

Key-value/NoSQL Data Model

- NoSQL = “Not Only SQL”
- Necessary API operations: `get(key)` and `put(key, value)`
 - And some extended operations, e.g., “CQL” in Cassandra key-value store
- Tables
 - “Column families” in Cassandra, “Table” in HBase, “Collection” in MongoDB
 - Like RDBMS tables, but ...
 - May be unstructured: May not have schemas
 - Some columns may be missing from some rows
 - Don’t always support joins or have foreign keys
 - Can have index tables, just like RDBMSs