Data-Driven Insights for Stategic Decision Making

Part 1



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OUTLINE



- Executive Summary
- Introduction
- Methodology
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 - Visualization Charts
 - Dashboard
- Discussion
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- Conclusion
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EXECUTIVE SUMMARY



- Project Goal:
- Key Findings:
 - Identified critical data sources
 - Applied advanced analytics
 - Revaled decision-making gaps
- Data Highlights:
- Impact:
- Conclusion



INTRODUCTION



- Project Background
- Problem Statement
- Objectives of the study
- Scope of the Work
 - Data sources and time frame
 - Key focus areas

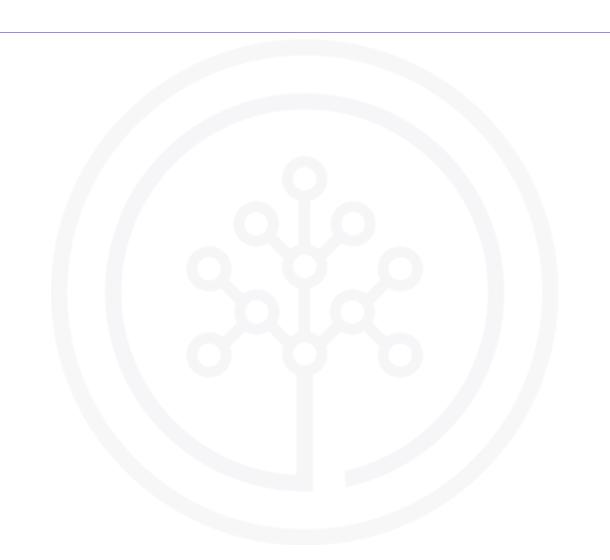
METHODOLOGY



- Data Collection
- Data Cleaning and Preparation
- Analytical Techniques
- Tools used:
 - Python(Matplotlib, Pandas
 - Excel and Tableau for visualization



RESULTS





PROGRAMMING LANGUAGE TRENDS

Current Year

<Bar chart of top 10 programming
languages for the current year goes
here.>

Next Year

< Bar chart of top 10 programming
languages for the next year goes
here.>



PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

- Python
- Javascript
- Java

Implications

- Upskilling
- Enterprise projects
- Curriculum updates

DATABASE TRENDS

Current Year

< Bar chart of top 10 databases for the current year goes here >

Next Year

< Bar chart of top 10 databases for the next year goes here.>





DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- Postgre SQL
- NoSQL
- Cloud-native and scalable
- databases

Implications

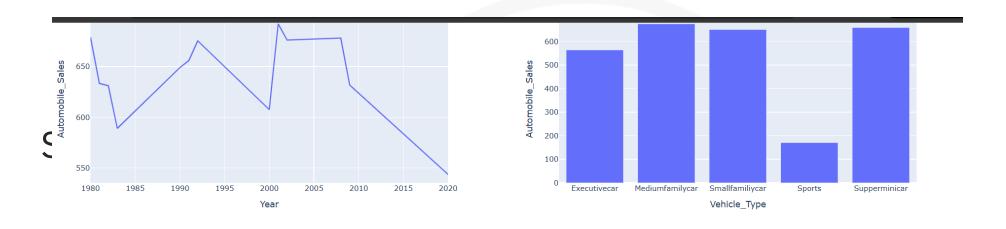
- Organizations
- Developers
- Startups and agile teams

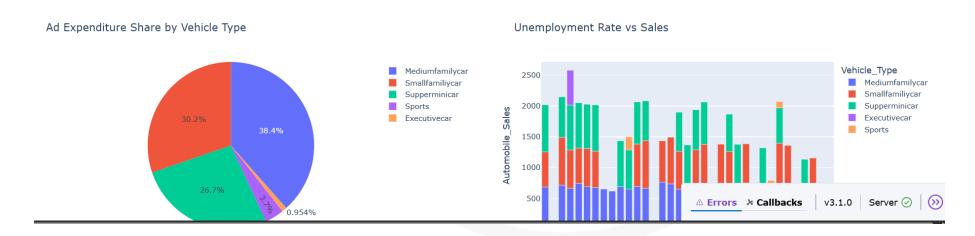
DASHBOARD



https://github.com/Sejal0404/Cognos-Looker-Studio-dashboard

DASHBOARD TAB 1









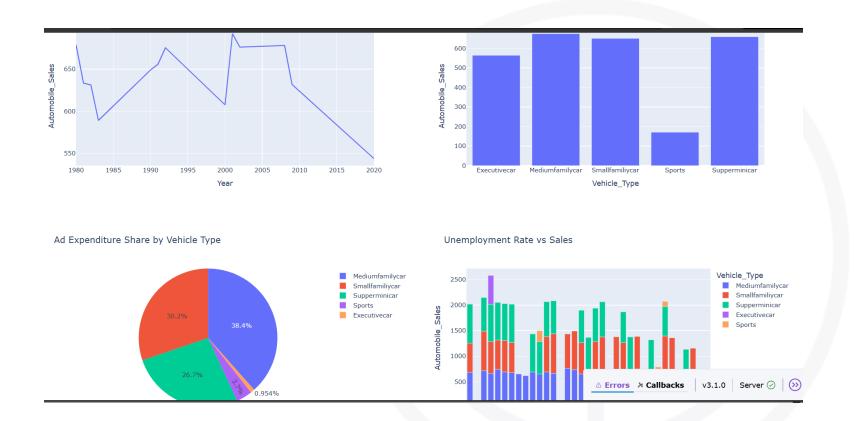
DASHBOARD TAB 2







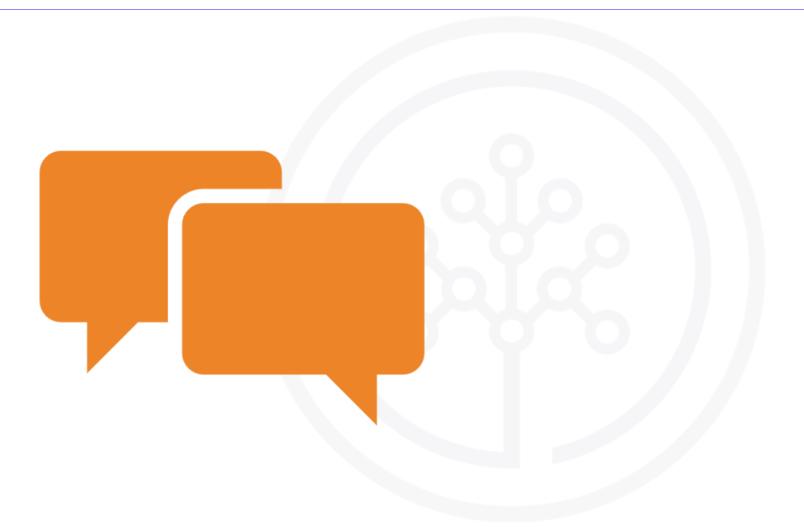
DASHBOARD TAB 3







DISCUSSION







OVERALL FINDINGS & IMPLICATIONS

Findings

- High Demand for Dashboard
- And Communication Skills
- Cross-functional Skills are Valued
- Business Impact and Insight
- Generation Are Key

Implications

- Interactive dashboards
- Complete pipeline
- Can impact business goals

CONCLUSION



- End-to-End Data Science Workflow Demostrated
- Effective Communication Through Inetractive Dashboards
- Relevant and Transferable Skills for Industry Roles
- Helps to maximize workflow and improved decision making

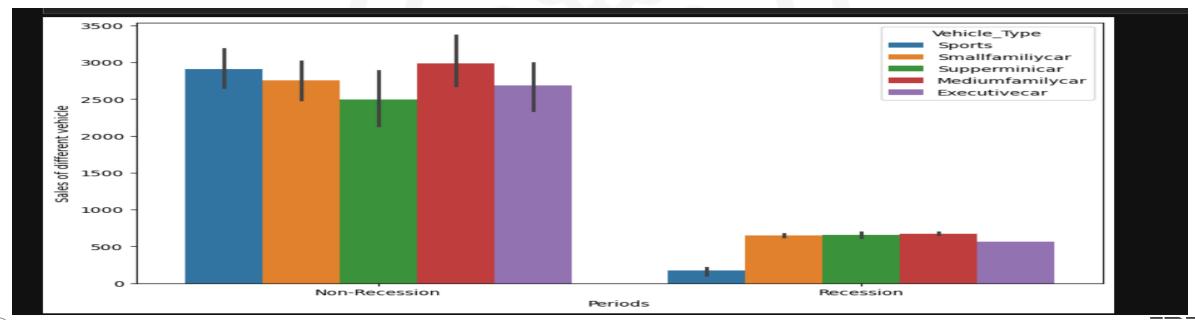
APPENDIX



 Include any relevant additional charts, or tables that you may have created during the analysis phase.

JOB POSTINGS

In Module 1 you have collected the job posting data using Job API in a file named "job-postings.xlsx". Present that data using a bar chart here. Order the bar chart in the descending order of the number of job postings.



POPULAR LANGUAGES

In Module 1 you have collected the job postings data using web scraping in a file named "popular-languages.csv". Present that data using a bar chart here. Order the bar chart in the descending order of salary.

