1. Azure Data Architecture with Databricks
   1. Raw Zone/Streaming Platform
   2. Delta Lake (Medallion Architecture)
      1. Processing Cost
         1. Gradually Smaller Inputs (Filtering)
         2. Cheaper Operations (File Ingestion < Deduplication < Gold Transformations)
      2. Stability & Frequency of Change (Bronze > Gold)
      3. Information Loss & ETL Subjectivity (Bronze > Gold)
   3. Databricks SQL, Photon and Hive UDFs (Self-Service & Late Arriving Data)
2. Data Mesh
   1. Decentralization, Collaboration
      1. Domain-oriented data (Source-aligned) & Cross-domain consumption (Consumer-aligned)
      2. Polyrepos
   2. Data Governance:
      1. Extensions & Tools
      2. Standardization & Best Practices
      3. Code Review
   3. Why the Bronze Zone is the best Data Product:
      1. Lower Processing Cost than Raw Zone
      2. Higher Stability than Data Marts
      3. Lower Frequency of Change than Data Marts
      4. Lower Information Loss & ETL Subjectivity than Data Marts