

### Assessment Rubric for Data Portfolio

**Student:**

**Project title:**

**Grader:**

#### Basic Requirements

1. Poster (70%)
  - a. A0 format following the provided template
  - b. Background, Methods, Results, Discussion sections
  - c. 1-2 figures highlighting the main results
  - d. 1-2 tables (descriptive statistics and/or results)
2. R script (30%)
  - a. Clear documentation and comments
  - b. At least one analysis per unit (weeks 1-5)
  - c. Full analyses including assumption testing for main results presented in poster

#### Content Rubric

Score	1	2	3	4	5	6	7	8	9	10
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#### **POSTER**

Assessment Criteria	Insufficient	Poor	Sufficient	Good	Excellent
Overall appearance and formatting (5%)	Messy, disorganized		Clear formatting but missing some elements or structure		Scientific and professional
Score & comments					

<b>Score</b>	1	2	3	4	5	6	7	8	9	10
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<b>Assessment Criteria</b>	<b>Insufficient</b>	<b>Poor</b>	<b>Sufficient</b>	<b>Good</b>	<b>Excellent</b>
Background (10 %)	Research question/hypotheses missing or incorrect. Rationale for the study not discussed.	Crucial aspects of the rationale or research question are missing. Writing unclear or overly wordy.	Most aspects of the scientific background, research question, and hypotheses are included. Clarity is sufficient but could be improved.	Clear presentation of the research question and study rationale. Some minor errors, or too much detail in the description.	Background is concisely described and the study rationale flows logically from this. Research question and hypotheses are clearly laid out. No unimportant details or errors.
<b>Score &amp; comments</b>					
Methods (15%)	The study design is not discussed at all.	Important aspects of the methods (sample, measures, statistical analyses) are missing or have critical errors. Descriptive statistics not present.	Most of the important aspects of the study design are discussed, although some are missing/incorrect.	The most important aspects of the study design are discussed. Some minor errors or missing information.	Excellent and thorough descriptions of all aspects of the study design (data collection strategy, sample, measures, descriptive statistics for all variables, statistical analyses used)
<b>Score &amp; comments</b>					
Results (30%) <i>(including figures and tables)</i>	The statistics and results are not discussed. No figures/tables.	Some aspects of the statistics and results are reported, but important aspects have been left out or inappropriate methods applied. Figures/tables are poor or do not support the results.	Most of the important aspects of the statistics and results are reported, although some are missing or incorrect. Figures/tables are appropriate.	The most important aspects of the statistics and results are reported. Some minor errors or extraneous details. Figures/tables are clear.	Excellent and thorough presentation of the statistics and results. Figures/tables are concise and complementary to the results.

<b>Score</b>	1	2	3	4	5	6	7	8	9	10
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<b>Assessment Criteria</b>	<b>Insufficient</b>	<b>Poor</b>	<b>Sufficient</b>	<b>Good</b>	<b>Excellent</b>
<b>Score &amp; comments</b>					
Discussion (10%)	Findings are not summarized. Conclusions are wholly unsupported by the results. Relevance to the research question/hypotheses is not discussed.	Findings are not summarized well. Conclusions are somewhat unsupported by the results. Discussion of the research question/hypotheses is incomplete.	Findings are summarized and conclusions are mostly appropriate. Results are contextualized with respect to the research question/hypotheses, though with some missing information or incorrect inferences.	Findings are summarized well. Conclusions are well supported. Relevance to the research question/hypotheses is clear, with only minor errors or extraneous details.	Findings are concisely summarized and lead to a logical and convincing conclusion. The relevance of the results to the research question/hypotheses is accurate and clear.
<b>Score &amp; comments</b>					

### **R SCRIPT**

<b>Assessment Criteria</b>	<b>Insufficient</b>	<b>Poor</b>	<b>Sufficient</b>	<b>Good</b>	<b>Excellent</b>
Comments & documentation (5%)	Messy, disorganized, difficult to follow		Clear structure but missing some necessary information		Immediately clear what all parts of the script are doing
<b>Score &amp; comments</b>					

<b>Score</b>	1	2	3	4	5	6	7	8	9	10
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<b>Assessment Criteria</b>	<b>Insufficient</b>	<b>Poor</b>	<b>Sufficient</b>	<b>Good</b>	<b>Excellent</b>
Breadth of analyses (10 %)	Few analyses conducted.	Some primary analyses conducted but many are missing or poorly executed.	Primary analyses from nearly all units conducted but a few are missing; or many have serious errors.	Primary analyses from all units are carried out but some aspects (e.g. assumption testing; data checking) missing or incorrectly executed.	Primary analyses from all units executed accurately and thoroughly, including all their components (assumption testing, visualization, etc.).
<b>Score &amp; comments</b>					
Main project analyses (15%)	Main analyses for the poster not carried out or extremely poorly.	Main analyses for the poster executed poorly or many elements missing (e.g. data checking, assumption testing).	Main analyses for the poster are sufficient, with some errors or incompleteness.	Main analyses for the poster are executed well, with only minor errors or missing elements.	Main analyses for the poster are executed extremely well, with all elements (data checking, assumption testing, visualizations).

	<b>Weight * points scored</b>
<b>POSTER</b>	0.70* =
<b>Overall appearance</b>	0.05* =
<b>Background</b>	0.10* =
<b>Methods</b>	0.15* =
<b>Results</b>	0.30* =
<b>Discussion</b>	0.10* =
<b>R SCRIPT</b>	0.30* =
<b>Documentation</b>	0.05* =
<b>Breadth of analyses</b>	0.10* =
<b>Main project analyses</b>	0.15* =
<b>Final Grade</b>	