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PeiHan, Lin

I am PEI HAN, LIN, graduated with Master of software engineering. I'm passionate about software development and data analysis. I usually work with Python and SQL, and have basic skills in PowerBI for data analysis and report generation.

During my studies, I participated in an internship project, the project was to process a porting task, and mobile application development by Flutter, I have learned a lot in this project ex. work with git, docker, testing, project structure, and readable coding. These experiences have taught me how to work as a software developer.

I am keen on exploring new technologies and hope to use my knowledge in software development, data analysis, or related fields in the future.

EDUCATION

Charles Darwin University, NT Australia

Master of Software Engineering

Certification

SQL Essential Training <https://lnkd.in/eWBAm73T>

Learning SQL Programming <https://lnkd.in/dSv9AKQF>

SQL: Data Reporting and Analysis <https://lnkd.in/esC7tMhY>

SQL for Data Analysis https://lnkd.in/ejq_V7QR

Power BI Essential Training <https://lnkd.in/eMUqiJsk>

SKILLS

Software Developing: Python(data analysis, testing, application development)

Data analysis: Processing analysis with Python (NumPy, Pandas)

Data Visualization: Creating visualizations with Python (Matplotlib, Seaborn, and Plotly)

Reporting: using Power BI to create interactive dashboards and visual reports for data-driven decision-making.

Tools

Python: Basic syntax, data analysis tools such as NumPy, Pandas, Matplotlib, Seaborn, and Plotly, model fitting

SQL: Basic knowledge of query databas

Power BI service: Data analysis, data visualization

Power BI desktop: Basic knowledge of data transformation

Docker: Basic knowledge with actual practice

EXPERIENCE

Internship (Company: Smart-Mind <https://www.smart-minds.io/en/>):

Developed a porting task that ports an S2 geometry library of Javascript version into Dart version, imported this package in a flutter demo project, uploaded the package on pub.dev as a open source

Academic Project

Hello World visualize projects

Tools:

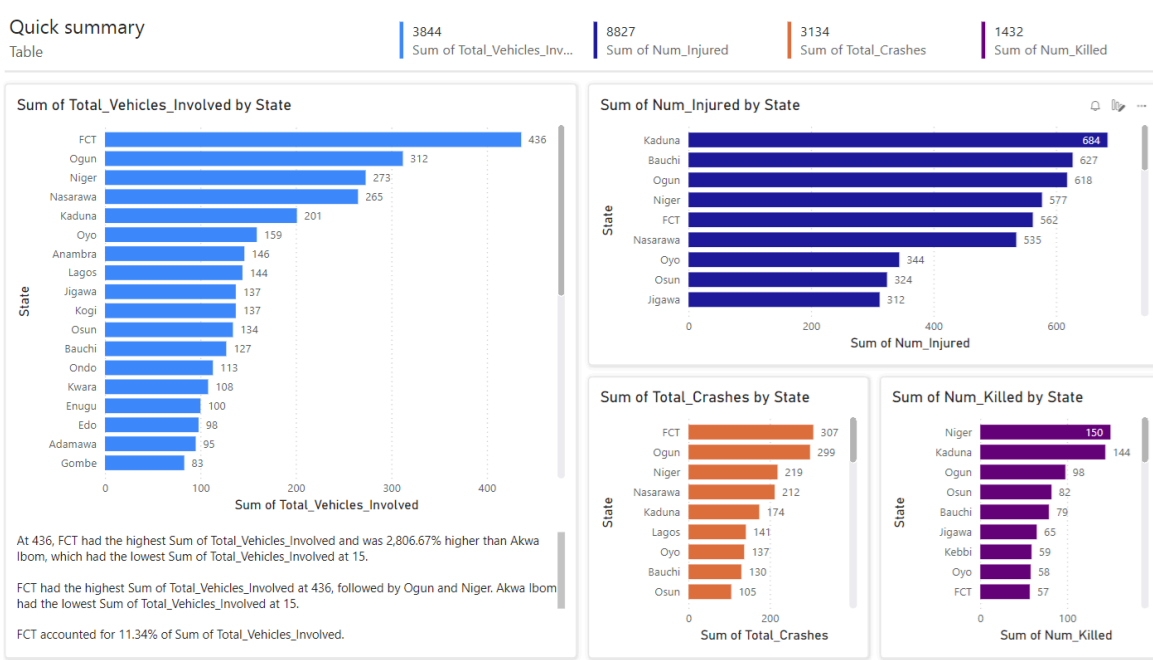
- Power BI:** An interactive data visualization tool from Microsoft
- Tableau:** A leading data visualization software known for its flexibility
- Google Looker Studio:** A cloud-based data visualization tool by Google

Database: Nigerian Traffic Crashes (2020–2024)

Description: This project involves visualizing data on Nigerian traffic crashes from 2020 using three different data visualization tools: Power BI, Tableau, and Google Looker Studio. The objective is to create intuitive, engaging, and insightful visualizations that present key findings, trends, and patterns within the dataset, using a simple dataset structure to convey meaningful insights about traffic incidents in Nigeria.

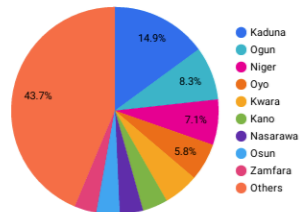
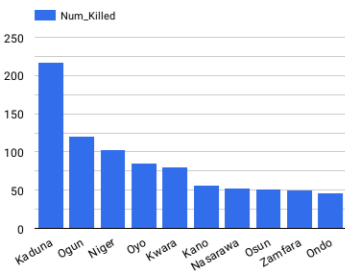
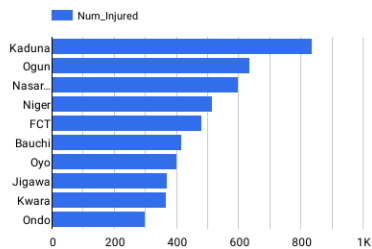
Outcome:

Power BI:



TableauA:

State		Num_Inj...	State	Num_Kil...	State	Total_V...
1.	Akwa Ibom	32	1.	Akwa Ibom	10	17
2.	Bauchi	418	2.	Bauchi	46	112
3.	Bayelsa	19	3.	Bayelsa	3	10
4.	Benue	170	4.	Benue	19	69
5.	Cross River	74	5.	Cross River	5	34
6.	Delta	136	6.	Delta	16	72
7.	Ebonyi	82	7.	Ebonyi	15	35
8.	Edo	154	8.	Edo	34	81
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Google Looker Studio:

