Project Proposal (25 points total)

Proposal form, required parts are present (1 point each):

- Heading with authors and title
- Description of project goals
- Description of data
- Description of algorithm(s)
- Intended, satisficing, and reach outcomes

Proposal writing uses correct spelling and grammar (5 points)

- 2-3 errors allowed

Proposal data description includes (5 points):

- Source of data (1 point)
- Form of the data (2 points)
- Type and range of each data element (2 points)

Proposal algorithm description includes (5 points):

- Description of each algorithm to be implemented (2 points)
- Outline of how they will be implemented (3 points)

Proposal outcomes section includes (5 points):

- Description of preferred outcome (1 point)
- Description of satisficing outcome (2 points)
- Description of reach outcome (2 points)

Project Submission & Code (30 points total)

Files included (5 points):

- Report (2 points)
- Racket file (2 points)
- Data file(s) (1 point)

Algorithmic techniques used in project (15 points)

- Implemented algorithms of some kind (9 points)
- Algorithms are non-trivial (4 points)
- Algorithms use new techniques or combine techniques in a novel way (2 points)

Code readability (10 points)

- All procedures documented with 6Ps (4 points)
- Procedure, parameter, and variable names clear and meaningful (2 points)
- Code correctly formatted (2 points)
- Short comments explain purpose of complex expressions (2 points)

Final Report (25 points total)

Report includes (5 points):

- Heading with authors and title (1 point)
- Description of project goals (1 point)
- Description of data and algorithm(s) (1 point)
- Description of what analysis showed (1 point)
- Instructions for running code (1 point)

Report uses correct spelling and grammar (5 points)

- 2-3 errors allowed

Report data description includes (5 points):

- Source of data (1 point)
- Form of data (2 points)
- Type of each data element (1 point)
- Range of each data element (1 point)

Report algorithm description includes (5 points):

- Description of each algorithm (2 points)
- Overview of how each were implemented (3 points)

Report analysis includes (5 points):

- Complete description of what analysis showed (4 points)
- Addresses any objections or bias that may have affected results (1 point)

Presentation (10 points total)

Length (around 3-5 minutes) (1 point)
Well organized (1 point)
Includes overview of:

- Theme (1 point)
- Data sets (2 points)
- Goal (1 point)
- Analysis outcome (2 points)
- Algorithms implemented (2 points)

Total: ____/90