

# Mini-project 2 Grading Rubric

The second mini-project will be graded out of 100 points.

You will be graded based on how well you address each point in the rubric. Meeting these expectations and addressing each point clearly guarantees a 90%.

Notebooks needing improvement or demonstrating outstanding work in any of the criteria will be noted accordingly, and could shift your grade above/below 90%.

*Please note a few changes that were made compared to the mini-project 1 rubric:*

- You must include a collaboration statement to indicate how much you worked with your peers. This helps me understand your solution better when I am grading.*
- The use of markdown cells throughout your notebook is **expected** in order to explain your solution effectively.*
- "Presentation of code in context" was changed to "Coherence of overall solution" for clarity.*
- The first set of reflection prompts were replaced with a 10-point "Discussion of limitations" requirement -- this is prompted with more detail in the mini-project itself. The other reflections are still required.*

Criteria	Needs improvement	Expectations (meeting these guarantees 90%)	Outstanding work
Collaboration statement ( <b>5 points</b> )		Clearly state which peers you collaborated with, and describe the level of collaboration using the prompt provided.	
Use of programming tools and library functions ( <b>20 points</b> )		Code is written concisely with correct structure and syntax. Code includes clear comments and helpful variable names.	
Effective planning and problem-solving approaches ( <b>20 points</b> )		Narrative text and markdown cells are used to explain and justify how the solution is structured and how computational methods were used.	
Coherence of overall solution ( <b>15 points</b> )		The purpose of each piece of code is clearly stated and connected to the broader solution presented in the notebook.	
Clear and relevant visualizations ( <b>15 points</b> )		Clear, fully labeled visualizations are provided to demonstrate findings. They are also interpreted in connection with the rest of the solution.	
Discussion of limitations of findings ( <b>10 points</b> )		In response to the provided prompts, the findings are clearly stated and discussed with respect to their potential limitations.	
Discussion of resources used and challenges ( <b>15 points</b> )		Written reflection on the process of using outside resources and learning from challenges, including direct attributions to	

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		sources and a discussion of two specific challenges.	