Peer review sheet

MAFS6010Z, 2021 fall

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Group that you review:

	Confidence on your assessment (1-3)	Clarity and quality of writing (1-5)	Technical quality (1-5)	Overall rating (1-5)
Score	2	4.5	4	4

Summary:

The report showed more than 6 ML method that used to train the data. Also apply well-defined data processing before the model fitting part, from their report, i can easily understand what kind of tech they use and the reason why it is a reliable tech be used. Although the final result is quite different from the original essay, the result still make sense in some way. And i learn lot from their highly functional code, it give me a fresh thought due to some data cleaning and model training that i could use in the future.

Strengths(S)/Weaknesses(W):

One point is they individually store every recursion, including variables importance, r2 scores, model coefficient. Those concept helps them to verify how the model works and make a strong implementation.(S) The other point is because of their team work structure, each person is responsible for his own modeling and report. Their understanding of each model is quite powerful and pretty focus on every detail they use.(S) Even the total word length of the report is a little long, more than limit 8 pages.(W)

Clarity and writing:

The clarity and writing of report is excellent, but i think the plot is quite satisfy the requirement of this project. They even use a various component of the model such as RF ,GBRT,Elastic net etc. And they use some package which shown the whole model training process and final scores, given a better visual model. One more suggestion, they should include the plotting part by using plotting package in python. Those package is really useful and convenience.

Technical quality:

I find out that the team didn't put the macro parameter into the data set. And the way of filling NA terms, some makes sense but some not. Maybe they should check each col with NA carefully and use the way mentioned in original essay to fix this error. The code posted done well, but order to the

size of all the code, the comment is not quite enough. Others might take a hard time during reading though all the code.