|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Response Bias Project** | **4 = Complete** | **3 = Substantial** | **2 = Developing** | **1 = Minimal** |
| **Intro** | * Describes the context of the research
* Has a clearly stated question of interest
* Provides a hypothesis about the answer to the question of interest
* Question of interest is of appropriate difficulty
 | * Introduces the context of the research and has a specific question of interest
* Suggests hypothesis OR has appropriate difficulty
 | * Introduces the context of the research and has a specific question of interest OR has question of interest and a hypothesis
 | * Briefly describes the context of the research
 |
| **Data Collection** | * Method of data collection is clearly described
* Includes appropriate randomization
* Describes efforts to reduce bias, variability, confounding
* Quantity of data collected is appropriate
 | * Method of data collection is clearly described
* Some effort is made to incorporate principles of good data collection
* Quantity of data is appropriate
 | * Method of data collection is described
* Some effort is made to incorporate principles of good data collection
 | * Some evidence of data collection
 |
| **Graphs and Summary Statistics** | * Raw data is included in a two-way table (categorical data) or in two lists (quantitative data)
* Appropriate graphs are included
* Graphs are neat, easy to compare and clearly labeled, including clear identification of treatments
* Appropriate summary statistics are included in discussion (e.g., percentages for categorical data, means for quantitative data)
 | * Appropriate graphs are included (to help answer the question of interest)
* Graphs are neat, clearly labeled, and easy to compare
* Appropriate summary statistics or raw data are included
 | * Graphs and summary statistics are included
 | * Graphs or summary statistics are included
 |
| **Conclusions** | * Uses the results of the study to correctly answer question of interest
* Discusses what inferences are appropriate based on study design
* Shows good evidence of critical reflection (discusses possible errors, shortcomings, limitations, alternate explanations, etc.)
 | * Makes a correct conclusion
* Discusses what inferences are appropriate or shows good evidence of critical reflection
 | * Makes a partially correct conclusion
* Shows some evidence of critical reflection
 | * Makes a conclusion
 |
| **Poster, Presentation, & Communi-cation** | * Has a clear, holistic understanding of the project
* Poster is well organized, neat and easy to read
* Poster included pictures of data collection in progress and is visually appealing
* Oral presentation is well organized
 | * Has a clear, holistic understanding of the project, but poster is unorganized, lacks pictures, isn’t visually appealing or oral presentation is not organized
 | * The poster and oral presentation have several problems
 | * Communication and organization are poor
 |