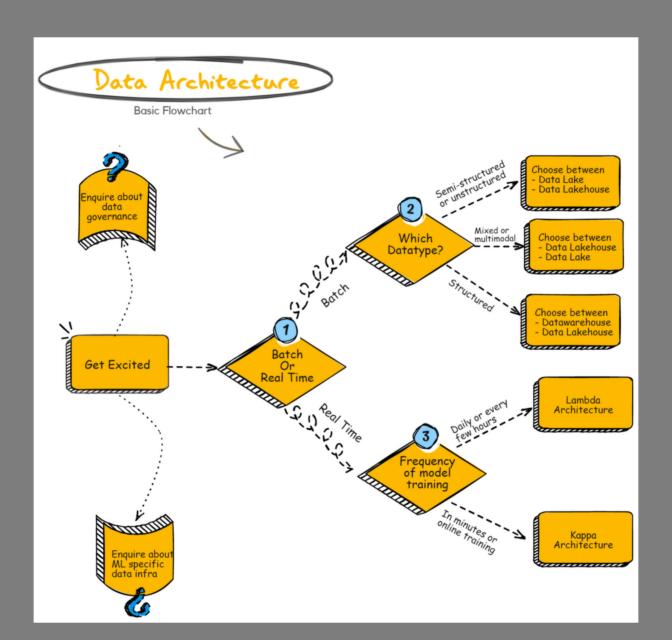
DATASIENS

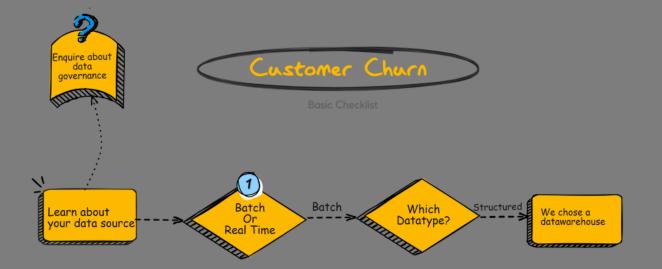
Data Architecture flowchart



Example use case - Customer churn

Management (CRM)
database





For data science use cases architecture decisions need to be made twice.

- For model training pipeline
- For inference pipelines (predictions)

Example use case - Payments Fraud Data Lakehouse Model stores event data **Training** Spark streaming **Apache Kafka Transaction data** Flink **Prediction** (Fraud/Safe) **Distributed streaming POS or Online** Stream processing platform transaction framework **Predictions Deployed Feature Store** Model Learn more Batch Or Real Time Frequency of model Daily about data Here we chose sources and training data types Real Time Payments Fraud Very important to have a feature store for this use case Enquire about ML specific data infra