**Project Overview**

* **I didn’t have time lots of time to create my presentations so I will tell you briefly some general details using this short presentation and then show you my end result and tell you what is capable**
* **The Project was about analyzing supplier delivery performance using order and delivery data from our own company.**
* **Goal was to identify delivery trends, reliable suppliers, and get to know the dataset better and explore what more we can make out of this data**
* **Dashboard will be deployed in actual company operations**

**Implementation Details**

* **Loaded and cleaned purchase orders and delivery logs**
* **Applied type conversions, normalized dates, and filtered data**
* **Calculated expected vs actual delivery dates, flagged full deliveries so I added some columns that where made up from others**
* **Integrated insights into a Streamlit dashboard**

**Challenges**

* **At the beginning I wasted a decent amount of time finding the relation between order lines and what connects them together to make the order entity, only to find out that I didn’t get the full dataset. hehe**
* **Columns where most of the times not that descriptive so I also spend a decent amount of time figuring this out first. And at first made it hard to find relations and relations in it**
* **Considering the course; Not loosing myself in the coding to eventually have to little time for the presentation hehe**

**Tools and Technologies**

* **Python and pandas for processing, transforming, and cleaning data**
* **Streamlit for frontend/dashboard**
* **Plotly for interactive charts**
* **Chi-Square tests to analyze staff-related delivery performance**

**Application Demo**