

STA 440 Slide Deck Rubric

Grading (10pts Total):

- (4 points) The slide deck as a whole provides a coherent, well organized narrative framework describing the expected content (see below).
- (2 points) Text is clear, concise and the font is readable from a distance. Bullet points are preferred to run-on text. Sentence fragments are OK if understandable.
- (1 point) The slides make consistent but judicious use of notation. Connections between the notation provided and the data should be especially clear.
- (2 points) Displayed equations, tables and figures must be readable from a distance and clearly annotated. To this end, font choice and orientation in labels, titles and plotting characters is critical, while multiple displays per slide should *typically* be avoided.
- (1 point) Slides are uncluttered and aesthetically pleasing.

Expected Content and Approximate Slide Allocation:

- (1 slide) The background of the problem and the motivation and goals of the analysis.
- (2 slides) The data, including insights from the exploratory analysis that are relevant to the model-based analysis.
- (3 slides) The rationale for the model. The structure of the (sampling) model and its justification. Prior distributions and their hyper-parameters and the reasoning behind them if a Bayesian analysis is employed .
- (2 slides) Model implementation details. How was/were the model(s) fit (software package, programming language, etc)? Summary of any inference diagnostics (e.g. those related to convergence) and how they affect interpretation of the results.
- (1 slide) Model evaluation steps and reporting of appropriate goodness-of-fit metrics.
- (3 slides) The modeling results. Each analysis question, objective and/or goal is addressed. The description is clearly tied to the data and application area objectives; the results are correctly interpreted.
- (1 slide) Shortcomings of the analysis. Provide model criticisms, (future) directions for improvement.
- (1 slide) Overall conclusions. A few bullet points highlighting key points.