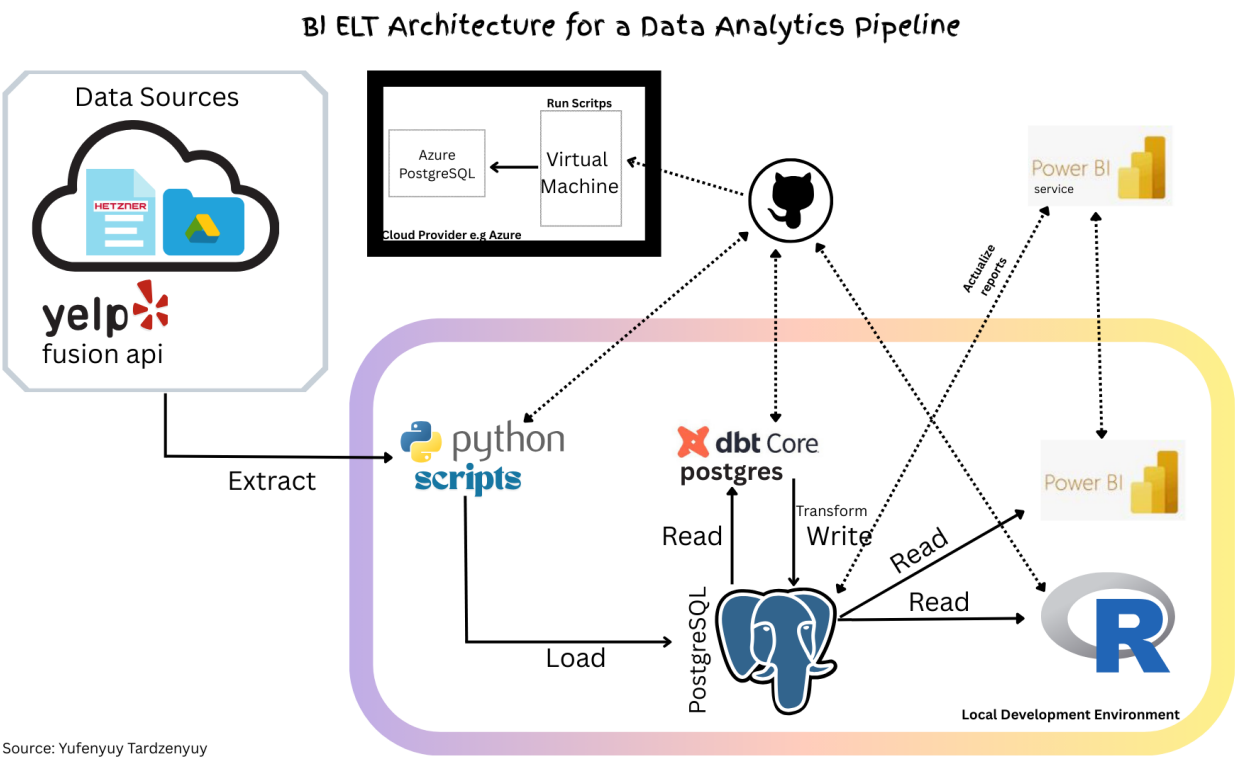


Business Intelligence Portfolio – Emmanuel Yufenyuy

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This repository consolidates all the components of my end-to-end Business Intelligence portfolio, built to demonstrate the implementation of a possible **Extract-Load-Transform and Analyse** Architecture in an organizational context. The key components of this architecture are: data integration, transformation & modeling, and storytelling. It also highlights the possibility of automating the entire process.

The BI ELT Architecture to be implemented is shown on the following image!.



Projects Overview

Phase	Title	Description
1	Data Integration	Data integration from Yelp API, Google Drive, and Hetzner storage-box into PostgreSQL with Python.
2	Data Transformation & Modeling	Raw data transforming and modeling with SQL (flavour PostgreSQL) and dbt-postgresql adapter.
3	Data Analysis in Power BI	Data Analysis of Yelp Business reviews with Power BI.

Phase	Title	Description
3	Data Analysis in R	Data Analysis of a fictive <i>Local Bakery in Paderborn</i> production data in R. Example univariate time series forecasting of most produced product. The most produced product should also be understood as the most sold product.
4	Project Reports and Course Summaries	Summaries & reports from BI-related master's courses.