

***Data visualization with advanced Excel***  
***SQL and other database tools***

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## ***SQL and other database tools***

**A common programming language used to interact with databases is:**

**SQL**

## ***SQL and other database tools***

**A common programming language used to interact with databases is:**

**Structured Query Language**

**Gives commands within a relational database**

**Performs many functions**

# SQL and other database tools

Population of US Cities, 2016



City	State	Population	Area (sq mi)
New York	NY	8,550,405	468.9
Chicago	IL	1,300,092	234.0
Dallas	TX	2,695,598	385.8
San Francisco	CA	864,816	231.9
Atlanta	GA	463,878	134.0

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## ***SQL and other database tools***

**Various relational database software tools will have their own version of SQL:**

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## ***SQL and other database tools***

**Various relational database software tools will have their own version of SQL:**

- **Oracle Database**
- **MySQL Database**
- **Toad for SQL Server**
- **Microsoft Access**

**Excel**





## ***SQL and other database tools***



**Excel**

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**Excel**

**Flexible**

**Able to demonstrate a range of concepts**

**Very common in the market**

## ***SQL and other database tools***

**Excel**

**PowerPivot**