

## CPTS 315 Course Project Report Rubric

### • Description

Each criteria of the student's work will be assigned a point value by the Instructor and TAs. This five-point (discrete) scale is described in the rubric.

### • Rubric Detail

<i>Criteria</i>	<i>Levels of Achievement</i>				
	<b>F) Not attempted</b>	<b>D) Unsatisfactory</b>	<b>C) Needs Improvement</b>	<b>B) Capable</b>	<b>A) Exemplary</b>
<b><i>Statement of the data mining task and/or questions</i></b>	<b>0 Points</b> Statement is not present or is incomplete.	<b>5 Points</b> Statement is present, but is unclear or vague.	<b>10 Points</b> Statement lacks essential clarifying information.	<b>15 Points</b> Statement is clearly worded with enough detail and/or examples.	<b>25 Points</b> Statement is clearly worded with enough details, examples, and list of key challenges.
<b><i>Methodology/ Technical Approach</i></b>	<b>0 Points</b> Does not describe algorithmic approach.	<b>10 Points</b> Describes algorithmic approach, but lacks clarity.	<b>25 Points</b> Clearly describes algorithmic approach.	<b>35 Points</b> Clearly describes algorithmic approach and how challenges are addressed	<b>50 Points</b> Clearly describes algorithmic approach, how challenges are addressed, and provides algorithmic pseudo-code and/or illustration (figure or block diagram)
<b><i>Evaluation of the methodology</i></b>	<b>0 Points</b> Dataset used and challenges for using are not described.	<b>10 Points</b> Dataset used and challenges for using are described, but lack clarity. explained.	<b>25 Points</b> Dataset used and challenges for using are clearly described and explained.	<b>35 Points</b> Dataset used and challenges for using are clearly described and explained. Metrics employed are listed.	<b>50 Points</b> Dataset used and challenges for using are clearly described and explained. Metrics employed are listed and clearly justified from real-world perspective.

<b><i>Quality of the written report</i></b>	<b>0 Points</b> Presentation and formatting of text and images are not accurate or aesthetic. Introduction and Results/Discussion sections are incomplete.	<b>25 Points</b> Presentation and formatting of text and images are accurate and aesthetic. Introduction and Results/Discussion sections lack several elements.	<b>50 Points</b> Presentation and formatting of text and images are accurate and aesthetic. Introduction and Results/Discussion sections lack 1 or 2 elements.	<b>75 Points</b> Presentation and formatting of text and images are accurate and aesthetic. Introduction and Results/Discussion sections are complete, but lack some clarity.	<b>100 Points</b> Presentation and formatting of text and images are accurate and aesthetic. Introduction and Results/Discussion sections are complete and clear.
<b><i>Quality of the data mining code</i></b>	<b>0 Points</b> No source code, data, or script file is submitted.	<b>25 Points</b> Source code does not run or is missing the dataset.	<b>50 Points</b> Source code is inefficient, contains no comments, and has bad variable and function names.	<b>75 Points</b> Source code is relatively efficient, well commented, and has reasonable variable and function names.	<b>100 Points</b> Source code is efficient, applies appropriate object-oriented programming design principals, well commented, and has reasonable variable and function names