

University of Toronto
Department of Mechanical and Industrial Engineering
MIE368: Analytics in Action
(Fall 2020)

Final Report Rubric (out of 45)

	Insufficient	Satisfactory	Good	Excellent
Problem Setup (5)	Problem is inappropriate & poorly described.	Problem is somewhat appropriate, but not described clearly or well-motivated.	Problem is appropriate, understandable, and well-motivated.	Problem is interesting, described clearly, & convincingly well-motivated.
Data Collection & Exploratory Analysis (10)	Data is inappropriate for this problem or has not been appropriately cleaned.	Data has been somewhat transformed to be relevant for the problem. Exploratory analysis is superficial & not useful.	Data collection/transformation is appropriate. Exploratory analysis gives useful insights to the problem.	Data collection/transformation is perfect for the problem. Exploratory analysis reveals insights that are later used to produce better methods.
Methods & Implementation (10)	Methods are both infeasible & inappropriate. No validation, parameter tuning, or sensitivity analysis.	Methods are insufficient to answer the problem or incorrectly applied. Limited validation, parameter tuning, or sensitivity analysis.	Methods are appropriate for the problem & mostly correct. Models have had some validation, parameter tuning, and sensitivity analysis.	Methods are thought-out, ideal for the problem, & correct. Models are properly validated with parameter tuning & sensitivity analysis.
Insights (10)	No quantitative analysis and the model performs poorly. No high-level insights are drawn from the analysis.	Some quantitative analysis is given, or the model does not perform very well and weaknesses are not identified. High-level insights are not relevant.	Quantitative analysis is given. Model performs somewhat well relative to the task. Some weaknesses are explained. Analysis yields one interesting, high-level insight.	Quantitative analysis is given. Model performs very well relative to the task. Any weaknesses are explained. Analysis yields multiple interesting, high-level insights.
Summary (5)	The main question was not answered. No meaningful next steps are suggested.	Analysis & results suggest the main problem was partially answered. Some next steps are suggested.	Analysis & results conclude the main problem was appropriately answered. Relevant next steps suggested.	Analysis & results conclude the main problem was answered successfully. Interesting next steps given.
Presentation & Writing (5)	Writing is mostly unclear with major errors. Diagrams are non-existent or unclear. Does not follow formatting instructions.	Writing is at times unclear with multiple typos. Diagrams are not relevant or labelled. Does not follow most formatting instructions. Clear abuse of appendices.	Writing is mostly clear. Minor typos. Diagrams are relevant but sometimes unclear. Follows most formatting instructions. Appendices (if included) are somewhat necessary & relevant.	Writing is consistently clear & correct. Diagrams are relevant, labelled, and clear. Follows all formatting instructions. Appendices (if included) are necessary & relevant.