FROM DATA COLLECTION TO INSIGHTS:
A COMPLETE AI, BI, & ENGINEERING WORKFLOW

EXAMPLE : DAILY NEWS HEADLINE SENTIMENT BY CATEGORY/TOPIC

DATA ENGINEERING PIPELINES

LINK TO ENGINEERING CODE

-Create pipelines for data from any API, database, website, CRM, email, or anything to wherever it needs to be.

- Collects all new headlines from NewsAPI.com every morning and puts them in Google Big Query cloud storage

Google Cloud Functions

News API → Google Big Query

DATA SCIENCE AI/ML

LINK TO AI/ML CODE

-Turn raw data into smart decisions. Extract insights, predict outcomes, and drive real-time adaptability.

- Applies sentiment analysis using Python in a Jupyter Notebook hosted in Google Vertex then pushed results back to Big Query
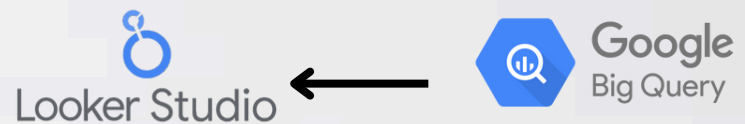
jupyter   python   Vertex AI

DATA VISULIZATION BUSINESS INTELLIGENCE

LINK TO LOOKER DASHBOARD

-Build automated, interactive reports that update dynamically. Base decisions on live data, not yesterday's trends.

- Created dynamic dashboard visualization in Looker that automatically updates through a live SQL connection to Big Query

Looker Studio ← Google Big Query

LINK TO PROJECT DOCUMENTATION

ALTERNATE TOOLS AND TECH STACKS IN MY PORTFOLIO

Azure Functions   AWS Glue | Azure Machine Learning   AWS SageMaker | Power BI   tableau

Microsoft Azure   aws