# Project Rubric Breakdown

CPP 528 - Week 02

Spring 2020

Cristian E. Nuno

See complete project rubric here:
https://github.com/DS4PS/cpp-528-spr-2020/blob/master/project/project-rubric.pdf

# Outline

- Overview of course schedule
- Table of contents for the evaluation report
- Executive Summary
- Part I: Neighborhood Change
- Part II: Evaluation of Tax Credits
- Part III: Results and Conclusion
- Project point breakdown visualizations

# The project this semester in relationship to CRISP-DM phases

| Week | Project Step | CRISP-DM Phase(s) [click here for refresher] |
|---|---|---|
| 01 | Tax Incentives and Neighborhood Change | (1) Business Understanding |
| 02 | Developing Community Indices to Measure Change | (2) Data Understanding; (3) Data Preparation |
| 03 | Descriptive Analysis of Community Change | (2) Data Understanding; (4) Modeling |
| 04 | Predictive Analysis of Community Change | (4) Modeling |
| 05 | Federal Tax Credits as the Treatment | (2) Data Understanding; (3) Data Preparation |
| 06 | Regression Analysis | (4) Modeling; (5) Evaluation |
| 07 | Finalize Models and Report | (5) Evaluation; (6) Deployment |

# Table of contents for evaluation report (high level)

1. Executive summary (2 pages)
2. Part 1 - Neighborhood Change
3. Part 2 - Evaluation of Tax Credits
4. Part 3 - Results and Conclusion
5. About Us page

# Executive Summary (2 pages)

A. Overview / Research Question
B. Program Details
C. Data
D. Methods
E. Results

# Part I - Neighborhood Change

A. Metrics
   i. Data sources
   ii. Median Home Value
   iii. Neighborhood Health
   iv. Gentrification

B. Descriptive Analysis of Neighborhood Change
   i. Average change in MHV from 2000 to 2010
   ii. Average change in neighborhood metrics

C. Predicting Change Based on 2000 Neighborhood characteristics
   i. Neighborhood demographics
   ii. Neighborhood health metrics
   iii. Spatial characteristics (population density, adjacent tracts)

# Part II - Evaluation of Tax Credits

A. Overview of Programs
   i. New Market Tax Credits
   ii. Low Income Housing Tax Credits
   iii. Data sources

B. Descriptive Statistics
   i. Dollars given out
   ii. Characteristics of neighborhoods that received them
   iii. Characteristics of those that did not

C. Predictive Analysis
   i. Aggregate credits given between 2000 and 2010
   ii. Update models from 2-C adding tax credit amounts

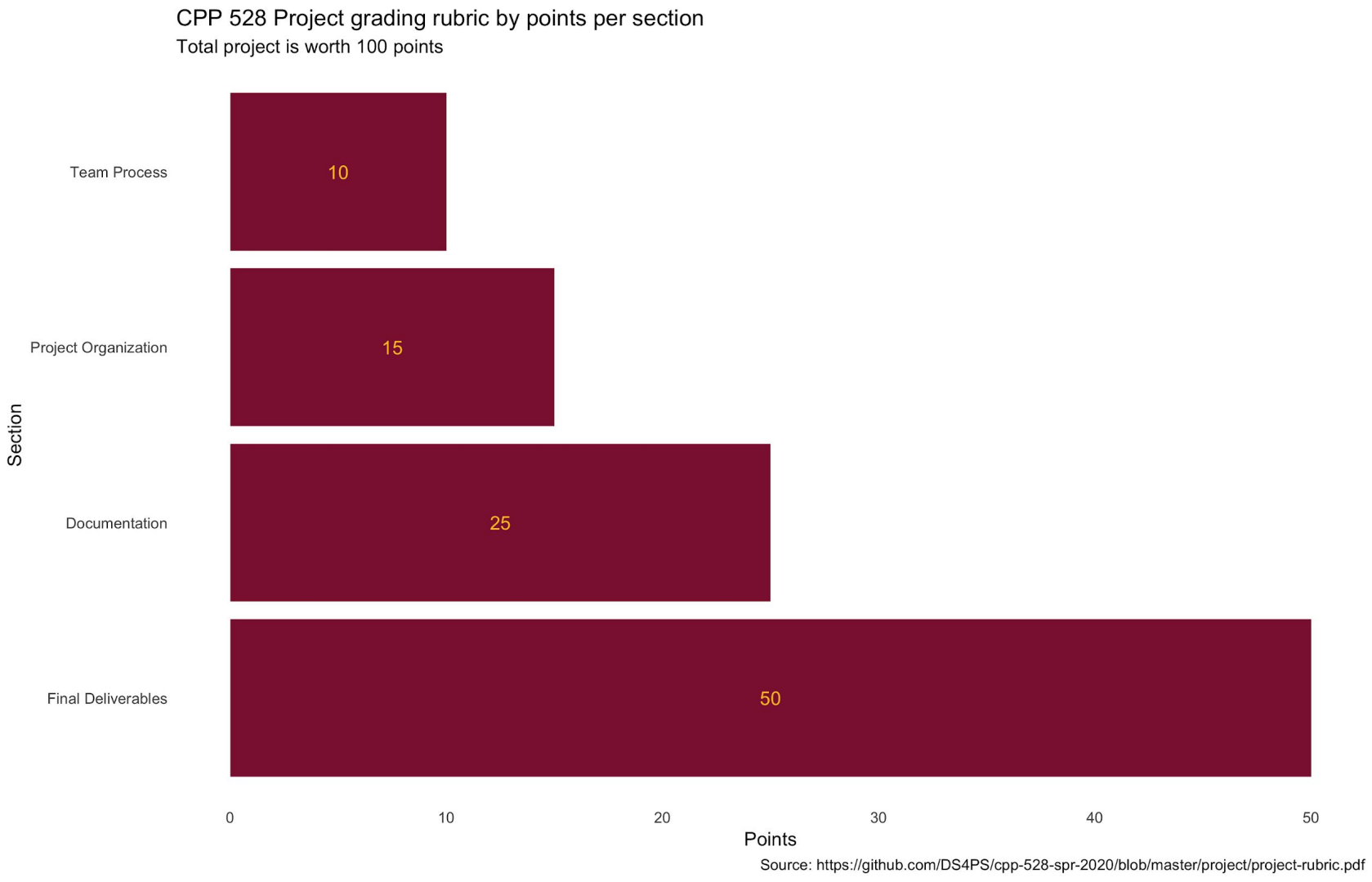
# Part III: Results and Conclusion (no more than 1 page)

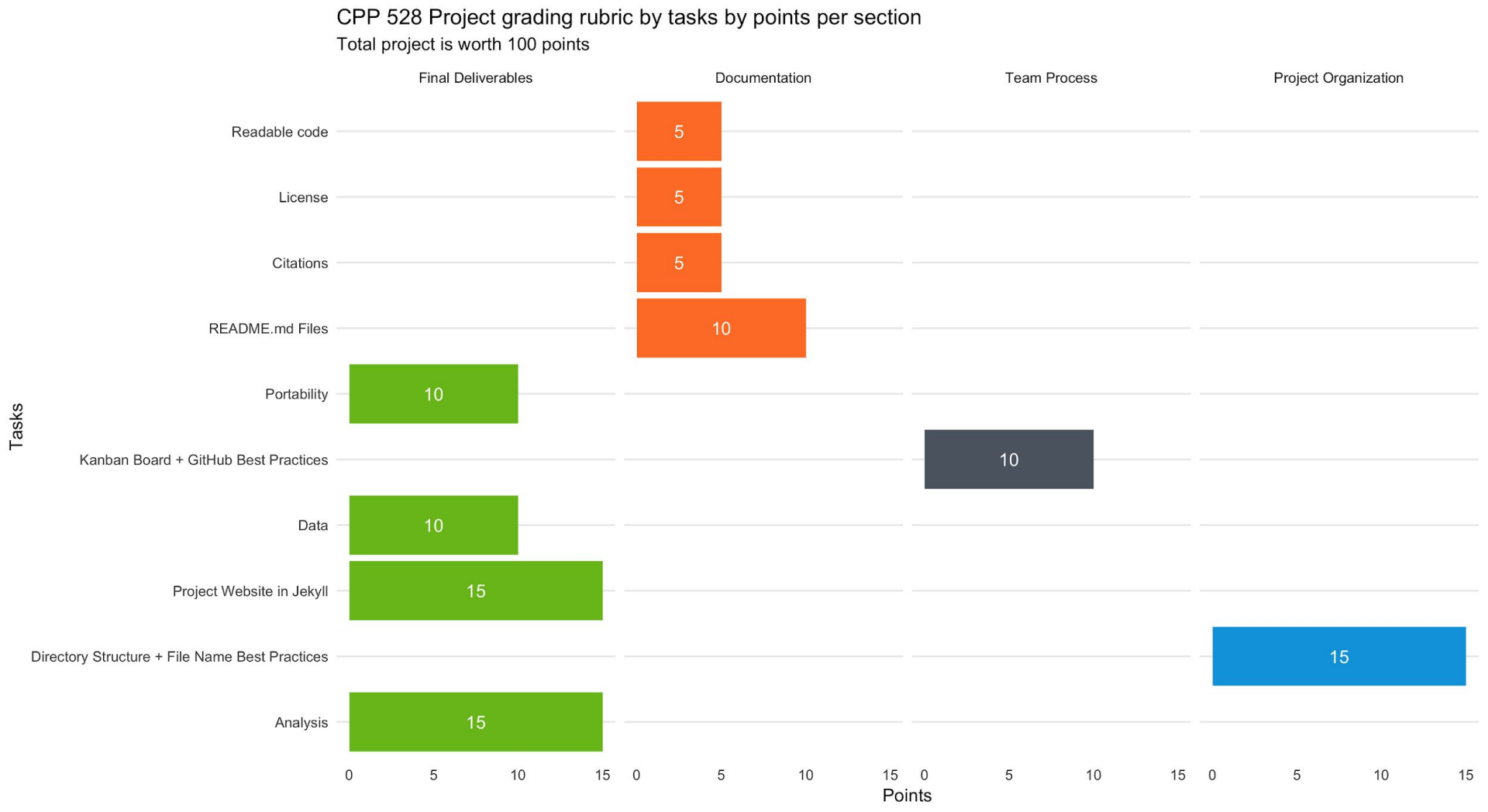
A. Results
   a. Brief summary of the results of your research
B. Conclusion
   a. Identify what next steps you would recommend to the federal government based on your rigorous assessment of program impact

# About Us page

Share 2-4 sentences about yourself!

A link to your ASU email address would be nice for folks interested in contacting you but; otherwise, they'll be able to make comments and issues directly on GitHub.


CPP 528 Project grading rubric by points per section
Total project is worth 100 points
Team Process
10
Project Organization
15
Documentation
25
Final Deliverables
50
Section
0
10
20
30
40
50
Points
Source: https://github.com/DS4PS/cpp-528-spr-2020/blob/master/project/project-rubric.pdf


CPP 528 Project grading rubric by tasks by points per section
Total project is worth 100 points
Final Deliverables
Documentation
Team Process
Project Organization
Readable code
License
Citations
README.md Files
Portability
Kanban Board + GitHub Best Practices
Data
Project Website in Jekyll
Directory Structure + File Name Best Practices
Analysis
5
5
5
10
10
10
10
15
15
Tasks
0
5
10
15
Points
Source: https://github.com/DS4PS/cpp-528-spr-2020/blob/master/project/project-rubric.pdf