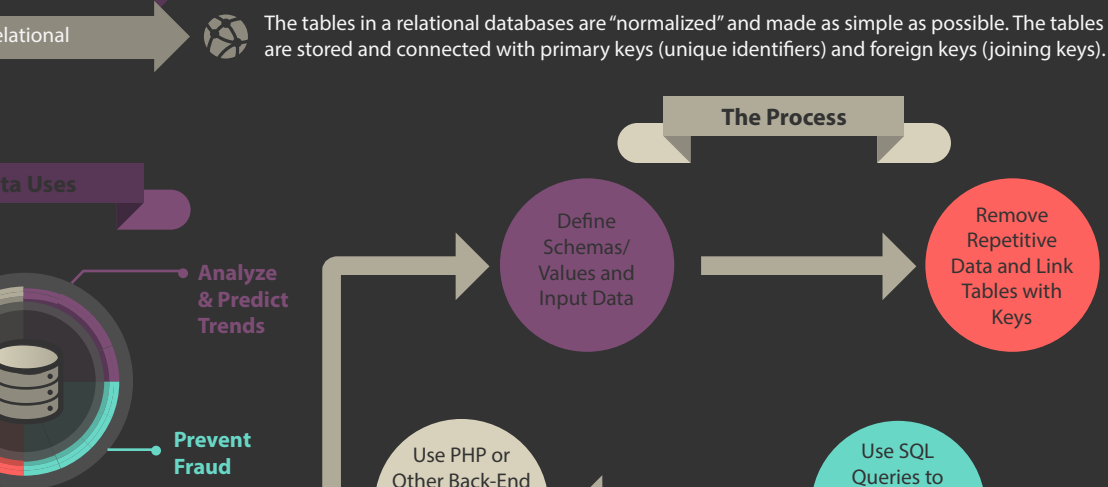


# ONLINE RELATIONAL DATABASES

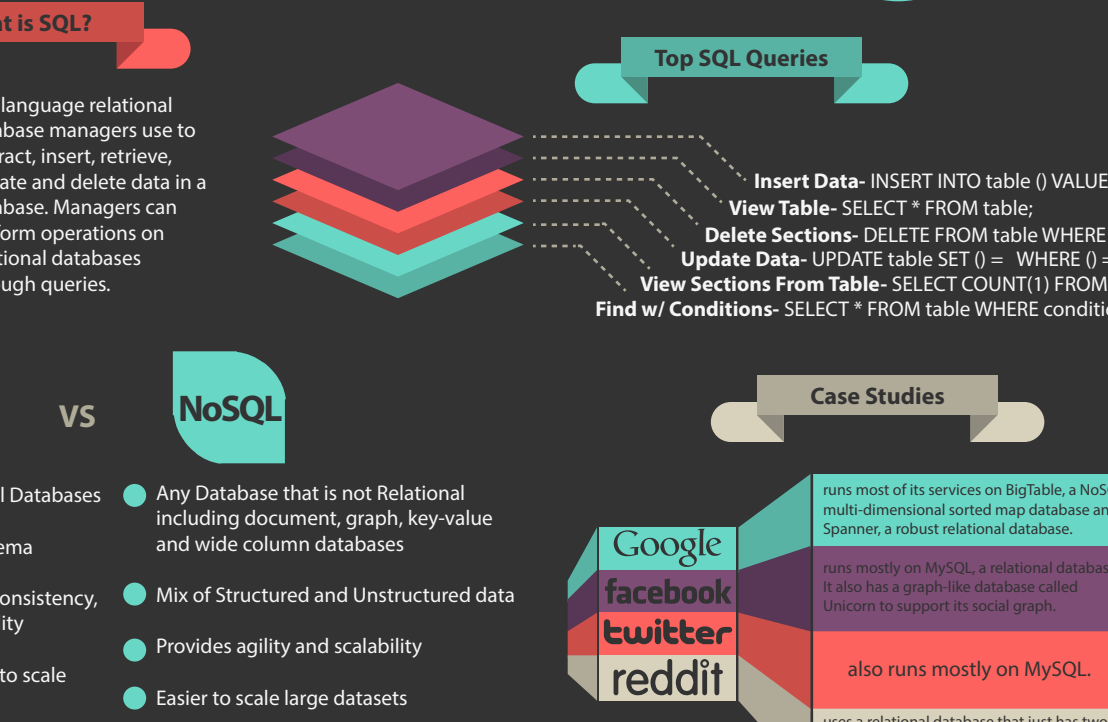
## relational data-base

**SQL**  
*noun*

A type of database that organizes data into tables and links them based on defined relationships in a way so the data can be searched, retrieved and manipulated later.



### The Process



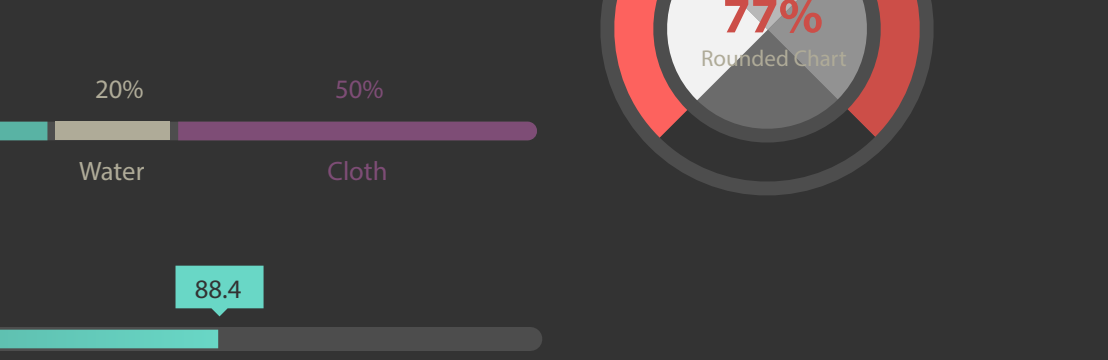
### Data Uses



### What is SQL?

The language relational database managers use to interact, insert, retrieve, update and delete data in a database. Managers can perform operations on relational databases through queries.

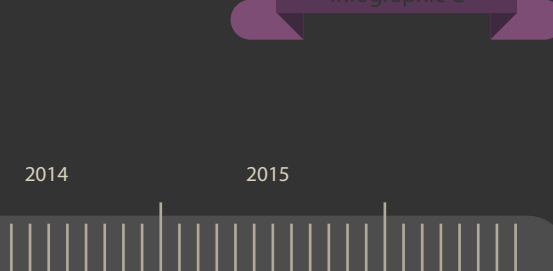
### Top SQL Queries



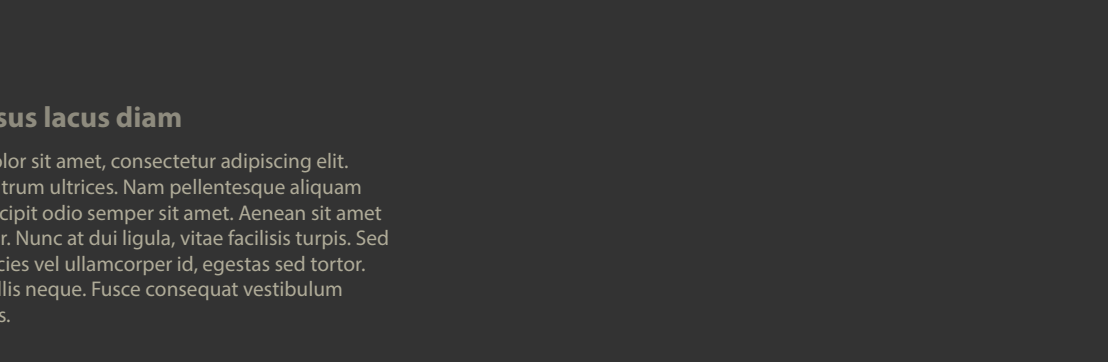
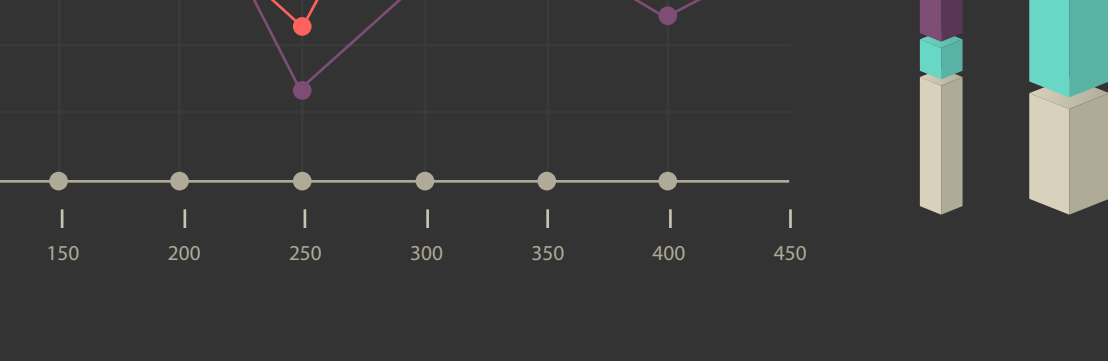
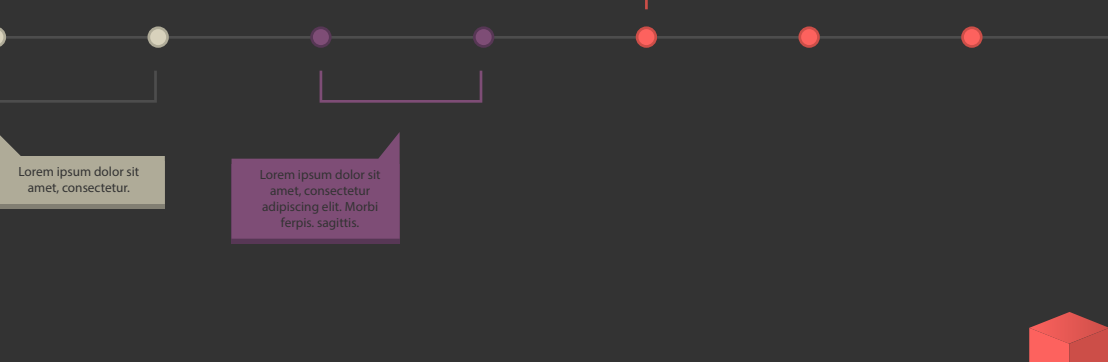
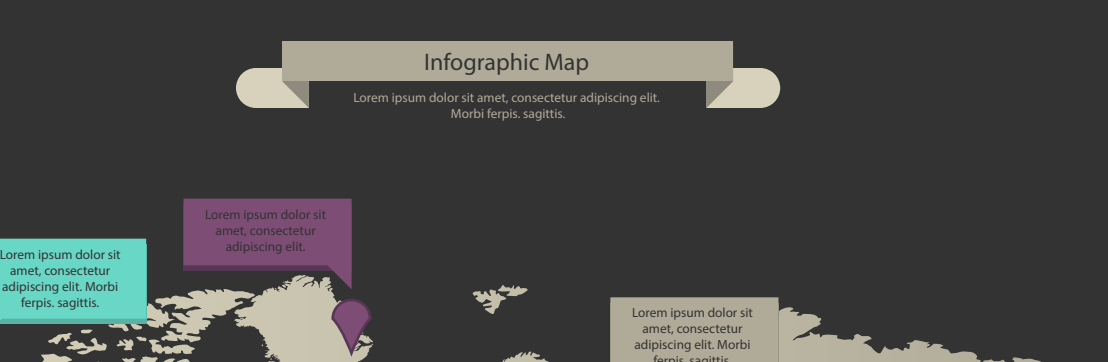
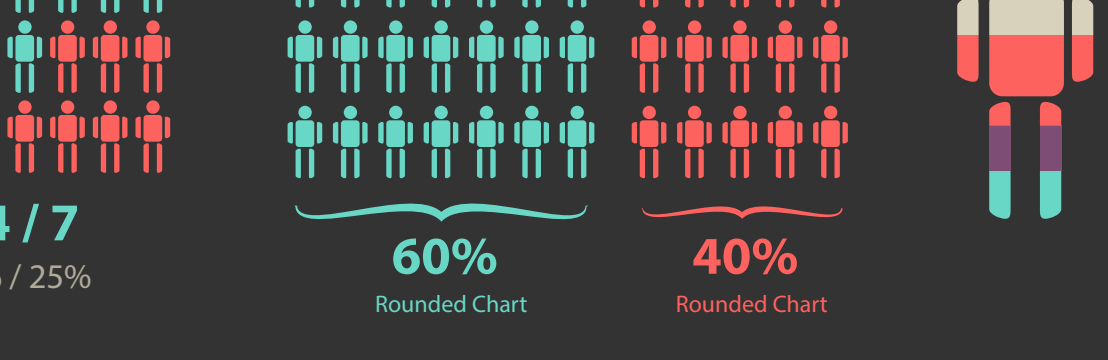
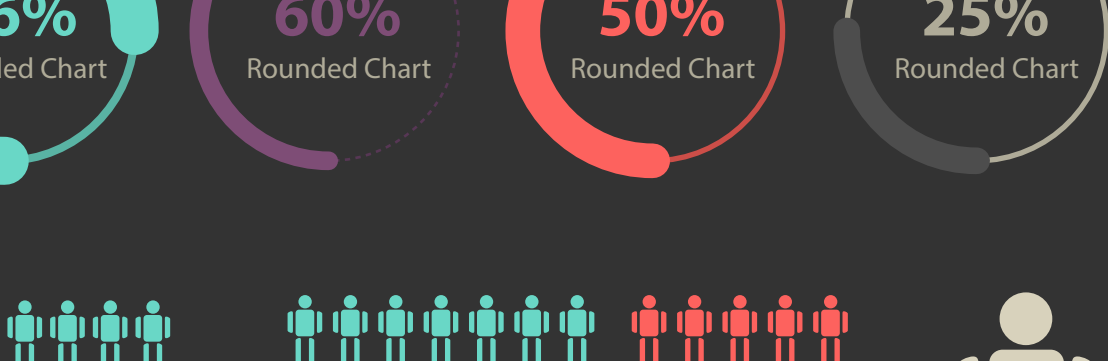
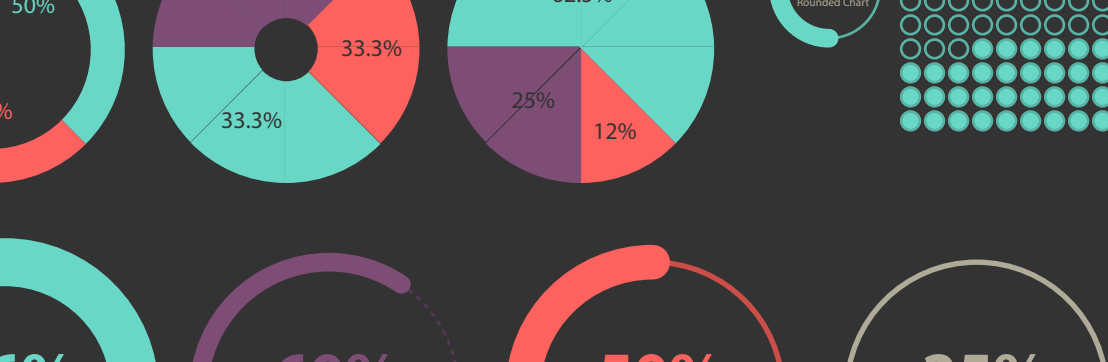
### SQL vs NoSQL

- Deals with Relational Databases
- Structured with Schema
- Provides reliability, consistency, isolation and durability
- Hard and expensive to scale
- Any Database that is not Relational including document, graph, key-value and wide column databases
- Mix of Structured and Unstructured data
- Provides agility and scalability
- Easier to scale large datasets

### Case Studies

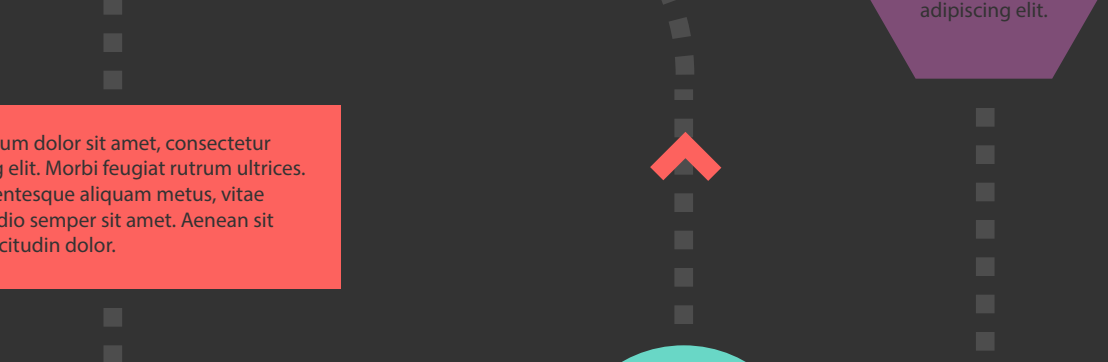
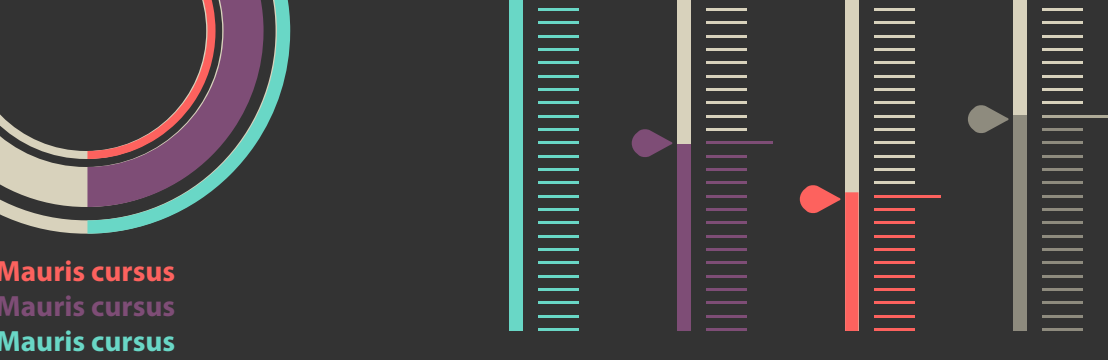
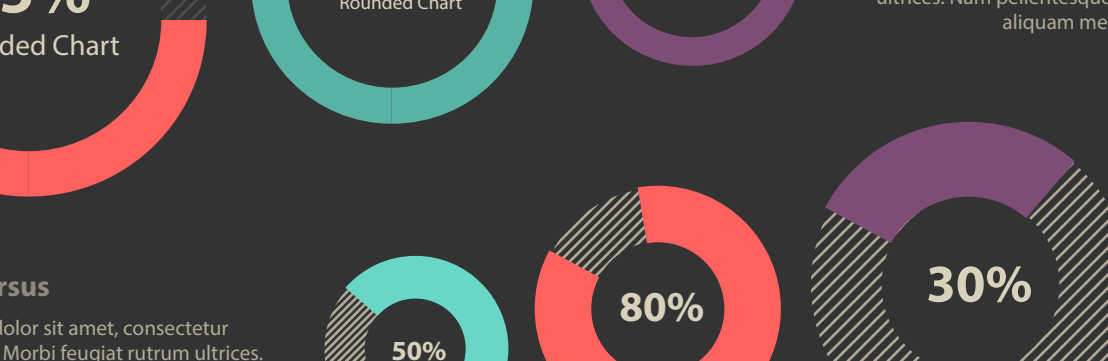
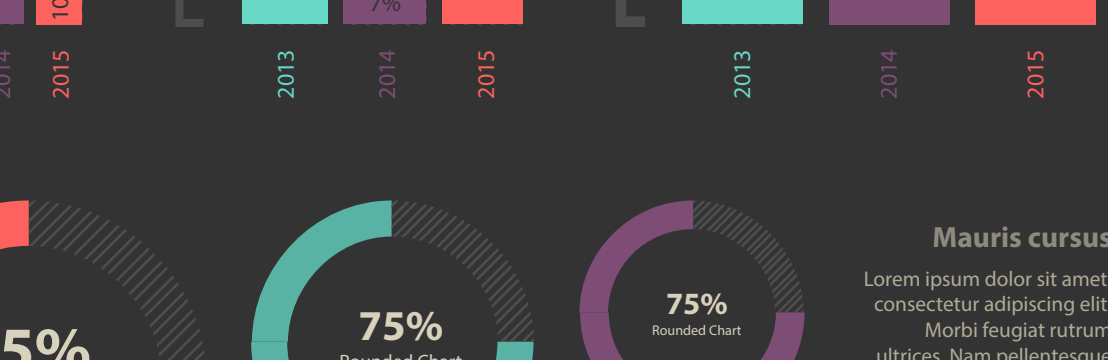
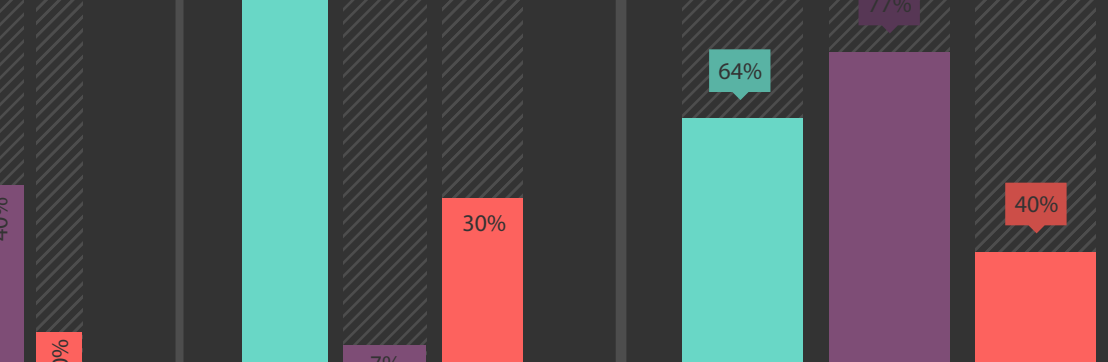
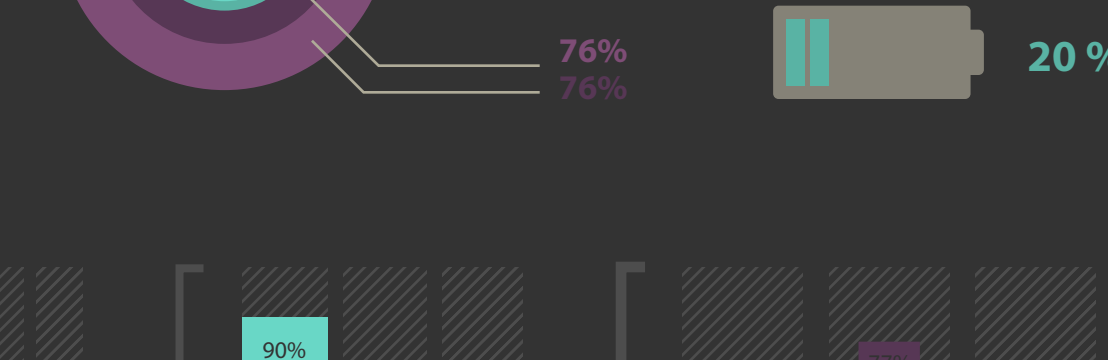
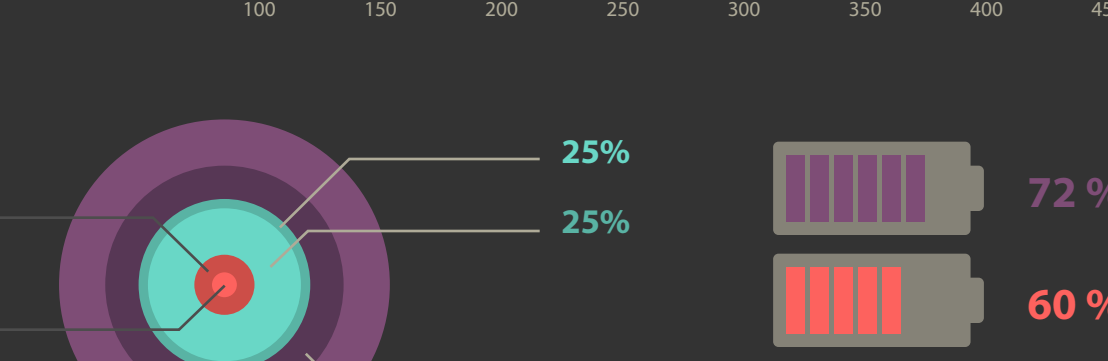


Nathan Beddome, Fall 2014



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### Icons

