|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 |