



# NoSQL Databases

School of Information Studies  
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# NoSQL Database

Does not use SQL

No database schema

Data stored via Dictionaries

# Storing Data

Give the data a name

Serves as the **Key**

Access can be very fast

Data accessed by aggregate units

Can be spread across distributed storage

# What We Will Use

Document database

Follows JSON structures

Container for a set of collections

- Each collection holds a number of documents
- Each document is an object of name/value pairs

# Comparison of NoSQL and RDBMS Database

## NoSQL

NoSQL

Database

Collection

Document

Field

Embedded document

Primary key

## RDBMS

SQL

Database

Table

Tuple/row

Column

Table join

Primary key



# MongoDB

One of the most widely used

Excels in storing huge amounts of data

Spreading data across storage devices

Using parallel constructs

Format is called BSON

Binary encoded JSON with additional types

# Installing MongoDB

Install using Anaconda

See the directions found in the toolbox for installation