

CS M148 Project Check-In 2

Due Date: October 18, 2024 at 11:59 P.M.

For this project check-in, please submit a Jupyter notebook that documents the following progress with text explanation and code:

1. For the data set you have chosen choose any response variable that is numeric (and not discrete) to model for regression. (This does not have to be directly related to the final goal of your project.)
2. Choose a single variable or variables to use as predictors. (You can try variable selection, but it is not necessary.)
3. Model your regression and calculate the evaluation metrics on your training and validation data sets.
4. Answer in your notebook if you see evidence of overfitting or underfitting.
5. Use one regularization technique and evaluate its performance.
6. Include code and explanation for the steps above in your notebook.

To receive full credit for this check-in, your team must do the following tasks:

1. Submit the notebook to Gradescope before the deadline
2. Show your progress to any TA during discussion. TAs will record the progress that you show them. It is only necessary for *2 team members* to be present for check-in although more are welcome also.