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| --- | --- | --- | --- | --- | --- |
|  | **Excellent** | **Good** | **Needs work** | **Points** | **Comments** |
| **Formatting**  3 points | 3 | 2 | 1 |  |  |
| * Followed all formatting guidelines. | * Failed to follow one formatting guideline. | * Failed to follow multiple formatting guidelines. |  |  |
| **Research**  **question**  10 points | 10, 9 | 8, 7, 6 | 5, 4, 3 |  |  |
| * Research question is clear, focused, concise, complex, and arguable. | * Research question is reasonably clear and focused, but may be too simple, too complex, or too verbose. | * Research question is unclear and lacks focus. * Research question is far too simple or overly complex. |  |  |
| **Data**  **sources**  10 points | 10, 9 | 8, 7, 6 | 5, 4, 3 |  |  |
| * Data sources or plausible data sources are clearly described. * Validity of and concerns about data is discussed. | * Identified data sources or plausible data sources are not clearly described. * Validity of and concerns about data are minimally discussed. | * Data sources are poorly described or missing. * Description of validity of and concerns about data are poor or missing. |  |  |
| **Evaluation of expectations**  10 points | 10, 9 | 8, 7, 6 | 5, 4, 3 |  |  |
| * Clear discussion of whether or not proposal expectations about variables and relationships were met. * Evidence from the data provided to support discussion. | * Description of only one expected variable, relationship, or chart. * Minimal description of two expected variables, relationships, or charts. * Minimal evidence provided to support discussion | * Poor or missing descriptions of variables, relationships, or charts. * Poor or missing description between variables and research question. * Poor or missing evidence to support discussion. |  |  |
| **Preliminary charts**  20 points  (10 each) | 10, 9 | 8, 7, 6 | 5, 4, 3 | Viz 1: |  |
| * Charts expertly demonstrate the best practices of visual design and convey a clear message. * Charts are functionally accurate and are generally easy to understand. * Charts are informative towards research question. | * Charts generally demonstrate best practices of visual design. * Although accurate, there are some elements that may be confusing. * Charts are only mildly informative towards research question | * Charts generally lack best practices of visual design. * Elements are confusing. * Charts are not informative for or unrelated to research question. | Viz 2: |  |
| **Technical**  **things**  10points | 10, 9 | 8, 7, 6 | 5, 4, 3 |  |  |
| * All code runs without errors. * All code and data are included in the submitted .zip file. * Analysis is fully reproducible (i.e. .Rmd file compiles). | * Code has only one or two errors. * All code and data are included in the submitted .zip file. | * Code has multiple errors. * Submitted .zip file is missing key components to be able to reproduce the analysis. |  |  |
|  |  |  | ***Total* :** |  |  |