WEBSITE TRAFFIC

TRAFFIC ANALYSIS

DEVELOPMENT WITH PYTHON LIBRARIES

AGENDA

- Introduction
- Python
- Its libraries
- Data visualization
- Program code
- Conclusion

introduction

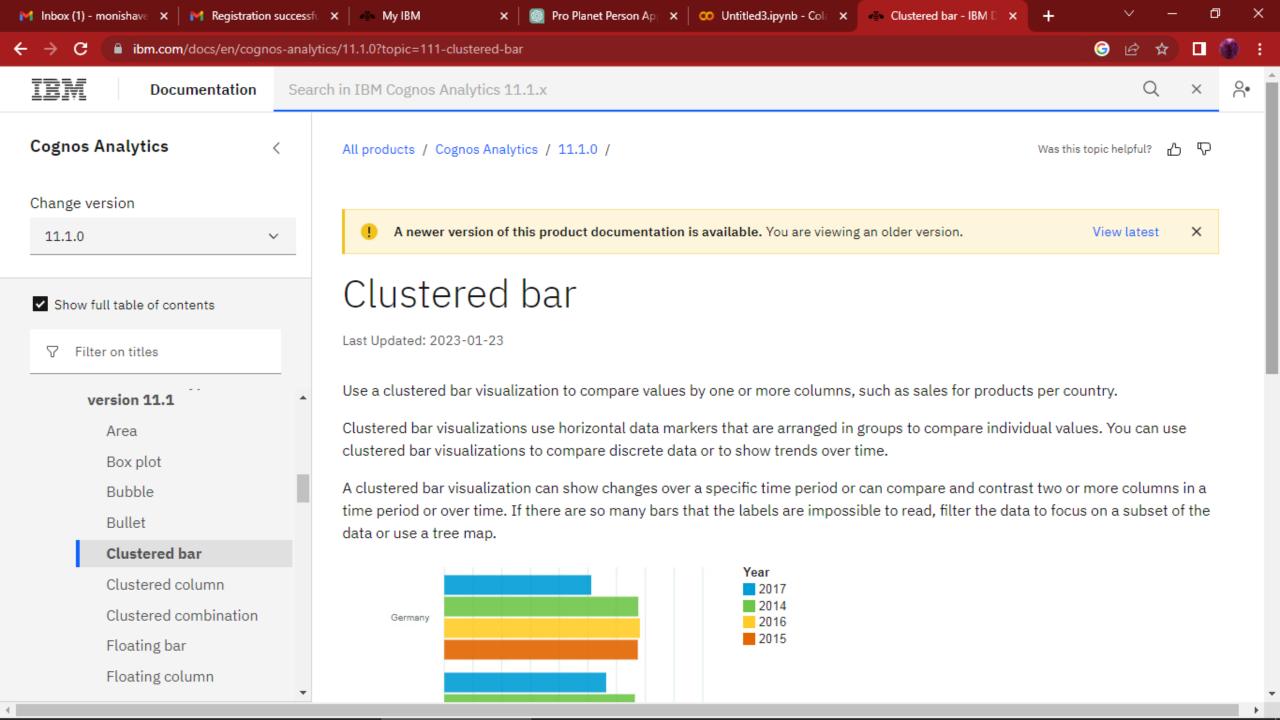
• Website traffic analysis is the process of evaluating and understanding the interactions and behaviors of visitors to a website. It provides valuable insights into how users engage with a website, what content they find most appealing, and how they navigate through the site. This information is essential for website owners and digital marketers, as it helps optimize the website, improve user experience, and achieve specific goals such as increasing conversion rates, driving more traffic, or boosting online revenue.

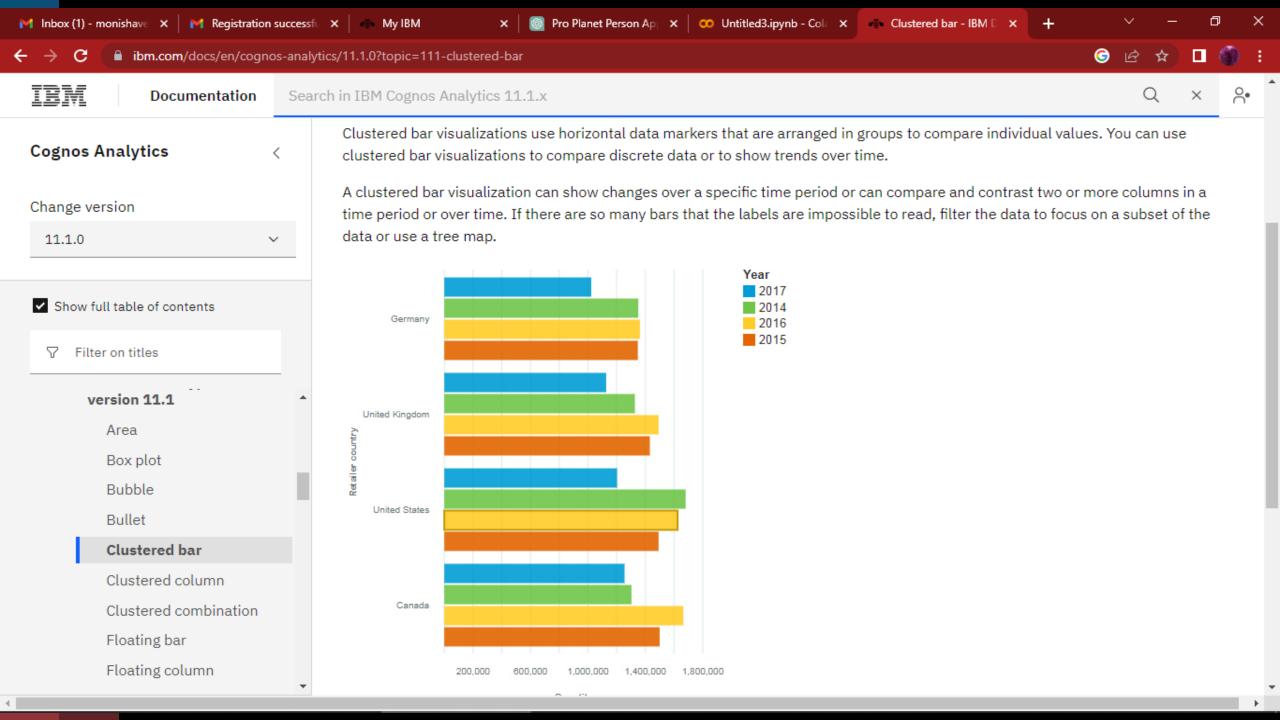
Python

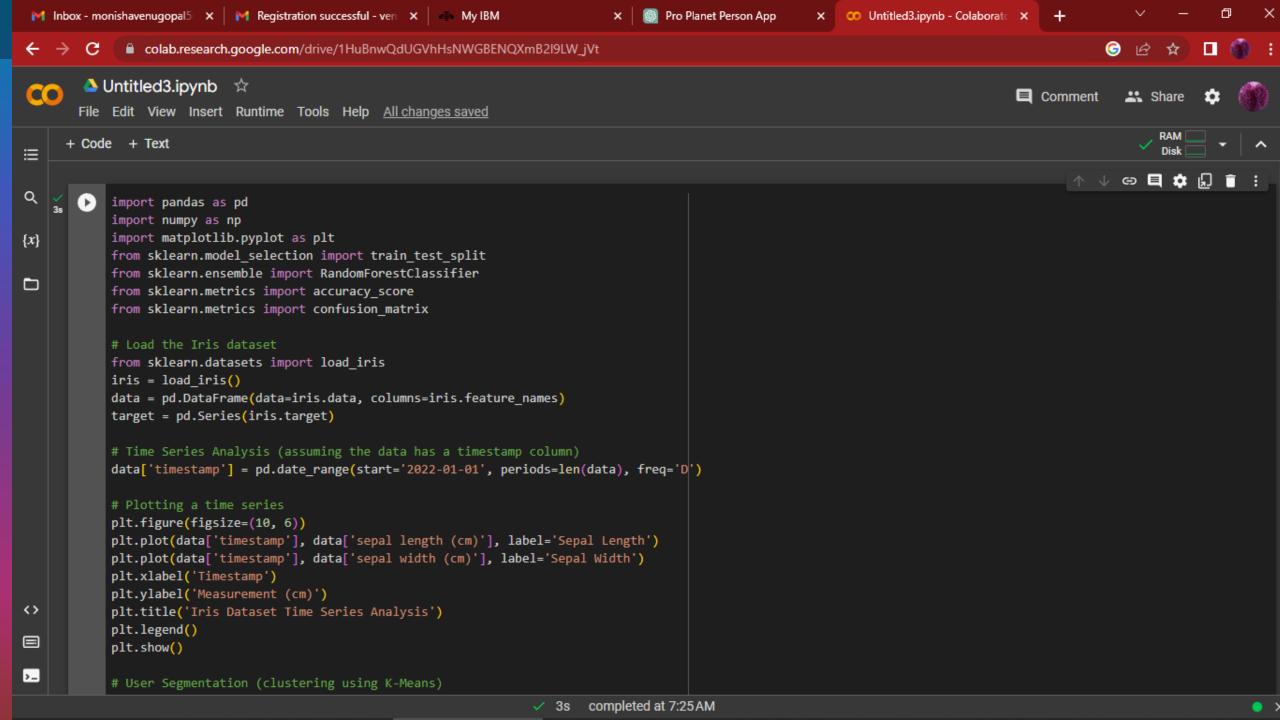
 Python is a high-level, versatile, and widely-used programming language known for its readability and ease of use. It was created by Guido van Rossum and first released in 1991. Python is an interpreted language, which means that you can write and execute code directly without the need for compilation.

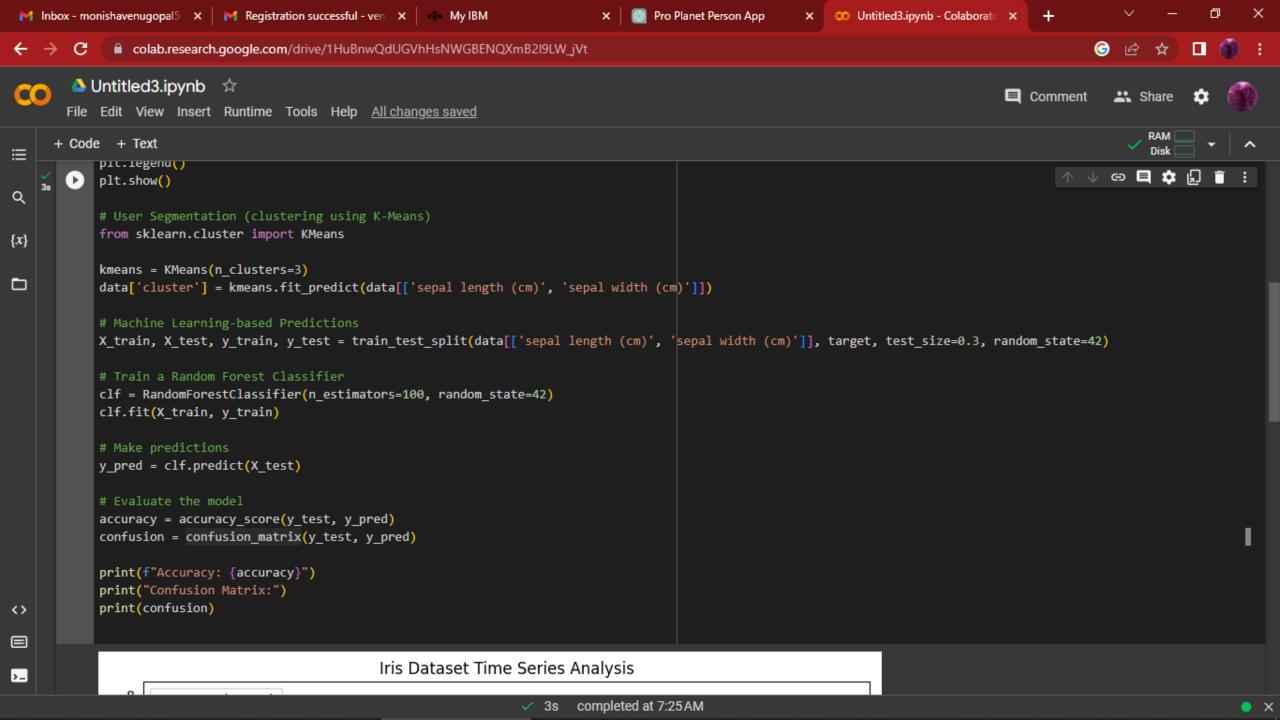
LIBRARIES

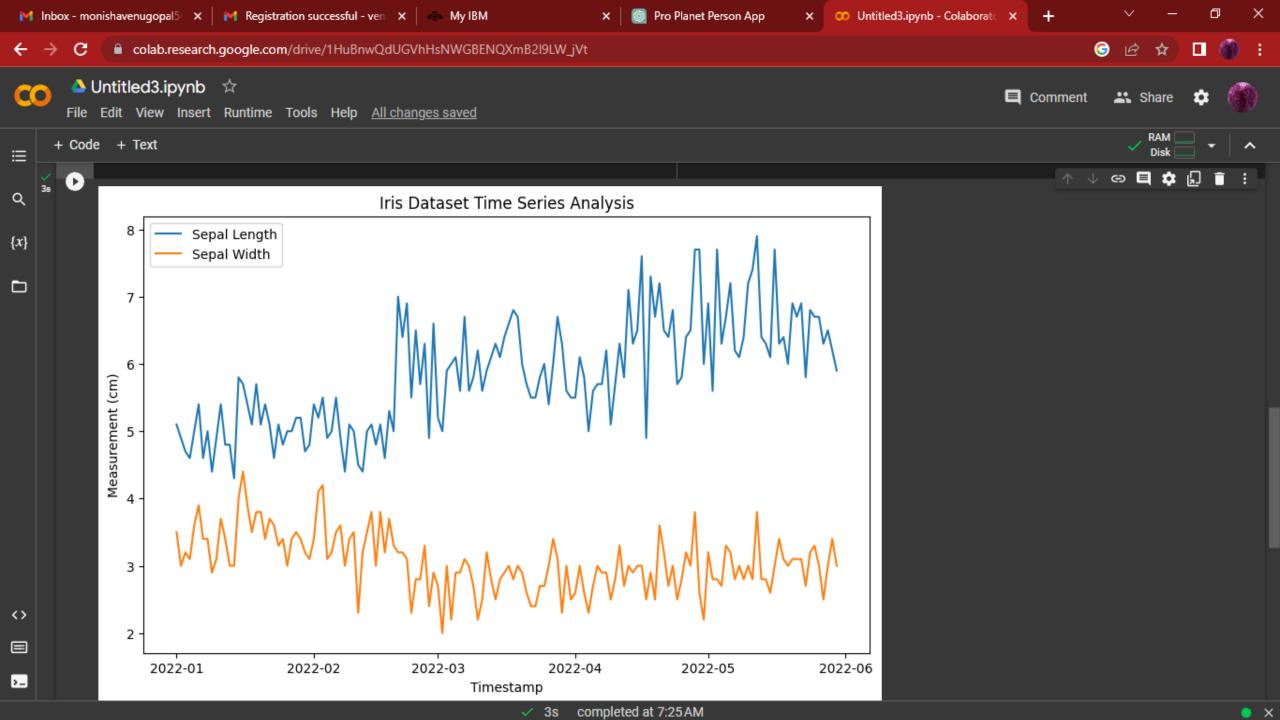
 NumPy, pandas, Matplotlib, Seaborn, Scikit-Learn, TensorFlow, PyTorch, Keras, NLTK, Requests, Django, Flask, SQLAlchemy, Beautiful Soup, OpenCV, SciPy, NetworkX, Pillow, Statsmodels, SymPy.











CONCLUSION

• In conclusion, Python libraries like Pandas and Matplotlib offer powerful tools for conducting in-depth analyses of data, allowing us to uncover valuable insights and make informed decisions. Through time series analysis, we can understand trends and patterns in our data over time, enabling us to anticipate future developments. User segmentation helps us tailor our strategies to different user groups, optimizing the user experience and achieving our business objectives