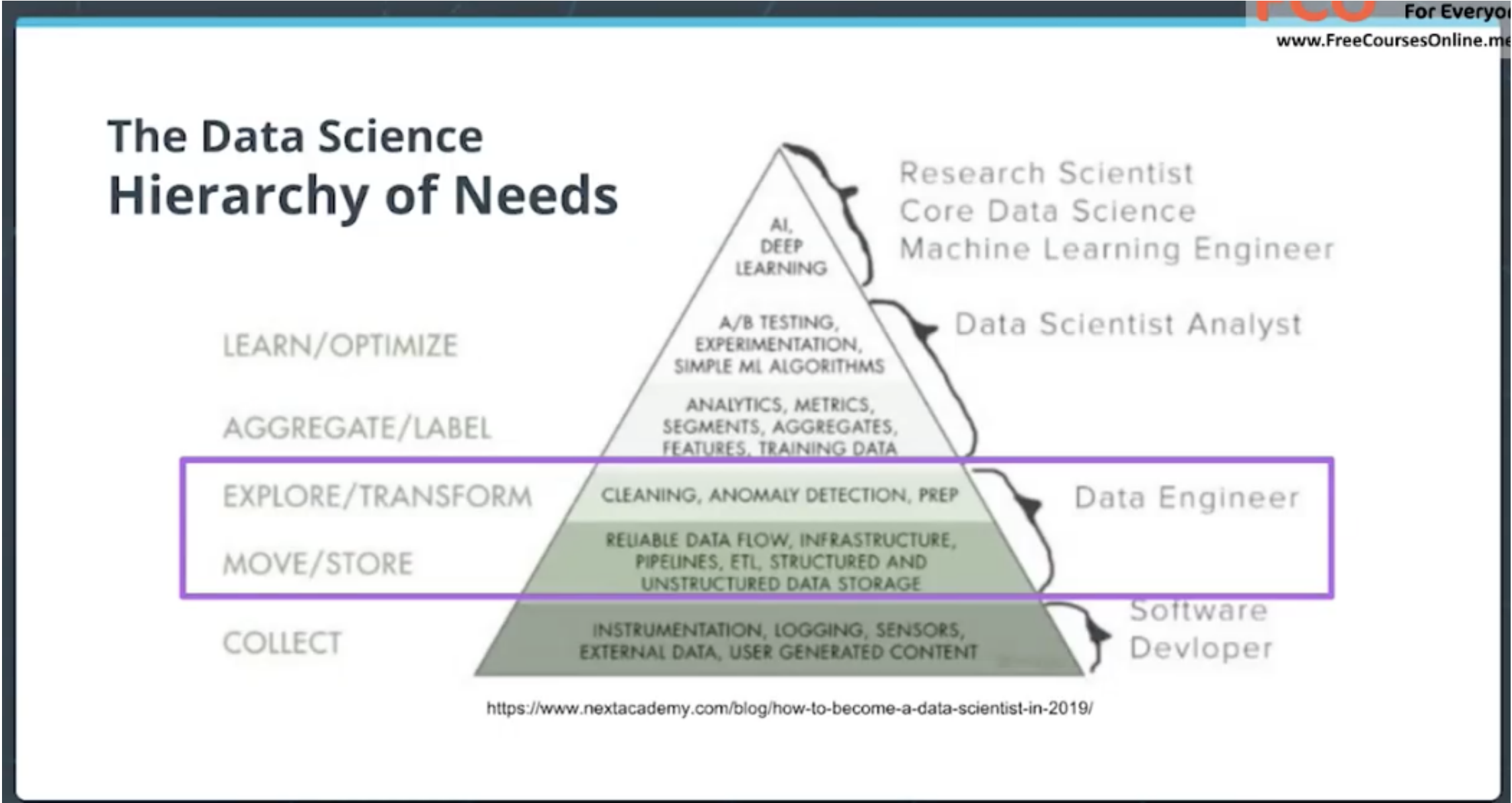
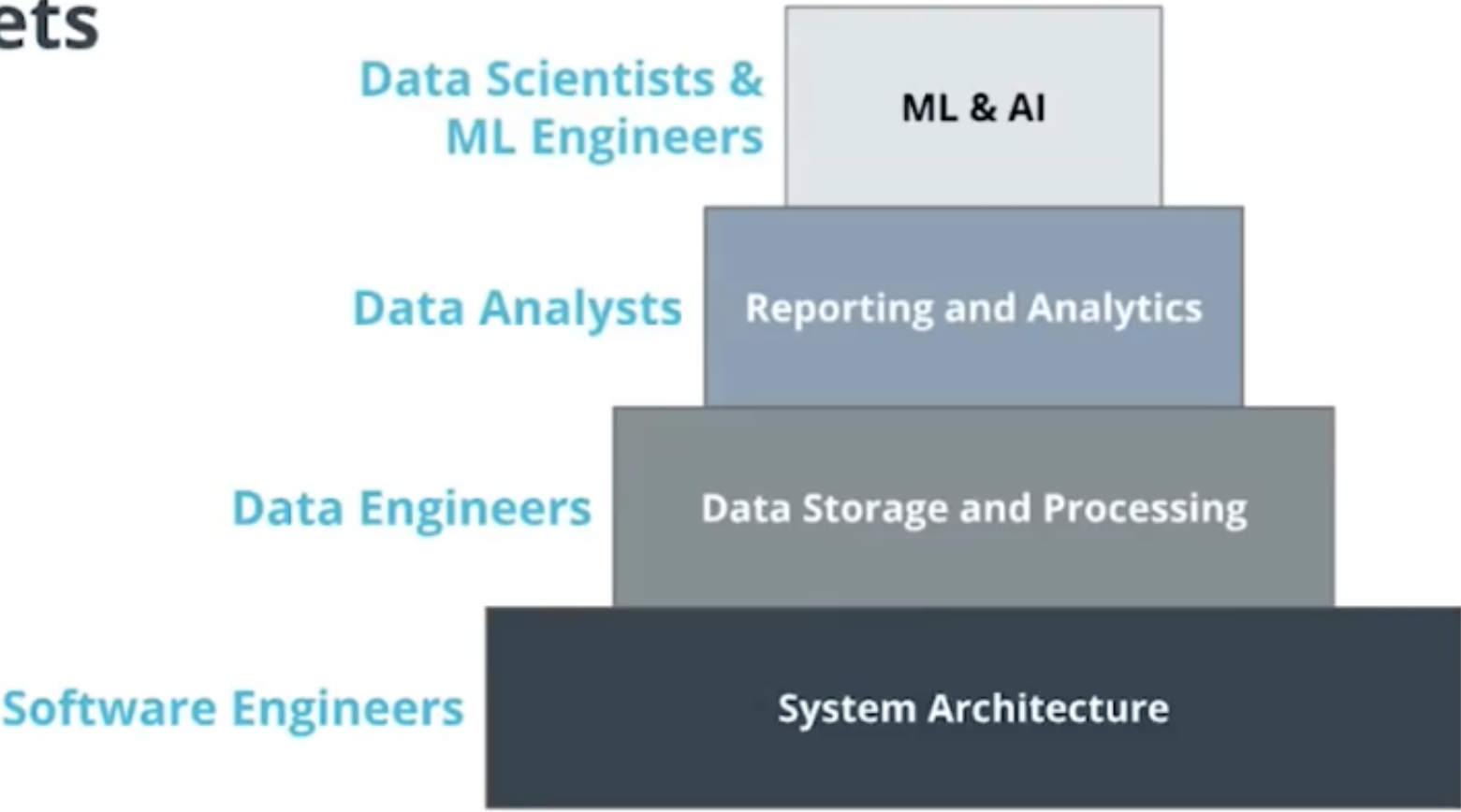


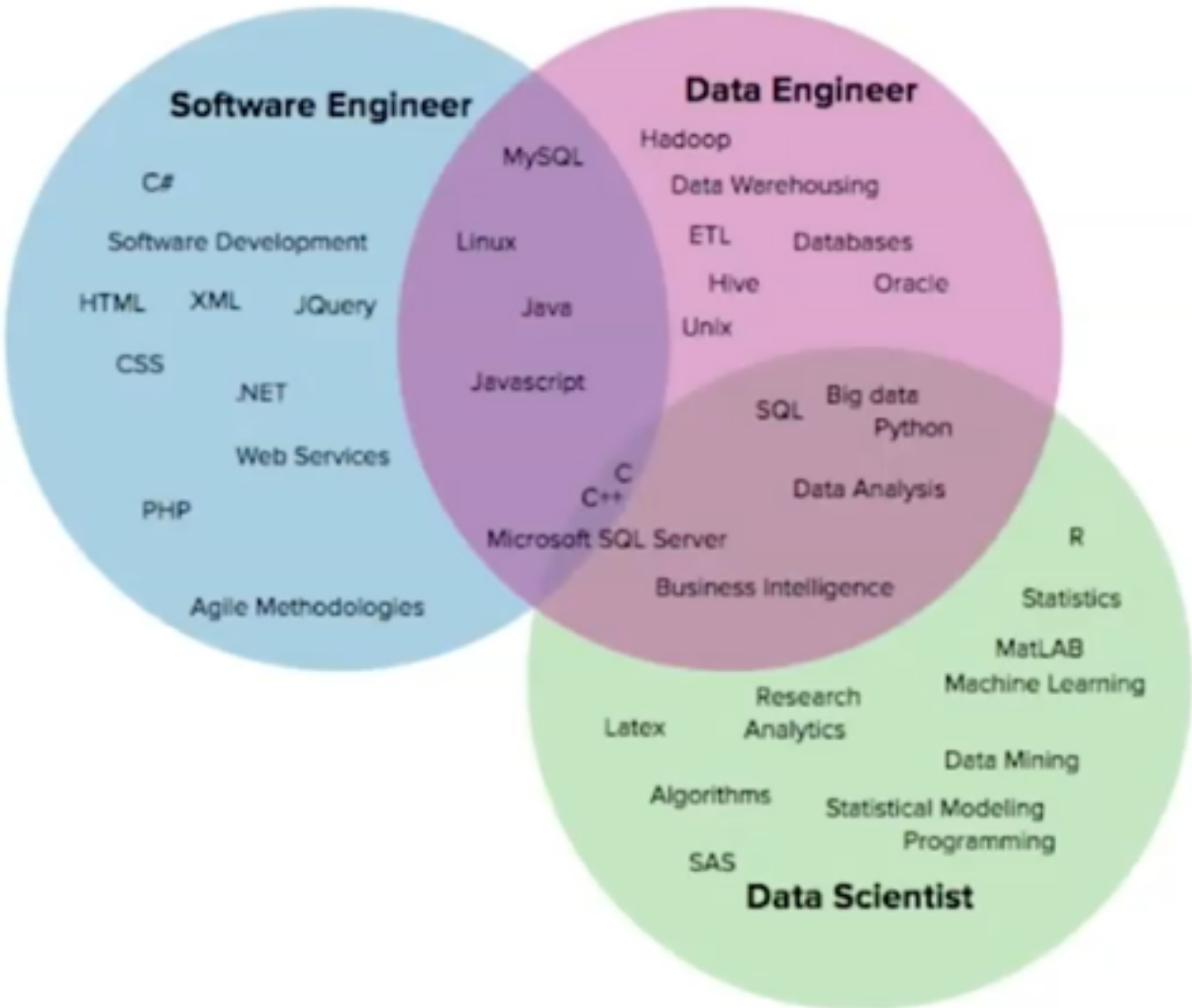
What is Data Engineering?



Data Roles and Skill Sets



Data Roles and Skill Sets



Common Data Engineering Activities

- Ingest data from a data source
- Build and maintain a data warehouse
- Create a data pipeline
- Create an analytics table for a specific use case
- Migrate data to the cloud
- Schedule and automate pipelines
- Backfill data
- Debug data quality issues
- Optimize queries
- Design a database

$$\sigma(z) = \frac{1}{1 + e^{-z}}$$
$$z = w_0 + w_1 * x_1 + w_2 * x_2 + \dots + w_n * x_n$$