**Week 1 Class 2: By Lians Wanjiku, Machine Learning Engineer and Data Analyst.**

**Time: Saturday, September 30th, 2023 10:00 AM EAT**

**Continuing from first class this will be labs and hands-on sessions. What to handle.**

**Python :**

* Python basics, control flow, conditional statements, basic data structures, and functions.
* Introduction to Pandas, numpy, matplotlib, sk-learn, and flask with demos and where each should be applied.
* Data Visualization and tools you can use.

SQL

- Demo different handling and sql commands.

* SELECT statement. The SELECT statement is used to select data from a database table.
* WHERE clause. The WHERE clause is used to filter the results of a SELECT statement.
* JOINs. JOINs are used to combine data from two or more tables.
* GROUP BY clause. The GROUP BY clause is used to group the results of a SELECT statement.
* ORDER BY clause. The ORDER BY clause is used to sort the results of a SELECT statement.
* Subqueries. Subqueries are queries that are nested inside other queries

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Handle CTE and Views in SQL, you can demo with sample databases provided in the MSSQL SERVER.

**Also demo how to push the code to github and how to collaborate with a team.**