First Draft Self-Assessment

Based on the Exploration Rubric, the grading of your Final Drafts will be heavily dependent upon how well your paper achieves specific goals. These are grouped into five categories listed in the first column and are listed in the second column. The purpose of this activity is to give you the opportunity to make sure your first draft has effectively addressed each key item (of column two) and verify to me the ways in which you have accomplished these goals

**We will do this all together in class on Friday 2/12.**

Review each key item for each assessment category, and identify the relevant locations in your paper that demonstrate how you achieved those key items by writing with a color pen/or highlight on your paper. Include the Assessment Category letter and a supporting evidence phrase on each post it note. Some phrases may be used more than once or not at all. Examples of possible supporting evidence phrases are provided in the last column. You may use these, or, if any of these phrases does not describe your approach, you may modify the phrases.

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| Assessment Category | Key items for each assessment category |  | **Examples** of supporting evidence phrases throughout the paper. |
| A: Communication | * Aim * Rationale * Conclusion * Coherent, well organized, concise, and clear |  | “A: My aim is specific, concise and supported with rationale.”  “A: The communication is logically developed and easy to follow.”  “A: My conclusion is meaningful and supports the aim.”  Examples of modified phrases:  “A: My conclusion does not support the aim.”  “A: Communication lacks in coherence. “ |
| B: Mathematical Presentation | * Key term(s) defined * Good use of notation * Good use of mathematical representation * Multiple Representations (choose one or more from: formula, diagram, table, chart, graph, model) * Use of technology |  | “B: All key terms and variables are defined.”  ‘B: Precision and accuracy are justified (the units are included).”  “B: All mathematical notations and terms are used correctly.”  “B: Labeled diagrams and graphs properly and neatly.”  “B: Reasoning and justification are always provided.”  Examples of modified phrases:  “B: The variables are not defined.”  “B: Process is not always justified.” |
| C: Personal Engagement | * Why I chose this topic * Independent thinking * Creative thinking * Personal Interest * My own idea (Outstanding engagement) |  | “C: There are abundant evidences that the topic is meaningful to me.”  “C: The approach to the analysis on the topic is my own idea and creative.”  “C: It is clear that the results are applicable to what I was aiming for.”  Examples of modified phrases:  “C: Personal engagement lacks originality.”  “C: The analytical process seems text book like.” |
| D: Reflection | * Review of my process * Validation of the results * Analysis of my result * Evaluation of my work * Implication of the results * Limitation and Scope * Extension for next opportunity * Application of the results. * Application to other areas |  | “D: The results are reasonable and meaningful. “  "D: The results are validated as correct with supporting evidence."  “D: The results are supporting my aim.”  “D: The results are critically analyzed  ( included limitation, scope, extension for future study, and applicable areas).”  Examples of modified phrases:  “C: The results are inconsistent. “  “C: The application of results is limited.” |
| E: Use of Mathematics | * Relevant mathematics * Correct work * Appropriate level of math * Insightful knowledge * Good Understanding * Use of math is sophisticated * Use of math is rigorous * Use of math is sophisticated and rigorous |  | “E: Relevant mathematics is used.”  “E: Demonstration of correct work.”  “E: Use of Math commensurate with HL (sophisticated and/or rigorous).”  “E: Demonstration of good knowledge”  “E: Demonstration of good understanding of mathematical concepts.” By showing all work  "E: Demonstration of insightful understanding."  "E: Checked if the math is correct.”  Examples of modified phrases:  “E: I made an error in analytical process.”  “E: Failed to demonstrate understanding of the main concept.” |