okay | Good |
| Answers (3pts) | Mostly incorrect | Mostly correct | All correct |
| Code (2pts) | Incorrect, poorly documented | Correct but poorly documented/hard to read | Correct and well-documented |
| Graph (3pts) | Wrong chart type, wrong axes, poorly presented | Some things are okay, others not | Correct quantities plotted, correctly labeled, good title, easy to read |
| Interpretation (2pts) | Missing or incorrect | Some explanation but hard to understand/misses the point | A good answer should realize that the relationship is not linear even though we may have concluded that from the correlation |

**Question 2 (20pts)**

6 pts per graph, 6pts for discussion, 2pts for code

|  |  |  |  |
| --- | --- | --- | --- |
|  | Poor | Okay | Good |
| Suitability of graphs (4pts per graph) | Incorrect type, e.g. using a line when it should be a scatter. Fails to show either trend over time OR relationship between the two variables (should show both) | Almost correct | Correct, graphs are well conceived. I am expecting: scatter plots to show relationship, line graphs to show the trends, but histograms/boxplots might also be okay |
| Graph presentation (2pts per graph) | Labels, etc don’t make sense, no title, no legend, colors hard to read, etc | Some things are okay, others not | Correctly labeled, good title, easy to read |
| Interpretation (6pts) | Missing or incorrect | Some explanation but hard to understand/misses the point | Well-summarized commentary, describes key characteristics of each graph and correctly describes levels, trends over time and the relationship between the two variables |
| Code (2pts) | Incorrect, poorly documented | Correct but poorly documented/hard to read | Correct and well-documented |

**Question 3 (50pts)**

1. – b) 7pts each

|  |  |  |  |
| --- | --- | --- | --- |
| Code (2pts) | Incorrect, poorly documented | Correct but poorly documented/hard to read | Correct and well-documented |
| Graph (3pts) | Wrong chart type, wrong axes, poorly presented | Some things are okay, others not | Correct quantities plotted, correctly labeled, good title, easy to read |
| Interpretation (2pts) | Missing or incorrect | Some explanation but hard to understand/misses the point | Well-summarized commentary, picking up main patterns |

c) 5pts

|  |  |  |  |
| --- | --- | --- | --- |
| Code (2pts) | Incorrect, poorly documented | Correct but poorly documented/hard to read | Correct and well-documented |
| Interpretation (3pts) | Missing or incorrect | Some explanation but hard to understand/misses the point | Correct interpretation |

1. 5 pts each

|  |  |  |  |
| --- | --- | --- | --- |
| Code (2pts) | Incorrect, poorly documented | Correct but poorly documented/hard to read | Correct and well-documented |
| Interpretation (3pts) | Missing or incorrect | Some explanation but hard to understand/misses the point | Correct interpretation |

1. 12 points

|  |  |  |  |
| --- | --- | --- | --- |
| Code (2pts) | Incorrect, poorly documented | Correct but poorly documented/hard to read | Correct and well-documented |
| Interpretation (10pts) | Missing or incorrect | Some explanation but hard to understand/misses the point | Correct interpretation |

1. 9pts

|  |  |  |  |
| --- | --- | --- | --- |
| Code (3pts) | Incorrect, poorly documented | Correct but poorly documented/hard to read | Correct and well-documented |
| Interpretation (6pts) | Missing or incorrect | Some explanation but hard to understand/misses the point | Correct interpretation: correlation is close to zero which is what we want/expect i.e. there is no residual unexplained patterns |

**Research question**

**10pts total (but can enter grade as a %)**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Poor | Okay | Good |
| Clarity | Too vague, not clear what they’re asking | Not entirely clear or operationalized | Clear research question and sub-questions, clearly operationalizes as variables that are contained in dataset |
| Suitability, choice of variables and dataset | Can’t be answered using dataset, chose the wrong variables, etc | Some variables okay, some not | Suitable to be answered with dataset and variables chosen |
| Is it sensible / interesting? | Not at all sensible or interesting | Average | Interesting and well-described as interesting in the discussion |
| Complexity | Only considering a univariate pattern | Only considering a bivariate relationship | Considers the potential effect of other variables above and beyond the main relationship of interest |
| Discussion | Poor, hard to understand, too short, not enough detail | Average | Well discussed and hypothesized, clearly presented |