

Instructions

1. This week is a buffer week to allow y'all to absorb the week 2 material. It has been seen that a lot of you are writing code but not understanding it and hence making conceptual errors. Hence, this week's aim is to give you time to understand the concepts. One thing to be noted is that we won't be able to give any more such buffer weeks as we have to follow a strict timeline. Therefore it is advisable to put in time and energy to fully understand the material.
2. This week, we have also decided to introduce y'all to hyperparameter tuning, k-fold cross validation and metric calculation. The resources for the same are provided to you.
3. Week 3 goals:
 - a. Get a better understanding of week2 algorithms
 - b. Apply hyperparameter tuning on models that you worked with in week 2
 - c. Apply k-fold cross validation on models that you worked with in week 2
 - d. On the classification model made on the titanic dataset, write functions that implement F1 score, recall, precision and accuracy from scratch.
4. This notebook will guide you through k-fold CV and hyperparameter tuning :
https://notebook.community/nslatysheva/data_science_blogging/model_optimization/optimization
5. Submit the modified week 2 notebooks with the above given instructions.
6. Deadline - 18th october 2021 - 11:59 pm