CPCS-223 Project Scoring Rubric – Maximum Score 20* Student ID _____ Total Score _____

CLO 13: Apply empirical techniques to assess and report the performance of one or more algorithms.

To use: decide if student meets pass criteria (if not award 0, optionally circle reason), on pass decide next if 2 is deserved instead of 1

Criteria	1 Point Acceptable (PASS CRITERIA)	0 Points Fail	2 Points Strong	Score (0-2)
Technical 1. Follow study plan Section 2.6	☐ Most steps clearly identifiable, evidence of reading section	☐ Not clear if plan was followed or little evidence of reading section	☐ Clearly followed plan with strong evidence of section material study	
2. Purpose (goal)	☐ Wordy but mostly in line with problem requirements	☐ Generic, confused or no statement, or not in line with problem	☐ Concise, clearly stated to reflect specific problem requirements	
3. Choice of efficiency metric	☐ Correct choice with general or confused justification	☐ Incorrect choice or no justification	☐ Best choice for problem with clear justification	
4. Design and procedures	☐ Clear, representative inputs sampling leading to reliable data with some discussion of characteristics	☐ Unclear, bad, or inadequate sampling leading to questionable data, or no discussion of design	☐ Thoughtful sampling, clear discussion of characteristics, procedures, design choices and consequences for specific problem	
5. Discussion	☐ Adequate, mostly sound discussion of good data (required), or flawed data but identified and explained, or flaws in comparison with theory	☐ Confused, generic, very little or no discussion, or no comparison to theory, or bad data	☐ Clear, concise presentation of findings based on good data with insightful remarks and sound comparison to theory	
6. Conclusions	☐ Reasonable conclusions based on experiment results (even if bad student may recognize so)	☐ Missing, poor, or flawed conclusions, or not in line with results	☐ Clear summary of results and well justified final decisions	
Submission (double points) 7. Follow instructions	☐ 1-2 minor violations, some evidence of reading project assignment	☐ Too many violations, poor or no evidence of reading project assignment, or late submission(*)	☐ No violations of assignment rules and specifications (an easy 4 points)	
Report 8. Organization and clarity	☐ Organized report with understandable writing	☐ Poorly organized report, very poor or barely understandable writing	☐ Neat, organized report with clear writing and basic sentence structure	
9. Originality and effort	☐ Individual effort can be identified	☐ Little evidence of individual effort, or some identifiable copying	☐ Clearly distinct effort, even if weak, reflecting individual work	

*Scoring Guide • A:18-19, B:16-17, C:14-15, D:12-13, F:11 (min mark) • 20 Distinction • Late Submission Max: 16(B)