

## PROJECT GRADING CHECKLIST

### 1. Question

Clearly and precisely stated?

Discussion (background, why interesting)?

### 2. Data collection.

Procedures clearly described?

Appropriateness discussed?

Appropriate? (random or close?)

Measures taken to minimize confounding?

Sample size appropriate?

Discussion?

Difficulties encountered?

Other relevant details of data collection:

#### a. If study involves asking questions:

Exact wording of questions?

Why this wording is best possible?

Details about how questions were asked ? (Orally? By giving a form to fill out? By telephone? By email? In person? More than one way? By whom?)

Justifications?

Measures to ensure confidentiality or anonymity?

#### b. If study involves an experiment:

Precise details of treatment(s)?

How subjects were assigned to groups?

Circumstances that might have influenced results?

Other details?. (e.g., where and when)

dc. If study involves human subjects:

Ethical guidelines satisfied?

3. Data presentation.

Graphs included as appropriate?

Type of graph appropriate?

4. Analysis

Discussion of why appropriate?

Model conditions satisfied?

Supporting plots and reasoning provided as appropriate?

Parameters defined clearly?

Hypotheses clearly stated and appropriate?

Confidence levels, alpha levels, etc. justified?

5. Conclusions

Clearly stated in the context of the problem?

Address the original question(s)?

Language appropriate?

Confounding variables or other problems and their possible consequences discussed and taken into account?

6. Writing

Organization?

Clarity?

Grammar, spelling and punctuation?

Quality of graphs, tables, and figures

Well-drawn?

Clearly labeled?

Well placed and/or referenced?