Machine Learning

Algorithm design

Data

Coding

Linear Algebra

Statistics/Probability

1. Applying machine learning techniques, including:

* Predictive modeling
* Text and image mining
* Clustering
* Anomaly detection
* Forecasting methods
* Deep learning

2. Designing, development, and delivery of machine-learning-enabled solutions:

* Problem definition
* Data acquisition
* Data exploration and visualization
* Feature engineering
* Evaluating and comparing metrics

3. Working with different kinds of data:

* Structured and unstructured data sources
* Batch and streaming modes
* Formats such as tabular, image, video, audio, text, and time series