Assignment Rubric

	Exceptional – A+	Good – A	Acceptable – B	Poor – C	Inadequate – D
Report					
Text*	5	4	3	2	1
	Concise analysis of the problem that presents important results, not all results. Multiple explanations are given for each result and their plausibility is critqued. Unexpected results are examined from multiple angles. Includes a short introduction for context and a short conclusion that provides a "big picture" synthesis of results. External sources are used to enrich the analysis.	Analysis explores the problem well and presents important results. At least one explanation is given for each result, and in most cases its plausibility is critqued. Unexpected results are examined. Includes a short introduction for context and a short conclusion that summarizes major results.	Analysis explores the problem inadequately or fails to filter out unimportant results. Explanations are given for some results, often without critquing their plausibility. Unexpected results are noted but not examined in more detail. Some context is given and some conclusions are drawn, but there is no formal introduction and conclusion.	Analysis is superficial and doesn't give insights about the problem. Dicussion is limited to describing results. No introductory or concluding remarks.	Analysis is incomplete, illogical, or severely disorganized.
Figures	5	4	3	2	1
	Figures are carefully designed to convey important details relevant to the analysis. Each is easy to understand without additional context and has good print quality.	Figures convey important details relevant to the analysis, but a few have minor problems such as missing labels, missing units, bad aspect ratio, or poor print quality.	Figures are relevant to the analysis, but many have minor problems.	Figures are poorly choosen and fail to support the analysis. Some are redundant, cluttered, or have other major problems.	Figures are irrelevant or have major design problems.
Source Code					
Organization	5	4	3	2	1
	Complex tasks are divided into smaller steps. Each function is concise and has a single, clear purpose. Repeated code and patterns are avoided. Special cases are short and well-documented.	Complex tasks are divided into smaller steps, but a few functions are lengthy or don't have a clear purpose. Repeated code is avoided. A few sections have minor problems such as lengthy special cases, deep nesting, or bad formatting.	An effort was made to divide complex tasks into smaller steps, but many functions are lengthy, don't have a clear purpose, or repeat computations. There are a few instances of repeated code, and many sections have minor problems.	Complex tasks are not broken into smaller steps. Functions are used inconsistently or not at all. A few sections have major problems such as repeated code or undocumented special cases.	Very hard to follow, with many major problems.
Reproducibility	5	4	3	2	1
	Code completes the assigned task and reproduces all results without modification. Variable names are descriptive. Code is well-documented and instructions for use are included.	Code completes the assigned task and reproduces all results with only minor modification, such as changing paths. Variable names are descriptive. A few sections have inconsistent or incomplete documentation.	Code completes most of the assigned task and reproduces most results with only minor modification. A few variable names are not descriptive, and many sections have inconsistent or incomplete documentation.	Code completes most of the assigned task and reproduces most results, but contains errors that require major modification to correct. Many variable names are not descriptive, and documentation is missing.	Code is inadequate for the assigned task and fails to reproduce most results.

* Adapted from H. Wickham's rubric at

  stat405.had.co.nz/homework/rubric.pdf