Wed 2nd sep: Created a functional script that used OLS in order to model Frankes function

Wed 9th sep: Refactored all code to exist in a class, started development of Boostrap, scaled data previously used, learned some about confidence interval

Wed 16th sep: Finished last of a), implemented confidence interval. Skipped the maths section of task b). Finished implementation of Bootstrap, fixed implementation of the sampling method, refactoring the project so that each task is a separate file, inheriting from earlier tasks by importing it. Also implemented plotOLS\_trainvtest

Wed 23rd sep: Skipped maths of part b) (again), did almost all of c), implemented a system to keep track of what has been done/needs to be done (the tasks themselves are *wayy* too fucking verbose). Made a 50-line kfold implementation that I think is *damned* neat

Wed 30th sep: Writing this after-the-fact (2nd oct), but think I wrote part D&E&F

Fri 2nd oct: Created design matrix generation for geographical data in the \_\_init\_\_, started definition of plotkfold\_trainvtest

Sat 3rd oct: Attempted maths of b), did not succeed, started implementing a function judging bias and variance as a function of complexity, but I think that is misreading the task, as noted in the comments of partB.py>biasVarianceAnalysis\_bootstrap. Changed mind again, I think I’m supposed to have multiple “bias-variance analyses”, one using basic testvtraining MSE’s and another using the definitions of bias and variance’

Sat 4th oct: DID MATHS!!! Implemented biasvariance analysis in b) after LOTS of pain, did some fuckery with plotting R2 and MSE as functions of lambda (expanded lambSpace via concatenate, made actual plotting)

Sun 5th oct: Code is starting to get really messy