


# STATISTICS FOR INFORMATION ANALYSIS ❄

## PYTHON QUERY OPERATIONS

- 🔧 **QUERY 1:** Select count **States** by Frequency
- 🔧 **QUERY 2:** select count **States** by frequency and show a simple bar graph
- 🔧 **QUERY 3:** Select count **BusinessType** by frequency
- 🔧 **QUERY 4:** select count **BusinessType** by frequency and show simple bar graph
- 🔧 **QUERY 5:** select Max **Investment** and Max **Rating** where **State** is Mwanza and date is range from 2-jan-21 to 16-jan-21
- 🔧 **QUERY 6:** Select count **State** where **State** ='Dodoma'
- 🔧 **QUERY 7:** Select count **State** and **Region** where **Location** ='Dodoma' and **Region**='East'
- 🔧 **QUERY 8:** Select count **State** and **Region** where **Location** ='Dodoma' and **Region**='East' and **Investment** is greater than 300,000
- 🔧 **QUERY 9:** Select Average mean of **investment** where **State**='Dodoma' and **Location** is not 'Urban'
- 🔧 **QUERY 10:** select summation of **investment** where **Expiry** is a date range from 2-jan-21 to 16-jan-21 and **State** is 'Dodoma'
- 🔧 **QUERY 11:** select the Median of **Investment** and **Rating** where **State** is Mwanza, **Location** is Urban and **Investment** is greater than 400,000
- 🔧 **QUERY 12:** select the median of **Investment** and **Rating** where **State** is Mwanza **Location** is Urban and **Investment** is greater than 400,000 and **Expiry** is a date range from 2-jan-21 to 16-jan-21

## SELECT QUERY BY TABULAR

- 🔧 **QUERY 13:** Select all from **State** where **State** ="Dodoma"
- 🔧 **QUERY 14:** Select all from **State** and **Region** where **State** ="Dodoma" and **Region**="East"
- 🔧 **QUERY 15:** Select all from **State** and **Region** where **State** ="Dodoma" and **Region**="East" and **Investment** is greater than 300,000
- 🔧 **QUERY 16:** Select all **investment** where **State**="Dodoma" and **Location** is not "Urban"
- 🔧 **QUERY 17:** select at least 5 High frequency of **Investment** where **Expiry** is a date range from 2-jan-21 to 16-jan-21
- 🔧 **QUERY 18:** select all **investments** where **Expiry** is a date range from 2-jan-21 to 16-jan-21 and region is **Dodoma**
- 🔧 **QUERY 19:** select **State**, **Region**, **Location** and **BusinessType** where **Region** is 'East'and **investment** greater than 2219900 and **BusinessType** is not 'Other' and **Construction** is Frame or FireResist and **State** is 'Dar es Salaam' or 'Dodoma'

 **QUERY 20:** Box plot to show quartiles with specified settings