

# CIT-DATA-101

Welcome to the CIT's Data Cell!



## How the Data Cell works ?

We learn new skills together.

We collaborate on projects together.

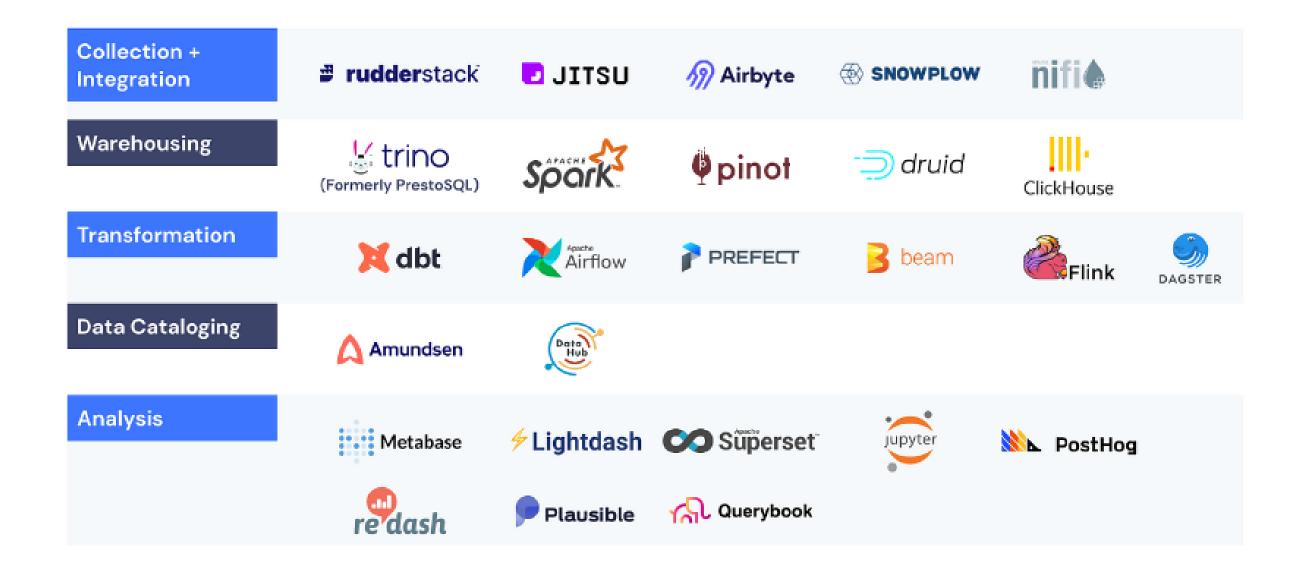


Our community grows stronger.

## Exploring Data Jobs Together

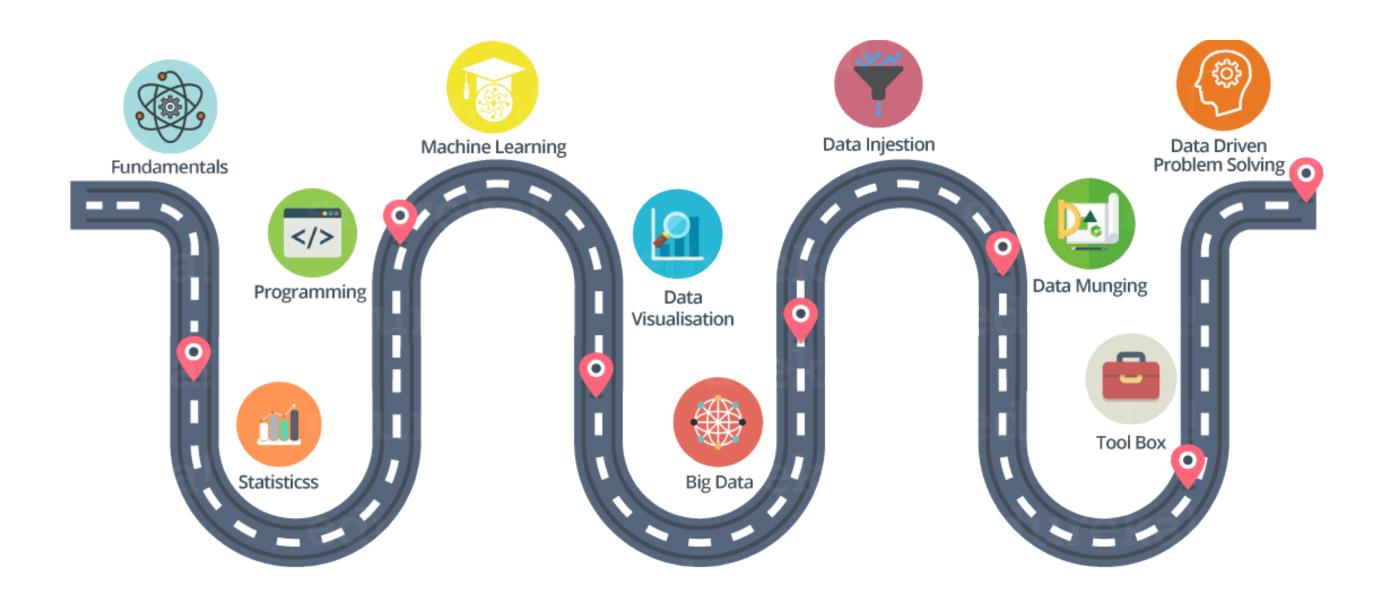


## Data Engineer



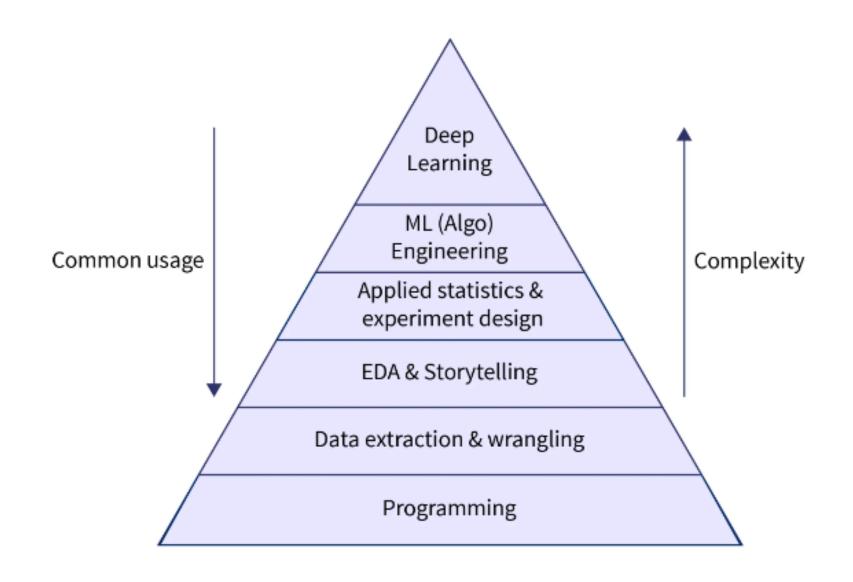


## Data Scientist & Analyst





## Machine Learning Engineer





## First term

### I. Data Exploration

- Data Manipulation
- Data Visualization
- Tips for data storytelling

# Presenting our partner



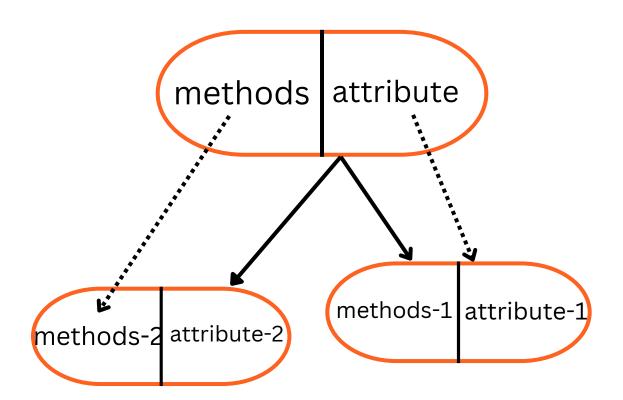
# Introduction to OOP in Python Key concepts

- OOP: A paradigm based on objects.
- Objects: Central to OOP, representing data and behavior.

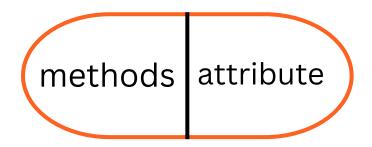


## Principles of OOP

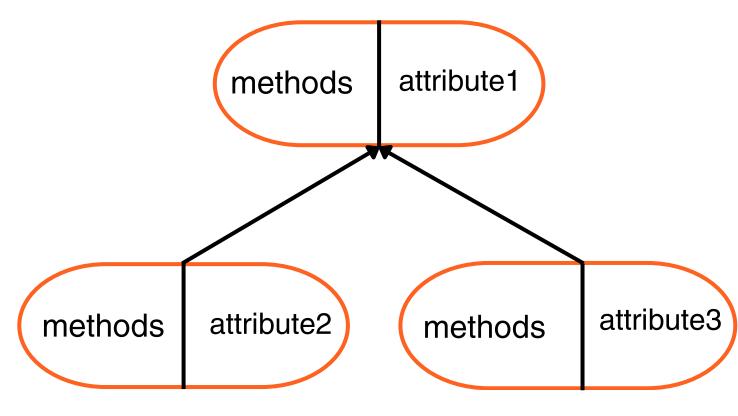
#### Inheritance



#### **Encapsulation**



#### **Polymorphism**



### Example to sum up

Let's start by defining a class:



#### Inheritance

#### Child class

```
class GoldenRetriever(Dog):
    def fetch(self):
       print(f"{self.name} loves to fetch balls!")
```

#### Child class

```
class GoldenRetriever(Dog):
    def fetch(self):
        print(f"{self.name} loves to fetch
balls!")
    def __init__(self, name):
        super().__init__(name)
```



## Polymorphism



#### Abstraction



## Check Google Colab Now let's have fun ...





# Thank you See you soon ...

