# Experiment 9 Output

This experiment involves designing and executing SQL queries to generate insightful reports from a data warehouse, utilizing business intelligence tools for data analysis and visualization.

### Creating Database and Data Table

## mysql> -- Create the database and table nysql> CREATE DATABASE linkedin data; Query OK, 1 row affected (0.05 sec) mysql> USE linkedin\_data; Database changed mysql> nysql> CREATE TABLE users ( id INT AUTO\_INCREMENT PRIMARY KEY, name VARCHAR(255), followers INT, content\_type VARCHAR(100), gender VARCHAR(10), age INT, organization VARCHAR(255) -> ); Query OK, 0 rows affected (0.05 sec)

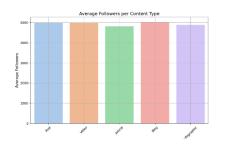
Fig 1: Database and Table Creation

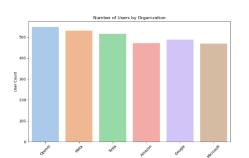
### Inserting Data Via SQL and Python

Fig 2: Data Insertion

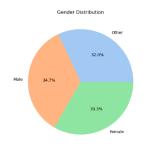
ormit() commit() t(f" ☑ {cursor.rowcount} new records inserted.")

### Followers Distribution

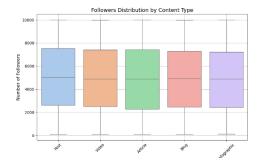




# Content Type Distribution Video 20.2% Post 19.6% Article 20.2% Infographic



### **Box Plot**



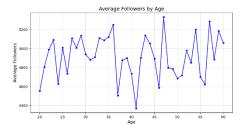


Fig 3: Followers Distribution Graph

Fig 4: Company and Users Distribution

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