[L4-DE] Best Practices for Data Engineering
Online

Session 1	
Introduction	Introduction to the course Technical setup
Example	ETL on Customers data – Part I
Connectors & Data access	File Handling recap Web Services
Best Practices	Security, Efficiency, Error Handling, Reusability, Data Validation
Session 2	
Example	ETL on Customers data – Part II
Data anonymization	Data Anonymization
Databases	Relational Databases: advanced topics NoSQL Databases: overview
Best Practices	Security, Efficiency, Error Handling
Session 3	
Example	ELT on Usage data
Big Data & Hadoop	A Quick Intro to Hadoop Big Data Connectors, IO, Processing on Hadoop
Apache Spark	IO in Spark Spark Processing Machine Learning with Spark
Best Practices	Performance Optimization on Spark
Session 4	
Cloud and Big Data connectivity	Running Hadoop Applications in a Cloud Cloud Providers Connectivity
Example	Orchestrate ETL on Customers data and ELT on Usage data applications
Orchestration	Orchestration Workflow Services
Best Practices	Orchestration
Session 5	
Wrap Up Session	Q&A