DATA ANALYST

Roaa Mohamed Saad

A Data Analyst passionate about turning data into actionable insights. With experience in SQL, Power BI, and Python, I specialize in analyzing data, creating dashboards, and helping businesses make informed decisions. I'm excited to use data to solve problems and drive success.

DATA ANALYST

About Me

I'm Roaa Mohamed, a passionate Data Analyst driven by a curiosity to transform raw data into meaningful insights. With a strong foundation in SQL, Power BI, Python, and Tableau, I thrive on turning complex datasets into actionable business intelligence that supports strategic decision-making.

Throughout my journey, I've honed my skills in data cleaning, statistical analysis, and data visualization, working on projects that range from creating interactive dashboards to building predictive models. Whether it's analyzing sales trends, visualizing business metrics, or applying machine learning algorithms to solve problems, I'm constantly exploring ways to make data work harder for businesses.

But what sets me apart is my commitment to understanding your specific challenges and delivering insights that drive real impact. I don't just provide data; I provide clarity and direction, helping you make smarter, data-driven decisions that move your business forward.

EDUCATION

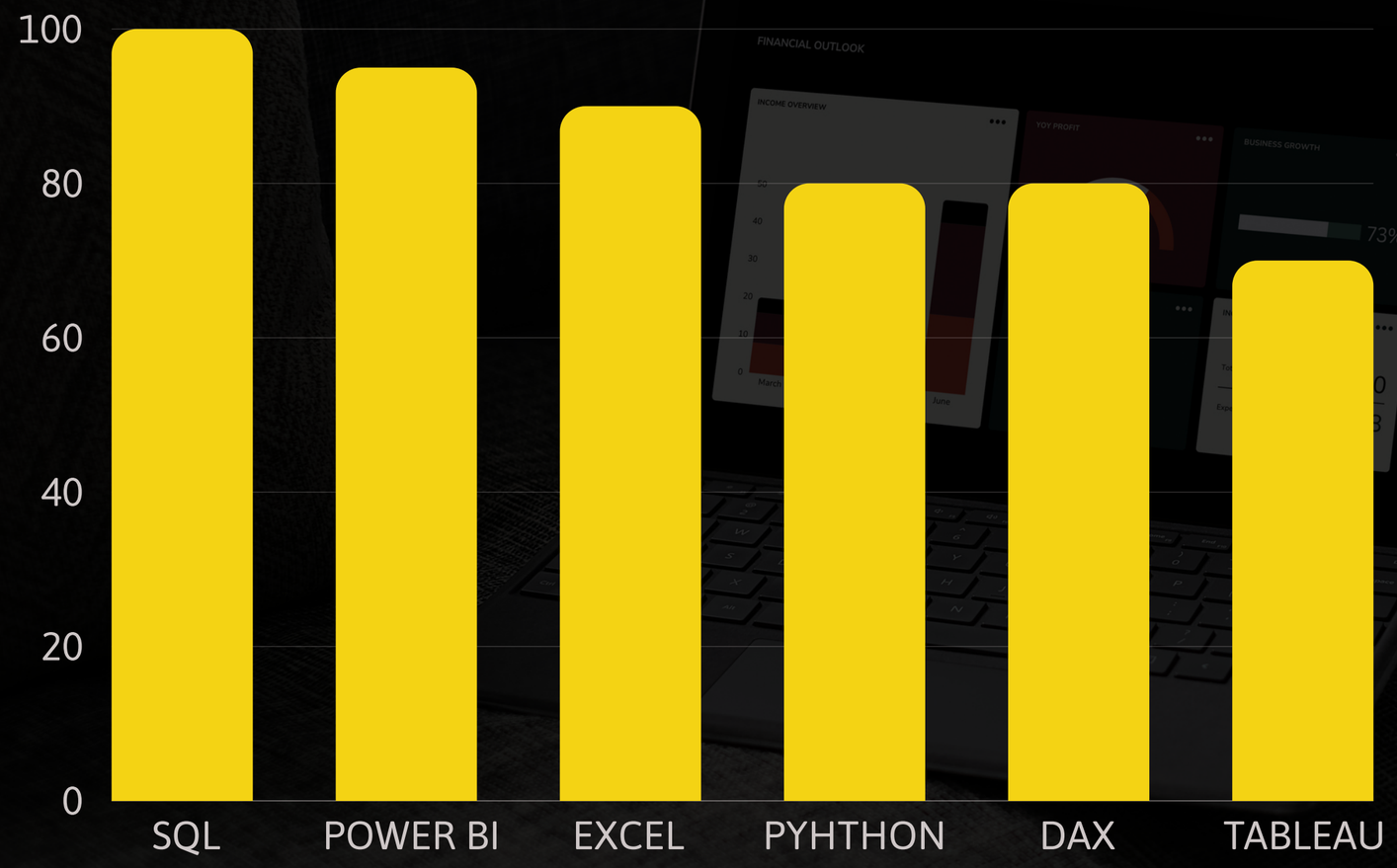
Helwan University
2022 - Present

Faculty of Computer Science and Artificial Intelligence

Software Engineering Department

Excellent

SKILLS



Data EXtracting

Data Cleaning

Data visualization

EXPERIENCE

ITI

BUSINESS INTELLIGENCE

Information Technology Institute (ITI) | August 2024 – September 2024

- Developed interactive dashboards and reports using Power BI and Tableau to visualize key business metrics.
- Designed and implemented data warehousing solutions to support decision-making processes.
- Conducted advanced SQL queries to analyze data trends and optimize database performance.

IEEE

MACHINE LEARNING

IEEE Activity | February 2024 – April 2024

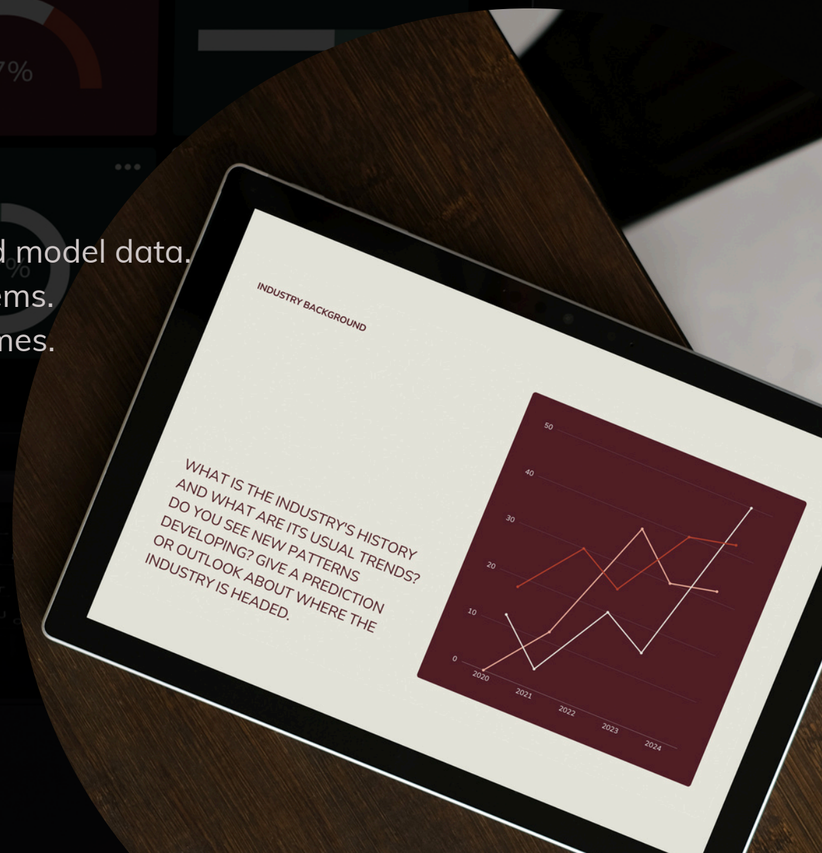
- Applied Python libraries like Pandas, NumPy, and Scikit-learn to clean, analyze, and model data.
- Built machine learning models, including KMeans and KNN, to solve practical problems.
- Presented findings through visualizations and reports to demonstrate model outcomes.

DEPI

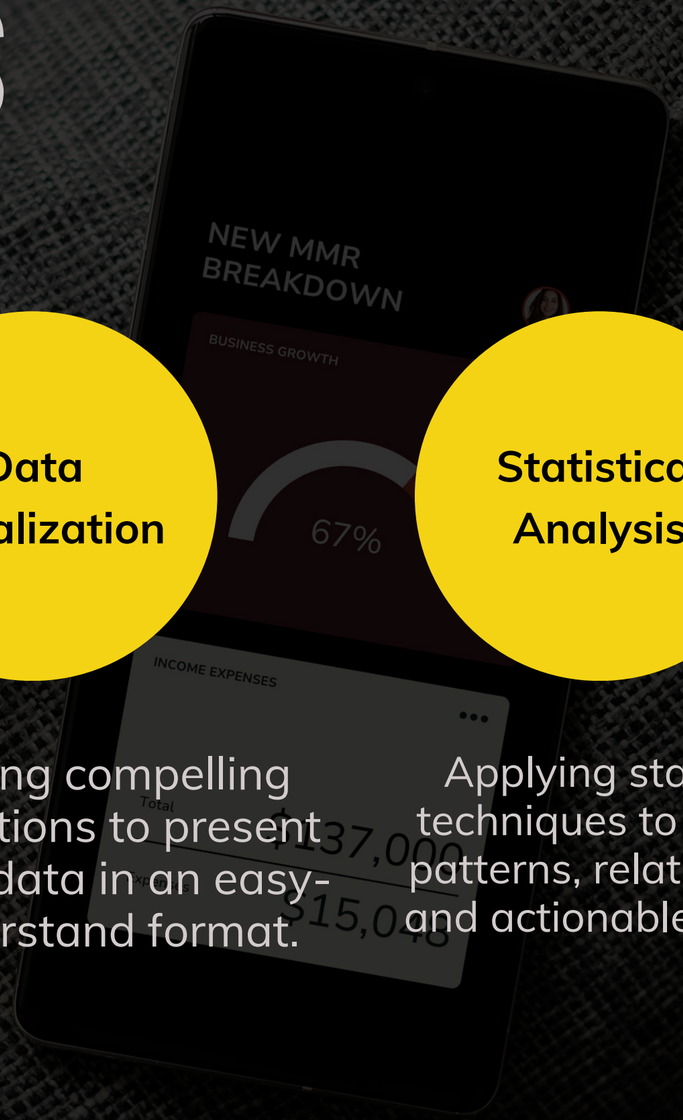
MICROSOFT POWER BI

The Digital Egypt Pioneers Initiative (DEPi) | 2024

- Built dynamic Power BI dashboards for data visualization and analysis.
- Learned and applied statistical methods to interpret data and present insights.
- Gained hands-on experience in Excel for business analytics and reporting.



OFFERED SERVICES



Data Cleaning and Preparation

Ensuring your data is accurate, consistent, and ready for analysis.

Data Visualization

Designing compelling visualizations to present complex data in an easy-to-understand format.

Statistical Analysis

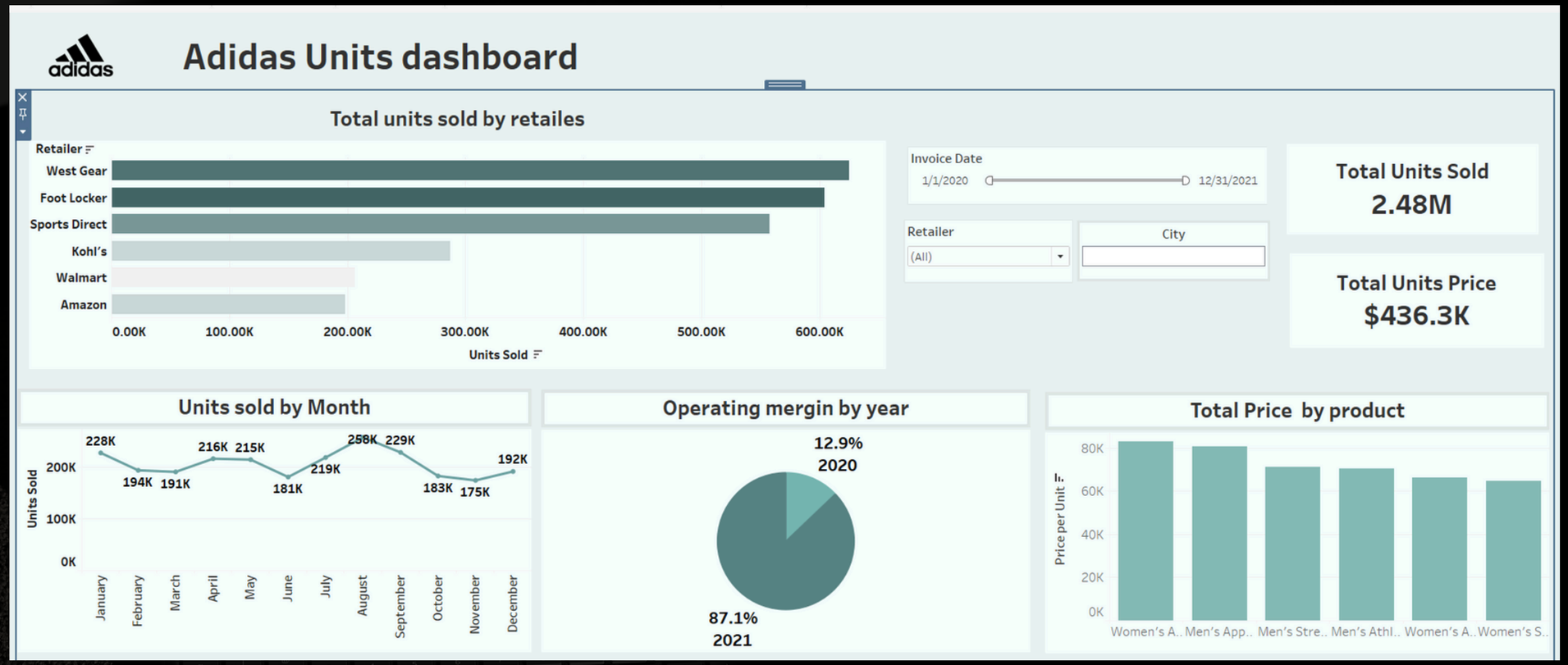
Applying statistical techniques to uncover patterns, relationships, and actionable insights

Interactive Dashboards and Reporting

Creating dynamic dashboards and reports using Power BI, Tableau, and Excel to visualize key metrics and trends.

PROJECTS

ADIDAS UNITS DASHBOARD

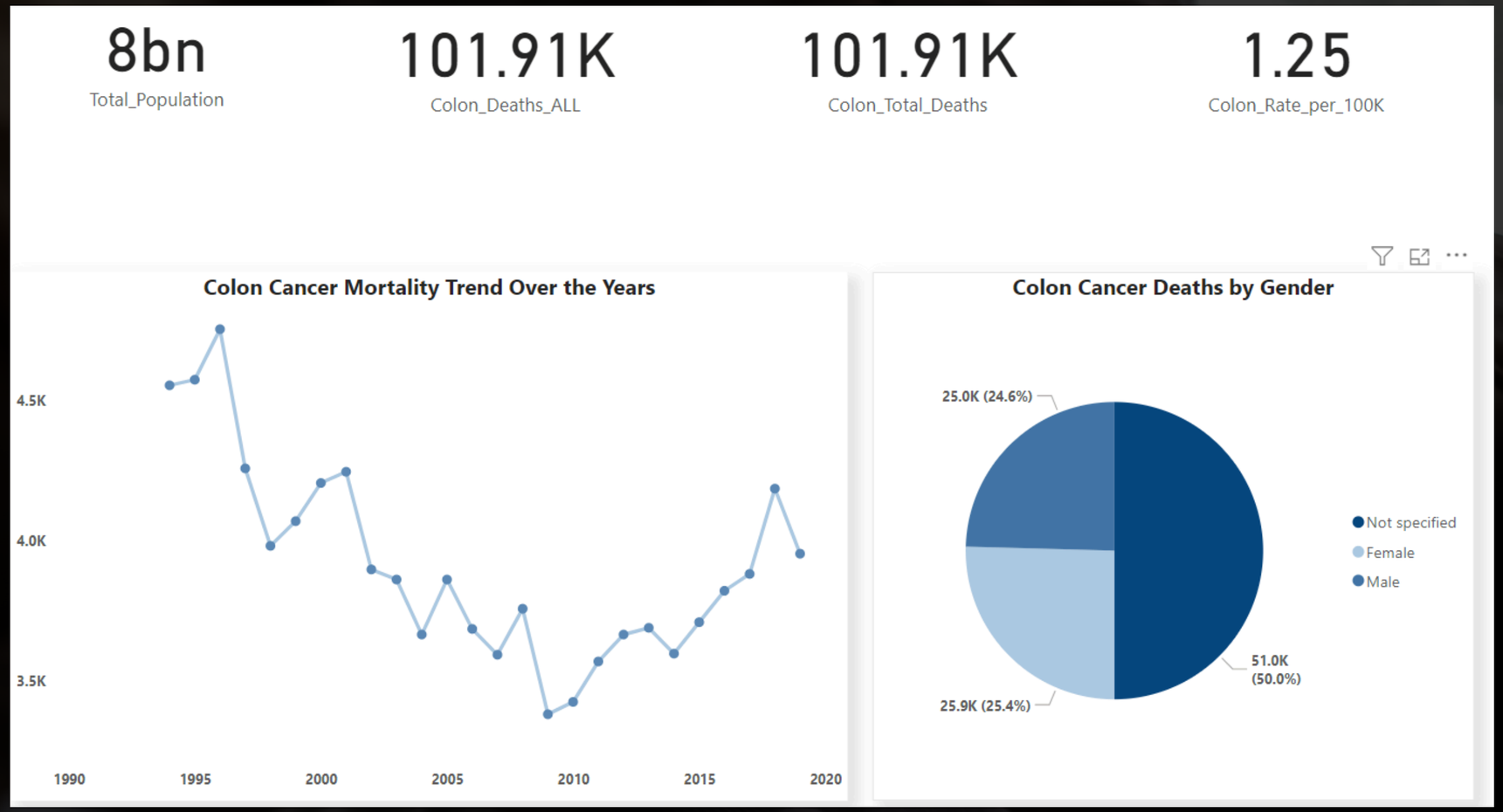


Key Features:

- Retailer Analysis: Visualized total units sold by retailers to identify top-performing partners.
- Monthly Trends: Tracked sales patterns over the year to pinpoint seasonal fluctuations.
- Operating Margin Insights: Highlighted yearly operating margins to support strategic planning.
- Product Category Breakdown: Displayed total price by product to identify revenue drivers.

PROJECTS

Colon Cancer Mortality Dashboard

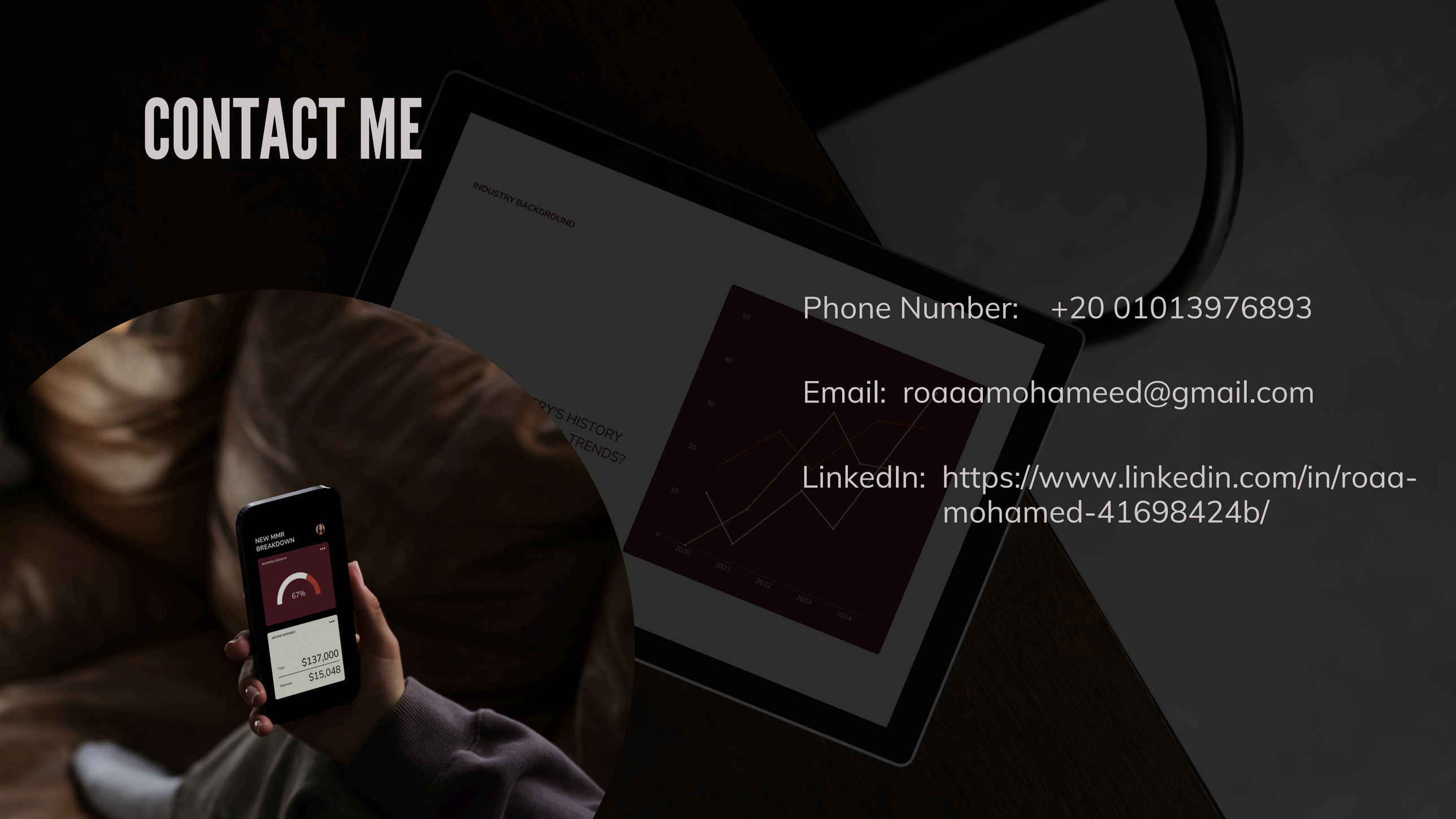


Key Features:

- Trend Analysis: A line chart visualizing colon cancer mortality rates over multiple years, enabling stakeholders to identify patterns and evaluate long-term health strategies.
- Demographic Breakdown: A pie chart illustrating mortality distribution by gender, highlighting gender-specific trends for targeted interventions.
- KPI Metrics:
  - Total Population: Provides the overall population size under analysis for context.
  - Total Deaths: Displays the cumulative number of colon cancer-related deaths.
  - Mortality Rate per 100K: Calculates the standardized mortality rate, offering a clear, comparable metric for analysis.

Interactive Design: Filters and dynamic visuals allow users to drill down into specific demographics, years, or regions for deeper insights.

CONTACT ME



Phone Number: +20 01013976893

Email: roaaamohameed@gmail.com

LinkedIn: https://www.linkedin.com/in/roaa-mohamed-41698424b/

THANK YOU

GROUND

HE INDUSTRY'S HISTORY