

1. DATA INGEST AND EGRESS

- 1.1 *Multi-structured data*
- 1.2 *NoSQL data*
- 1.3 *Structured and Semi-structured data*
- 1.4 *JSON data*

2. DATA PROFILING

- 2.1 *Data type inference*
- 2.2 *Statistical profiling*
- 2.3 *Pattern-matching*
- 2.4 *String profiling*
- 2.5 *Unstructured text profiling*

3. DATA VALIDATION AND CLEANSING

- 3.1 *Constraint validation*
- 3.2 *Regex validation*
- 3.3 *Corrupt data validation*
- 3.4 *Unstructured data validation*

4. DATA TRANSFORMATION

- 4.1 *Structured to Hierarchical*
- 4.2 *Data normalization*
- 4.3 *Data integration*
- 4.4 *Aggregation*
- 4.5 *Data generalization*

5. DATA REDUCTION

- 5.1 *Dimensionality reduction*
- 5.2 *Numerosity reduction*