# Islam Bakry Mohyee Soliman El-Qinawy

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**Github:** github.com/ScorpionIbm/Data-Portfolio

## SKILLS

- Data modeling and analysis with **Excel** and PowerPivot.
- **SQL** for data analysis and report extraction.
- **Python** for advanced data manipulation and wrangling.
- Data wrangling/modeling/analysis/**visualization** with **PowerBI**.
- Understanding of the **ETL** process for a Datawarehouse.
- Create database and perform **ETL** process through a combination of python and SQL.
- Econometric modelling with **Stata**.

## PROJECTS

- Data Analysis Professional:
  - BikeShare: This project represents a mini program written in **Python** to provide data analysis for data on a bikesharing service in the United States.
  - Twitter wrangling project: This project shows the skills to use the **Twitter API** through **Python** to retrieve tweet data from a username by ID and use it in the analysis of dog ratings provided by the account.
- Advanced Data Analysis:
  - Investigate a dataset (Gun Data):
  - A/B testing:
  - Communicate Data findings (Loan Data):
- Machine Learning:
  - Train **ML** models and compare the results of different models:
- Data Engineering:
  - SQL database ETL: use **Python** in tandem with **PostgreSQL** driver to perform the ETL process using **SQL**
  - Apache Cassandra ETL: use the **Apache Cassandra** driver for **Python** to perform the ETL process using **CQL**

## COURSES & CERTIFICATES

- **EgyptFwd with Udacity:**
  - Data Engineering – **In progress**
  - Machine Learning Cross-Skilling.
  - Advanced Data Analysis.
  - Professional Data Analysis.
  - Data Analysis Challenger Track.
- **Corporate Credit** – American University in Egypt (**AUC**)

## EDUCATION

- BA. in **Economics**, with minor in **statistics**, Faculty of Economics and Political Science – Cairo University (2015) - **Overall Grade:** Very Good with Honors (89%)
  - **Project:** Trade Balance Response to Currency Devaluation
    (VAR Model of the Egyptian Imports and Exports)

## AWARDS

- **2013**: Award in Mathematics–Faculty of Economics and Political Science

## EXPERIENCE

- **Senior Regulatory Capital Analyst at NBE (October 2017 – Current)**
  **Responsibilities:**
  - Prepare NBE's annual **ICAAP** report.
  - Assess and monitor the Bank's **Risk Profile**.
  - Conduct **quantitative assessment** of the Bank's capital position following the release of new Basel and/or Central Bank of Egypt (CBE) regulations or discussion papers.
  - Assessment and projection of **regulatory capital** to reflect the Bank's strategic plan on the capital adequacy.
  - Perform top-down **sensitivity scenarios** on aggregate portfolios to assess capital adequacy.
  - Aggregate credit portfolio analysis and credit risk projections.
  - Preparing quarterly reports and presentations for the top management (CRO and BoD) to present the performance of the Bank's portfolio and capital adequacy.
  - Aggregate credit portfolio analysis.
  - Reporting Credit Concentration Risk to CBE.
  - Follow up the Enterprise Risk Management (ERM) system implementation

  **Achievements:**
  - Designed a model to assess and monitor the Bank's Risk Profile.
  - Designed **Excel** models for Capital planning and Risk limit analysis.
  - Automation of credit risk portfolio reporting process using **Python**.
  - Integrate and analyze data of all International Monetary Fund (IMF) datasets using **Python** and programmatically filter and categorize relevant economic variables of the Egyptian economy.
  - Web scraping of the CBE website using **Python** to automate downloading the statistical bulletin.
  - Improved credit risk reporting by enhancing existing reports and excel sheets.
  - Prepared the NBE **ICAAP** report for the last **4 fiscal years** (**most recent:** June 2020, **in preparation:** Dec 2021).

## LANGUAGES

- **English**: Excellent; (IELTS): score: 7.5
- **Arabic**: Native