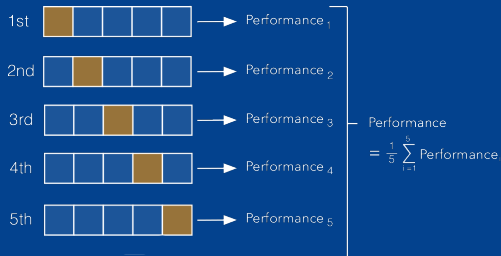




LESSON 3: End-to-end ML

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AUTUMN 2021



Agenda

End-to-end Machine Learning

1. Admin
 - ▶ O1 Feedback grupper?
2. Sidste del fra L02
 - ▶ Performance metrics (scores)
 - ▶ Opgave: [L02/performance_metrics.ipynb](#)
3. General repetition af § 2,
 - ▶ Opgave: [L03/supergruppe_diskussion.ipynb](#)
4. Algorithm and Model Selection,
 - ▶ model hyperparameters
 - ▶ **k-fold cross validation**,
 - ▶ ekstra materiale: [L03/Extra/k-fold_demo.ipynb](#)

Super-group Discussion

Present your oral resume for the [SG]

- i) Working with Real Data + Look at the..
 - ii) Select a Performance Measure
 - iii) Get the Data (excl. Create the Workspace)
 - vi) Create a Test Set
 - v) Discover and Visualize...
 - vi) Prepare the Data...
 - vii) Custom Transformers
-

- iix) Select and Train
- ix) Better Evaluation...
- x) Fine-Tune Your Model
- xi) Randomized Search
- xii) Ensemble Methods
- xiii) Launch, Monitor + Try It Out

CHAPTER 2

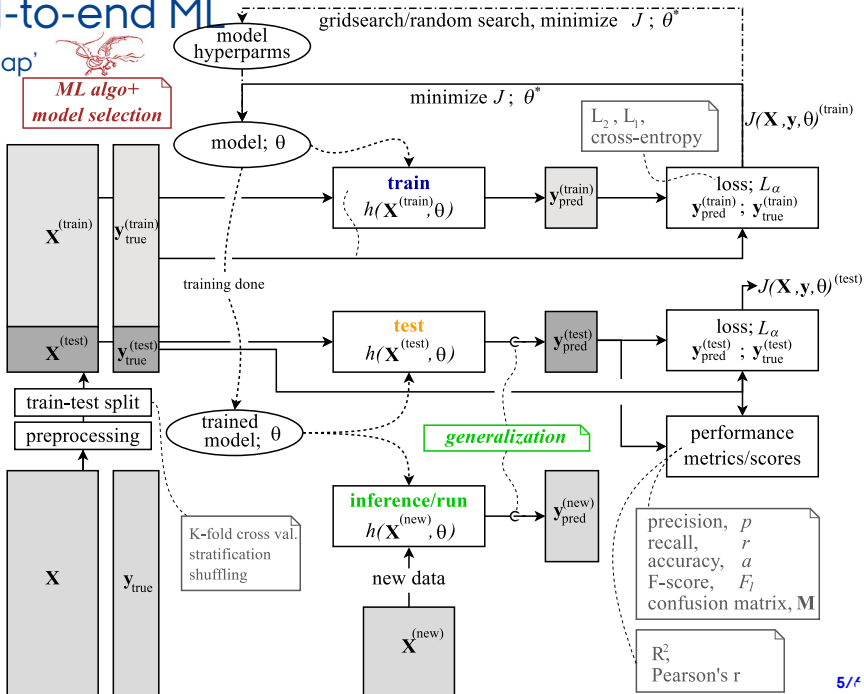
End-to-End Machine Learning Project

End-to-end ML

'The Map'



*ML algo+
model selection*



ML Supervised Learning, Train/Test

