This project has a Google Site with tutorials, examples, problem definition, and other related resources and information.

1. Go to the project Google Site from this link https://sites.google.com/view/engr-160-machine-learning-proj/home

2. Read through each page. Note on comments/feedbacks, which will be a part of your final report.

3. Rewrite your own code to implement the four examples in MATLAB. Use one main script file only. You can have multiple functions called by this main program. In your main program, compare the results with different methods for the same problem. Submit your program in a single zip file.

4. Write a program (with functions) to solve the real-world application problem. Submit your program in a single zip file.

5. Submit a one page PDF file, documenting how the tasks were divided/shared between/among your team (if you are in a team). More specifically, what is each team member's responsibility and contribution.

6. Each student submit a final project report that includes the following three sections:

1) Housing Price Application

2) Other Real-World Application in your discipline

Research on recent machine learning applications in your (intended) major discipline. Give at least two specific examples, including

- The problem statement (inputs,outputs),
- References (of the original sources)

3) Conclusion

- Reflect on what you have learned from the project.
- Comment on your learning experience from this project compared to attending lectures, reading books, and any other learning activities in general.
- Any comments/feedbacks on the project and website.

6. Complete the online Machine Learning Project Post-Survey.

Grading Rubrics:

1. The two programs: 10 points
2. The final report: 10 points
3. Participation: 5 points
    a. Team working
    b. Survey
    c. Comments and feedbacks
    d. Group discussion: post questions and answers, upload audio/video, etc.
    e. Class discussion