



Modeling Exam Tips



Scott Pletcher

INSTRUCTOR

Model Design

- Selecting a model that is a good fit for the objective.
- Choosing the proper ML approach for your objective (regression, binary classification, etc.).
- Choose proper evaluation strategies for your model.
- Steps for training a model.

Data Preparation

- Understand concepts of Training Data and Testing Data.
- Identify potential biases introduced in an insufficient split strategy.
- Know when to use sequential splits versus randomized splits and what additional measures could be used to increase training data value.

Model Training

- Multiple Options for training: SageMaker Console, Apache Spark, Custom Code via SDK, Jupyter Notebook.
- Be familiar with default data types SageMaker algorithms support and the recommended format for best performance.
- Know the difference between a Hyperparameter and Parameter.
- Understand the repository and container image concept for SageMaker training.
- Understand the process if you wish to provide your own algorithm.
- Understand the process for using Apache Spark to interact with SageMaker.



**Be sure to read/watch
the additional resources**

Be sure to read/watch
the additional resources

