

MATHEMATICAL EVIDENCE SUBMISSION \sim _____ POINTS

_____/ 15% Presentation of mathematical work to an external audience (aka me):

Quality of organization/clarity of presentation - use of formatting/chunks/etc, logical presentation of content

$F \text{ --- } D^- \text{ --- } D \text{ --- } D^+ \text{ --- } C^- \text{ --- } C \text{ --- } C^+ \text{ --- } B^- \text{ --- } B \text{ --- } B^+ \text{ --- } A^- \text{ --- } A \text{ --- } A^+$

Quality of commentary - purpose and conclusions for each chunk/subchunk of code is clearly expressed in a logical and concise manner, clear connection to research question (or the tangential nature of the chunk)

$F \text{ --- } D^- \text{ --- } D \text{ --- } D^+ \text{ --- } C^- \text{ --- } C \text{ --- } C^+ \text{ --- } B^- \text{ --- } B \text{ --- } B^+ \text{ --- } A^- \text{ --- } A \text{ --- } A^+$

_____/ 10% Met expectations for research journal - journal objectives are met, style is effective, frequency is complete (including date/times), entries are substantive (addressing relevant prompts; all prompts should be addressed, but not every day)

$F \text{ --- } D^- \text{ --- } D \text{ --- } D^+ \text{ --- } C^- \text{ --- } C \text{ --- } C^+ \text{ --- } B^- \text{ --- } B \text{ --- } B^+ \text{ --- } A^- \text{ --- } A \text{ --- } A^+$

_____/ 75% Met expectations for the mathematical components - mathematical work is comprehensive, compelling, and complete (made sufficient progress for the draft)

- Appropriate descriptive stats were presented (mean, prop, var, HT, CI, 1 pop, 2 pop, many pop)
- Sufficient and appropriate use of HT to understand what group characteristics cause different behaviors (includes a breadth of perspectives, includes means, proportions, variances; 1, 2, and many populations; paired sample)
- Appropriate use of regression to be able to forecast behaviors (appropriate dep/ind vars, meaningful interpretation)
- Sufficient and appropriate use of CI to describe “the truth” (for means, proportions, variance, regression coefficients)
- Neat, easy to read graphics that are intentionally designed to communicate effectively
- Sufficient stats that clearly address the research question(s) being posed (tangential results are acceptable, but should be noted)

$F \text{ --- } D^- \text{ --- } D \text{ --- } D^+ \text{ --- } C^- \text{ --- } C \text{ --- } C^+ \text{ --- } B^- \text{ --- } B \text{ --- } B^+ \text{ --- } A^- \text{ --- } A \text{ --- } A^+$

_____/ 0% Penalty: poor presentation, inappropriate usage of English, improper type-setting, lack of professionalism, failure to follow directions, disproportionate contribution to work, failure to respond appropriately to feedback from team members, etc.

_____ / _____ points

WRITTEN DRAFT ~ _____ POINTS

_____/ 20% Effective use of visuals and clear presentation of data for an external audience (aka management/decision maker)

F — D^- — D — D^+ — C^- — C — C^+ — B^- — B — B^+ — A^- — A — A^+

_____/ 40% Sufficient information (both technical and non-technical) was presented (descriptive and inferential results were clear and complete, stats presented addressed the research question(s) thoroughly, models were all well-defined, audience of various technical skill has all they need to understand the model and how it can be used)

F — D^- — D — D^+ — C^- — C — C^+ — B^- — B — B^+ — A^- — A — A^+

_____/ 40% Clear/compelling narrative that explains the research question(s) and justifies the validity of the answers based on the stats provided, easy to read and understand, all necessary information was presented and in the order needed to understand the argument, descriptives were presented and used to introduce inferentials effectively

F — D^- — D — D^+ — C^- — C — C^+ — B^- — B — B^+ — A^- — A — A^+

_____/ 0% Penalty: poor presentation, inappropriate usage of English, improper type-setting, lack of professionalism, failure to follow directions, disproportionate contribution to work, failure to respond appropriately to feedback from team members, etc.

The final draft rubric will contain all of the above, as well as include two additional pieces:

Y/N were appropriate revisions from rough draft feedback done, and

Y/N were sufficient revisions of the written document completed (you will be asked to estimate the number of times you revised the paper (you may include both rough draft and final draft revisions) - there is not a hard number I am looking for here, but I want to see that you put effort in critiquing your own work and improved your communication based on your own critique, as opposed to just responding to my own feedback).

_____ / _____ points

FINAL WRITTEN REPORT ~ _____ POINTS

_____/ 8% Revisions:

Sufficient revision based on feedback? NO _____ YES

Final draft should be notably improved based on the feedback you received on earlier submissions.

Sufficient number of personal revisions? _____ NO _____ YES

Evaluation is based on quality of the paper and effort invested in the revision process.

_____/ 16% Effective use of visuals and clear presentation of data for an external audience (aka management/decision maker)

F — D⁻ — D — D⁺ — C⁻ — C — C⁺ — B⁻ — B — B⁺ — A⁻ — A — A⁺

_____/ 38% Sufficient information (both technical and non-technical) was presented (descriptive and inferential results were clear and complete, stats presented addressed the research question(s) thoroughly, models were all well-defined, audience of various technical skill has all they need to understand the model and how it can be used)

F — D⁻ — D — D⁺ — C⁻ — C — C⁺ — B⁻ — B — B⁺ — A⁻ — A — A⁺

_____/ 38% Clear/compelling narrative that explains the research question(s) and justifies the validity of the answers based on the stats provided, easy to read and understand, all necessary information was presented and in the order needed to understand the argument, descriptives were presented and used to introduce inferentials effectively

F — D⁻ — D — D⁺ — C⁻ — C — C⁺ — B⁻ — B — B⁺ — A⁻ — A — A⁺

_____/ 0% Penalty: poor presentation, inappropriate usage of English, improper type-setting, lack of professionalism, failure to follow directions, disproportionate contribution to work, failure to respond appropriately to feedback from team members, etc.

_____ / _____ points