Student Names: _____

	Criteria	Comments	Grade
Problem Formulation	• Project goals are clearly stated, with relevant issues and challenges clearly identified • Project analysis, results, and conclusions fully address the above goals. Strengths and limitations of the analysis & data should be clearly presented. • Project importance and relevance clearly communicated, especially to a person not in the field.		/ 25
Data	• Data sources are clearly outlined & fully described. If needed, a clear procedure is given on how to get from raw data to usable data. • All variables clearly identified and described for the study. Any relevant features of these variables (e.g., data type, interpretation, etc.) should be fully discussed. • The conclusions obtained from the proposed data can fully address project goals. If not, potential limitations in the data should be discussed fully. • Project goals are addressed in a comprehensive and nuanced way. • Exploratory data analysis should support project goals and help guide specification of model.		/ 25
Modeling	• Thoughtful, nuanced, and logical specification of prior model from prior knowledge. • Thoughtful, nuanced, and logical specification of sampling model for data. • Model choices account for both the nature of the data as well as desired project goals. • Modeling approach clearly described and discussed (in equations and in writing) in the context of the problem. • Model goodness-of-fit checked via predictive diagnostics.		/ 25

Student Names: _____

	• MCMC convergence and mixing performance checked via diagnostics.		
Inference	• Conclusions & findings fully supported by statistical analysis and data. • Conclusions & findings fully address the study objectives in a thoughtful & nuanced way. • Posterior analyses are translated into meaningful and understandable findings for the target audience (e.g., scientists, engineers). • Any limitations of the modeling approach are discussed in the context of the problem.		/ 25
Presentation of Results	• Clear, concise, effective presentation of analysis results for the target audience. • Excellent and innovative use of graphics to facilitate communication of results. • All figures and tables have description captions, and should support key claims in the report. • Results are limited to important results and are clearly discussed and interpreted.		/ 25
Report Writing	• Logically organized and clearly formatted. • Writing has excellent flow and cohesion, and is a pleasure to read through. • Proper grammar, spelling, punctuation, professional writing, and syntax. • Clearly-identified key points and criteria for evaluating results.		/ 25
Total	*Other comments:*		/ 150