

By Janae Weston

Portfolio Presentation

Master of Science in Data
Analyst Student

Data Analyst **PORTFOLIO**

ABOUT ME

Analytical and detail-oriented Data Science graduate student with hands-on experience in data consolidation, validation, and reporting across healthcare and financial service environments. Skilled in Microsoft Excel (PivotTables, VLOOKUP), SQL, and data visualization tools, with a strong foundation in cost accounting concepts, system maintenance, and process improvement.



DATA ANALYST GRADUATE STUDENT

Adept at collaborating with Finance, IT, and clinical teams to optimize data workflows, ensure accuracy, and support decision-making.

By Claudia Silvia

Portfolio Presentation

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Analyst Student

Data Analyst

EDUCATION

EASTERN UNIVERSITY,
2025 - 2026

**Master of Science in Data
Science**
ST. DAVIDS, PA
April 2026

UNIVERSITY OF THE INCARNATE WORD
2020 - 2022

Bachelor of Arts in Sociology
SAN ANTONIO, TX
May 2022



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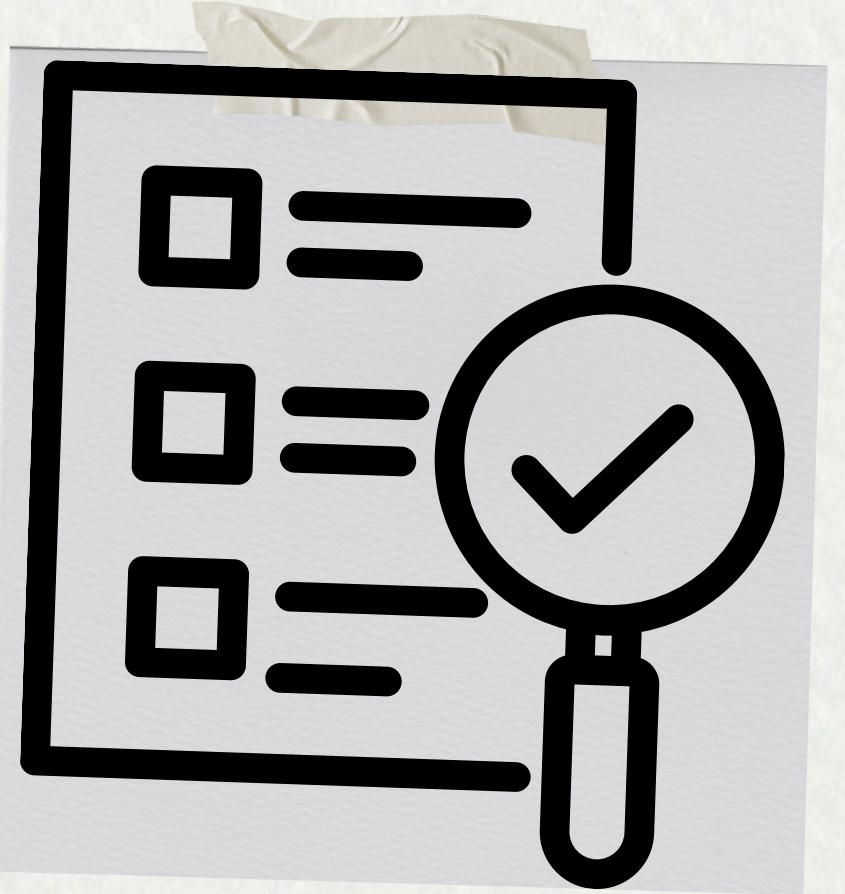
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Programming: (Python, C, C++, R, JAVA, SQL, PHP, CSS, etc.)

Software: (SPSS, MATLAB, SAS, Octave, Business Objects, Arena, Stata, etc.)

Visualization: (Tableau, D3.js, Bokeh, ggplot, Power BI, Minitab, etc.)

Databases: (MySQL, CouchDB, Redis, MongoDB etc.)



Analytical Techniques: (Machine Learning, Regression Analysis, Clustering, etc.)

Other: (Big Data Technologies/Environments, Mobile, Web – Hadoop, Spark, Android etc.)

Tools: Microsoft Excel (PivotTables, VLOOKUP, INDEX-MATCH), Access, Word, PowerPoint,

Systems: Epic, Workday, SAP (familiarity)

Techniques: Data Cleaning, Reconciliation, Validation, Process Improvement

MY SKILLS





EMPLOYMENT

UNITED SERVICES AUTOMOBILE ASSOCIATION (USAA)

BANKING MEMBER CONTACT
REPRESENTATIVE
OCTOBER 2021- DECEMBER 2023

- Tracked, analyzed, and reported customer feedback trends, contributing to a 20% reduction in repeat service issues.
- Utilized CRM and database tools to document, validate, and escalate service-related data for process improvement.
- Partnered with cross-functional teams to streamline workflows and improve operational reporting accuracy.

UNITED SERVICES AUTOMOBILE ASSOCIATION (USAA)

INSURANCE SALES AND SERVICING
DECEMBER 2023- AUGUST 2024

- Managed and updated internal databases and Excel spreadsheets to maintain accuracy and accessibility of organizational data.
- Prepared weekly performance reports using Excel formulas, PivotTables, and data formatting to support business decision-making.
- Coordinated with multiple departments to ensure accurate and timely reporting for operational projects.
- Issued policies and processed transactions while ensuring compliance with financial and operational guidelines.

Data Entry Volunteer

JUNE 2025

Entered, cleaned, and validated donor and event data in Excel, increasing record accuracy by 30%.

PROJECT 01

Excel

- When I first opened the sales dataset, it was messy—dates were inconsistent, duplicates existed, and key fields weren't standardized. My first step was to clean and prepare the data, ensuring every transaction was accurate and ready for analysis.
- With the cleaned dataset, I explored the numbers using pivot tables and created visual dashboards to track performance by region, product category, and sales channel. Patterns began to emerge: the East region was the clear revenue leader, electronics dominated both in sales volume and profitability, and online sales showed steady month-over-month growth—especially in Q4, hinting at strong seasonal demand.
- By the end of the project, I had transformed raw sales transactions into actionable business insights, revealing where the company was excelling and where strategic focus could drive even greater growth.

PROJECT 01

Excel

Using a retail sales dataset, I cleaned and structured transactional data to ensure accuracy, removed duplicates, standardized date formats, and created calculated fields for monthly trends. I built interactive pivot tables to analyze total sales by region, product category, and sales channel, and visualized results with bar and line charts.

Key findings: The East region generated the highest revenue, online sales grew steadily month-over-month, and electronics outperformed other categories in both sales volume and revenue. This analysis provided clear insights into regional performance, seasonal trends, and product profitability.

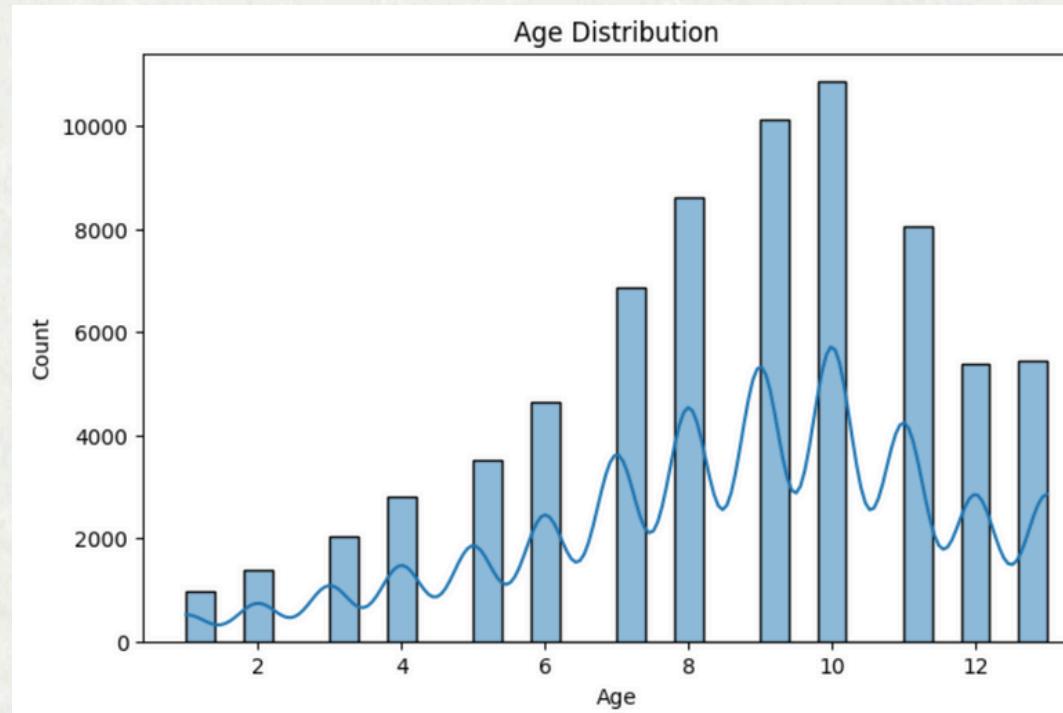




PROJECT 02

PYTHON

This Python analysis confirms known clinical patterns — higher glucose, higher BMI, and older age are key risk factors. This cleaned and analyzed dataset is now ready for use in predictive modeling or further statistical testing.



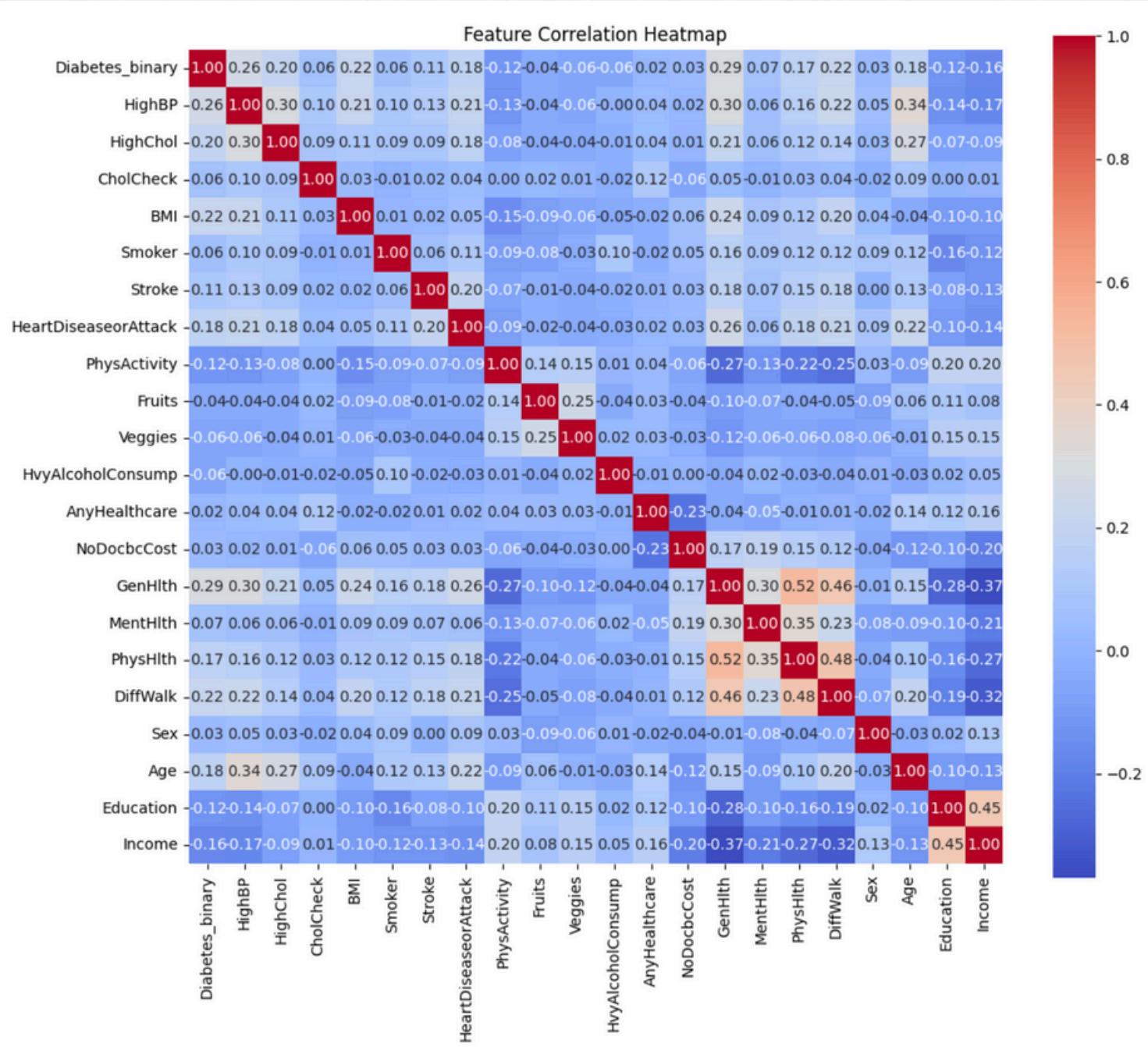
I analyzed a medical dataset containing patient demographics, health metrics, and diabetes diagnoses. After cleaning missing values and standardizing numerical fields, I explored patterns in glucose levels, BMI, age, and blood pressure. Visualizations revealed that higher glucose and BMI values were strongly associated with positive diabetes diagnoses, while younger patients had a lower prevalence rate. This analysis highlighted key health indicators that could help in early detection and prevention strategies

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PROJECT 02

PYTHON



Correlation Heatmap revealed strong positive relationships between certain cholesterol-related variables, suggesting some redundancy that could be reduced during feature selection.

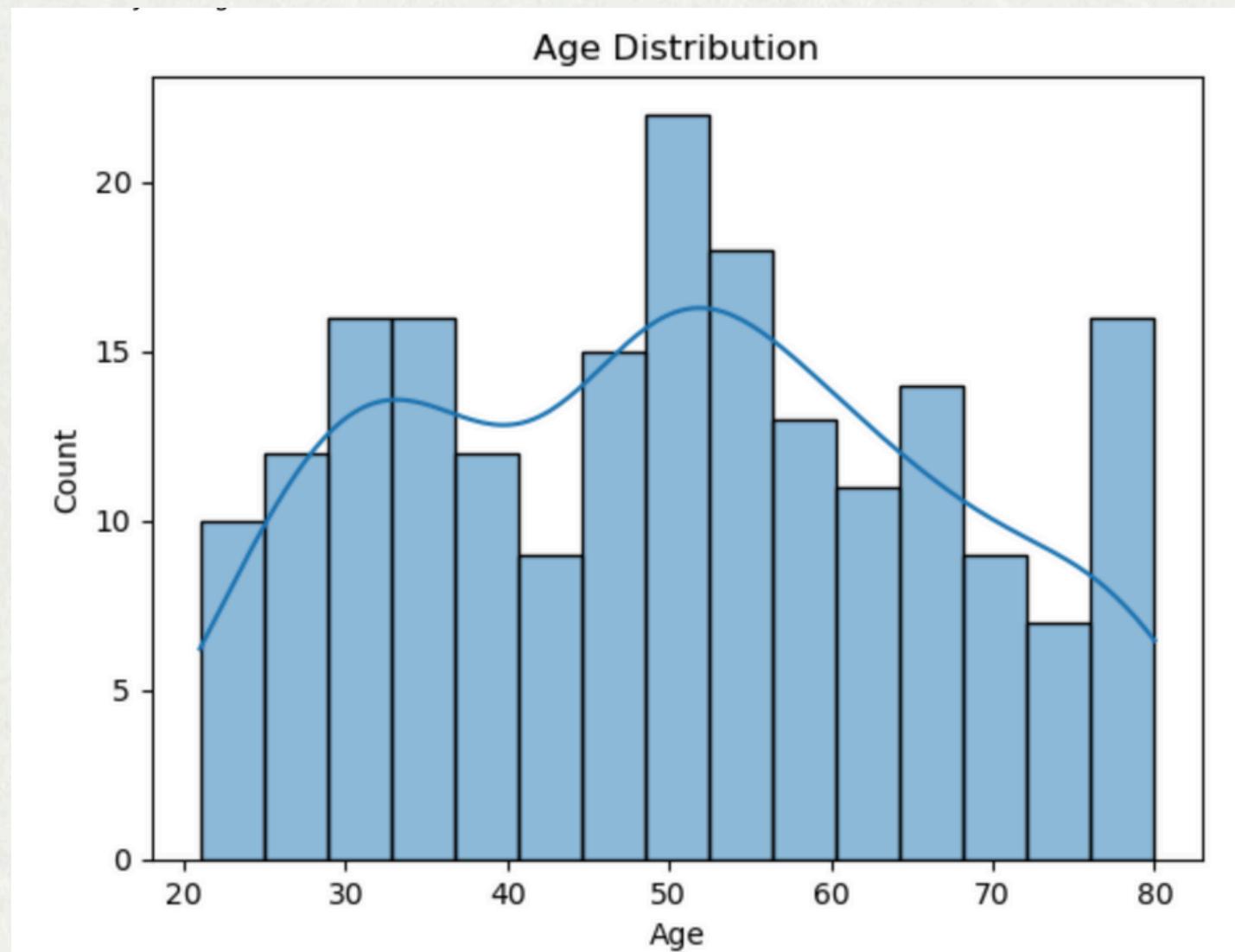
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PROJECT 02

PYTHON



Class Imbalance: Bar charts of diabetes status indicated more individuals without diabetes than with, highlighting the need for balanced sampling in modeling.

Feature Patterns: Higher glucose, cholesterol issues, and BMI tended to appear together in diabetic cases, supporting the use of these variables for predictive modeling.

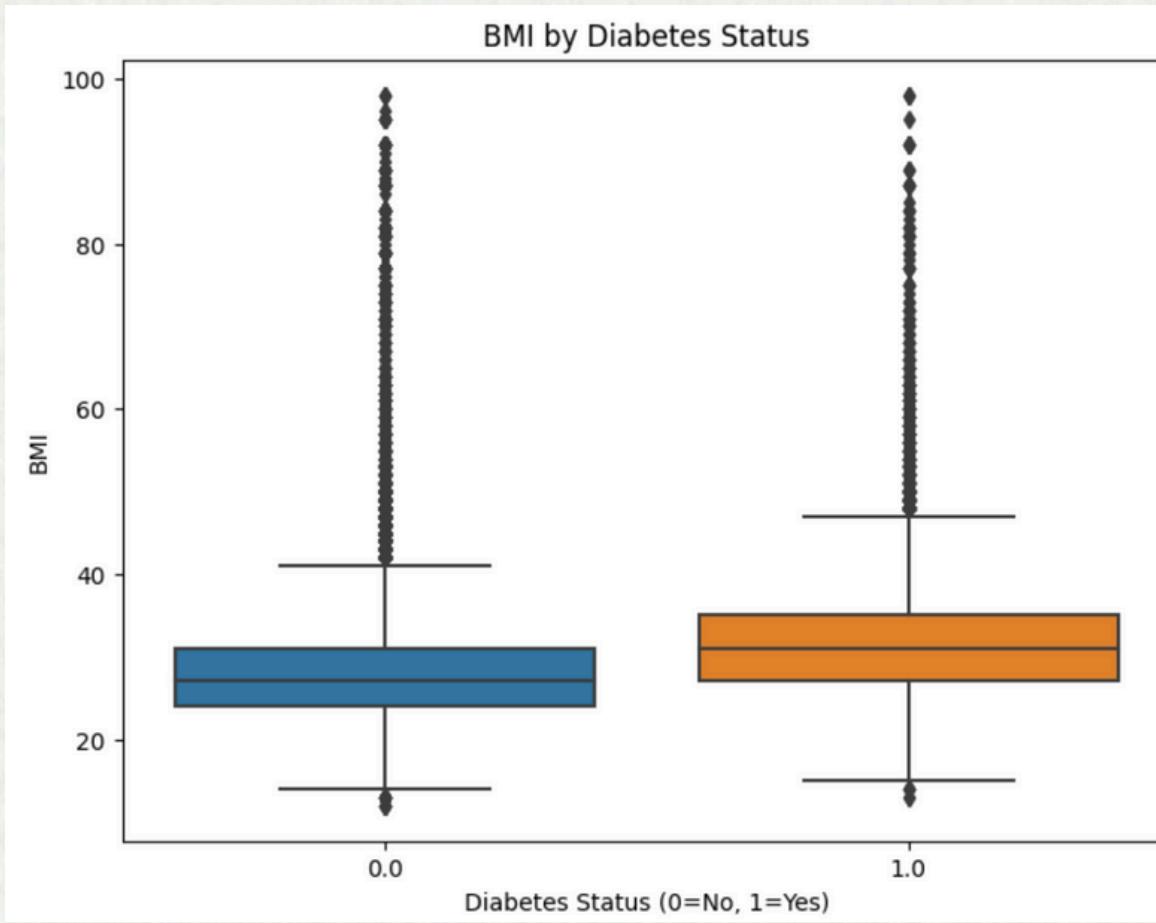
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PROJECT 02

PYTHON



BMI and Diabetes: Boxplots showed that individuals with diabetes generally had a higher median BMI, aligning with known medical risk factors.

Age Distribution: Most participants fell into middle-aged and older adult ranges, with some skew toward older ages in the diabetic group.

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PROJECT 02

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Overall Conclusion:

The analysis confirmed strong associations between certain health factors—especially BMI, cholesterol, and glucose levels—and diabetes prevalence. These findings can inform early intervention strategies and guide predictive model feature selection.

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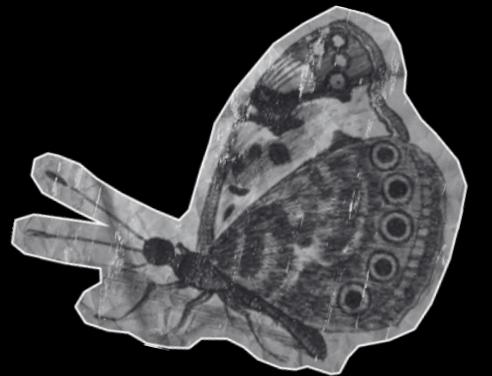
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LET'S *York* TOGETHER

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Thanks for
WATCHING

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