

Data Science Course: Inferential Statistics

Mini-Project : Hospital Readmissions

Learning Objective

- Learn to critique a preliminary analysis of real world data
- Learn to construct a statistically sound analysis to make recommendations.

| Criteria | Meets Expectations |
|---------------------------|---|
| Completion | <ul style="list-style-type: none">• The code runs successfully. |
| Process and understanding | <ul style="list-style-type: none">• The submission shows that the appropriate statistical tests were applied by the student.• The submission demonstrates an understanding of all the questions correctly, in detail, and the explanations demonstrate an understanding of the relevant methods. |
| Presentation | <ul style="list-style-type: none">• The project is delivered in a Jupyter notebook, uploaded to GitHub, and doesn't contain any unnecessary printouts. |

Excellence: Both the traditional (frequentist) and the "hacker stats" approaches are applied. The explanations and visualizations produced are above and beyond what is required.