ENPM 808A FALL 2022

Final Project Evaluation Rubrics

Adherence to the machine learning pipeline	Code used for generating the predictor	Presentation slides	Final Report	Performance of the model on unseen data
20 points	*5 points*	*5 points*	*5 points*	*5 points*
• Data cleaning • Feature selection • Data splitting • Models used • Regularization • Hyperparameter selection • Validation • Training and validation curves Each of the above aspects earns a maximum of 2.5 points if clearly and concisely discussed in the report.	*5* – submitted code generates the results in the report, includes comments when necessary to explain the purpose of a block or step, contains all the pieces needed	*5* – summarizes the key things from the report, specifies the delivered model, all the models that have been considered in the project, reason for selecting the delivered model, learning curves, features, test error, visualization to help a knowledgeable audience understand the findings from the project	*5* – report explains what have been done at each step in the learning pipeline, professional and concise presentation, easy to read	*3 to 5* - metric(s) chosen for performance evaluation, evaluated performance of the delivered model on test set, estimate of out-of-sample error based on test set, depends on the performance of the model
	4 to 2.5 - submitted code generates the results in the report, includes comments when necessary to explain the purpose of a block or step, missing piece(s)	*4.5 to 1.5* – not presenting any two components mentioned in the row above deducts 0.5 points	*4.5* – report explains what have been done at each step in the learning pipeline, not concise, frequently deviating from the purpose of the project	*1.5 to 2* – performance metric is unclear, not providing estimate of out-of-sample error based on test set
	2 to 1 - submitted code fails to generate the result(s) in the report	*1.5* – slides submitted	*4.5 to 1* – missing steps in the learning pipeline (see first column on the left)	*1* – incorrectly using performance metric(s)
0 – no report submitted	*0* – no code submitted	*0* – no slides submitted	*0* – no report submitted	*0* – no evaluation on test set