



# *Introduction to Data Analytics (Part 1)*

*What is data analysis*  
*Responsibilities of a junior data analyst*  
*Differences between roles in the data world*  
*The data analysis process*



*Itee*  
*Itunuoluwa Olowoye*

*Data and Automation Consultant*  
*Transitioned from the sciences into tech*  
*Leveraged online courses, projects, and a*  
*portfolio*

# *What is Data Analysis?*

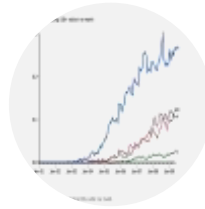
What?

How?

Why?

Where??

When??



Finding significant patterns in data



Gathering, cleaning, and transforming data



Presenting findings to support decision making and solve problems

# *Responsibilities of an Analyst*

## **Junior Data Analyst**



Collaborate with stakeholders to design solutions that align with the business objectives



Gather all necessary data needed to meet the objectives



Ensure data accuracy and consistency



Create reports, dashboards, summaries and presentations to communicate findings



Provide insights and high-level recommendations



Communicate insights and recommendations to stakeholders

# *Roles in the Data World*

Database management

Describe current state

Predict future state

1

Data Engineer

SQL, Python, Cloud

2

Data Analyst

Spreadsheets, SQL, BI,  
*Python*

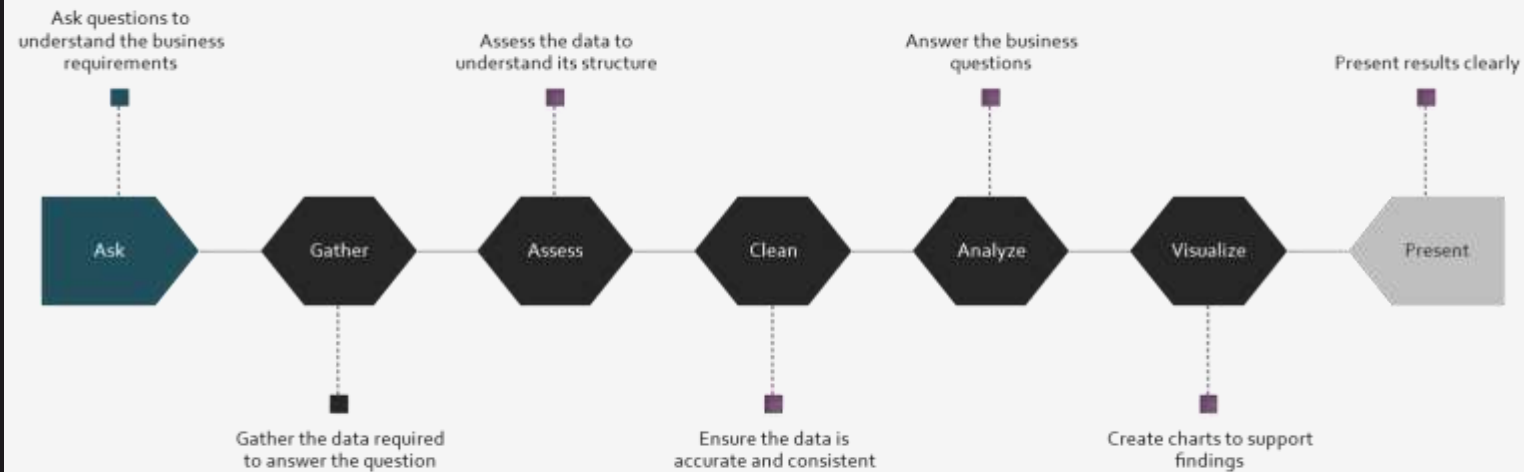
3

Data Scientist

SQL, Python

# *The Data Analysis Process*

Workflow



# *QOTD:*

*A recruiting company  
wants to understand  
the market demands for  
data analyst roles*

*Itee*

After a poll, 3 locations were chosen: Africa, Canada, and the USA. Data analyst jobs within these locations were collated with the following fields:

- title: Job title
- company: Name of the company
- description: Description of the job and company
- onsite\_remote: Location where the employee will be working from
- salary: Salary for the job. May be yearly or hourly. In most cases, it is a range from min to max
- location: Where the company with the opening role is located
- criteria: Job requirements like experience, employment type, etc.
- posted\_date: The date the job was posted
- link: The URL to the job
- [LinkedIn Data Analyst jobs listings | Kaggle](#)