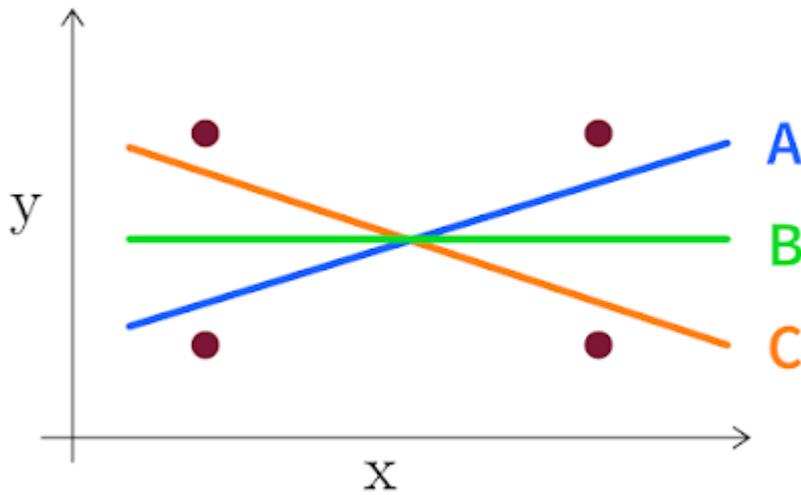


ML Review Quiz: Model Selection

* Required

1. Mean Absolute Error vs. Mean Squared Error *

2 points

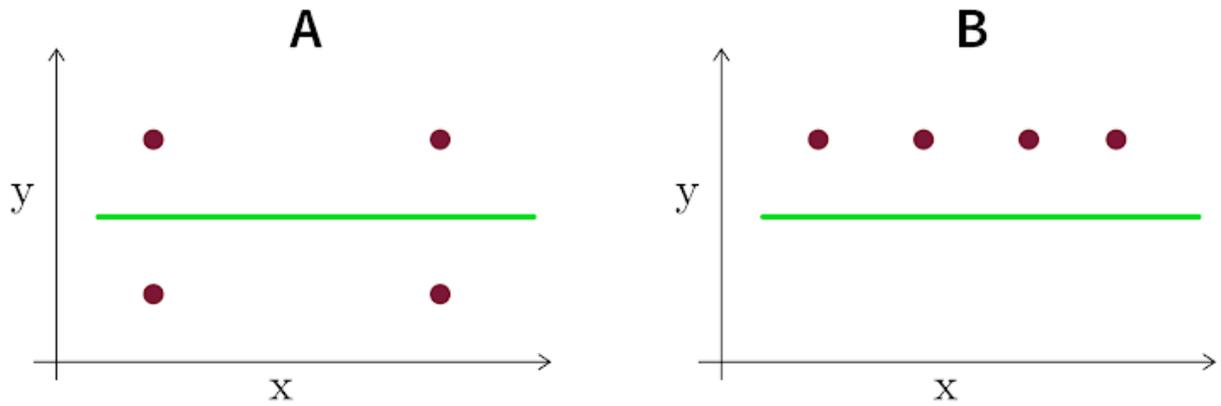


Mark only one oval per row.

	A	B	C	All equal
Which model has the lowest MAE?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Which model has the lowest MSE?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. Mean Squared Error vs. R^2 *

2 points



Mark only one oval per row.

	A	B	All equal
Which model has a lower MSE?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Which model has a higher R^2 ?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

3. Number of Grid Search Evaluations *

1 point

The model you're experimenting with has 3 hyperparameters for which you want to test different values. How many parameter combinations are tested in a grid search, if you try 4, 6, and 10 values respectively for the 3 hyperparameters?

4. Number of Grid Search with Cross-Validation Evaluations *

1 point

Same hyperparameter test as in the previous question: If you're using a grid search with a 5-fold cross-validation to determine the best parameters, how many times in total is your model trained?

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