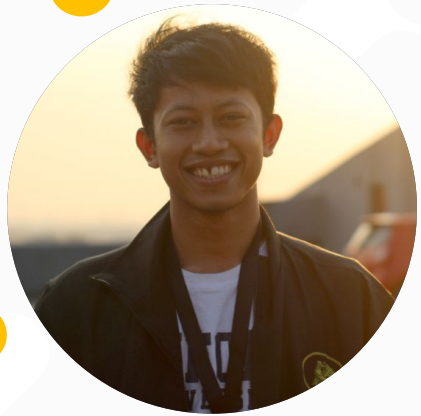


Introduction BI

linkedin :https://www.linkedin.com/in/ali-murtadho

telegram : t.me/alimurtadho_id

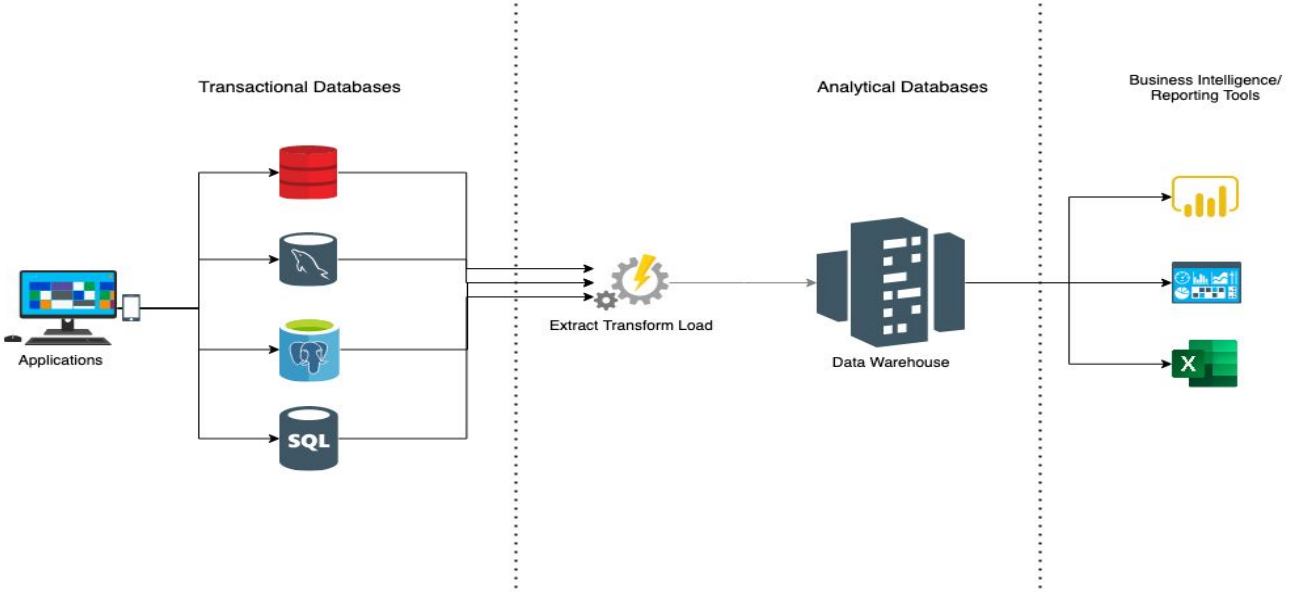
github : @alimurtadho

medium : medium.com/@dho_aldho

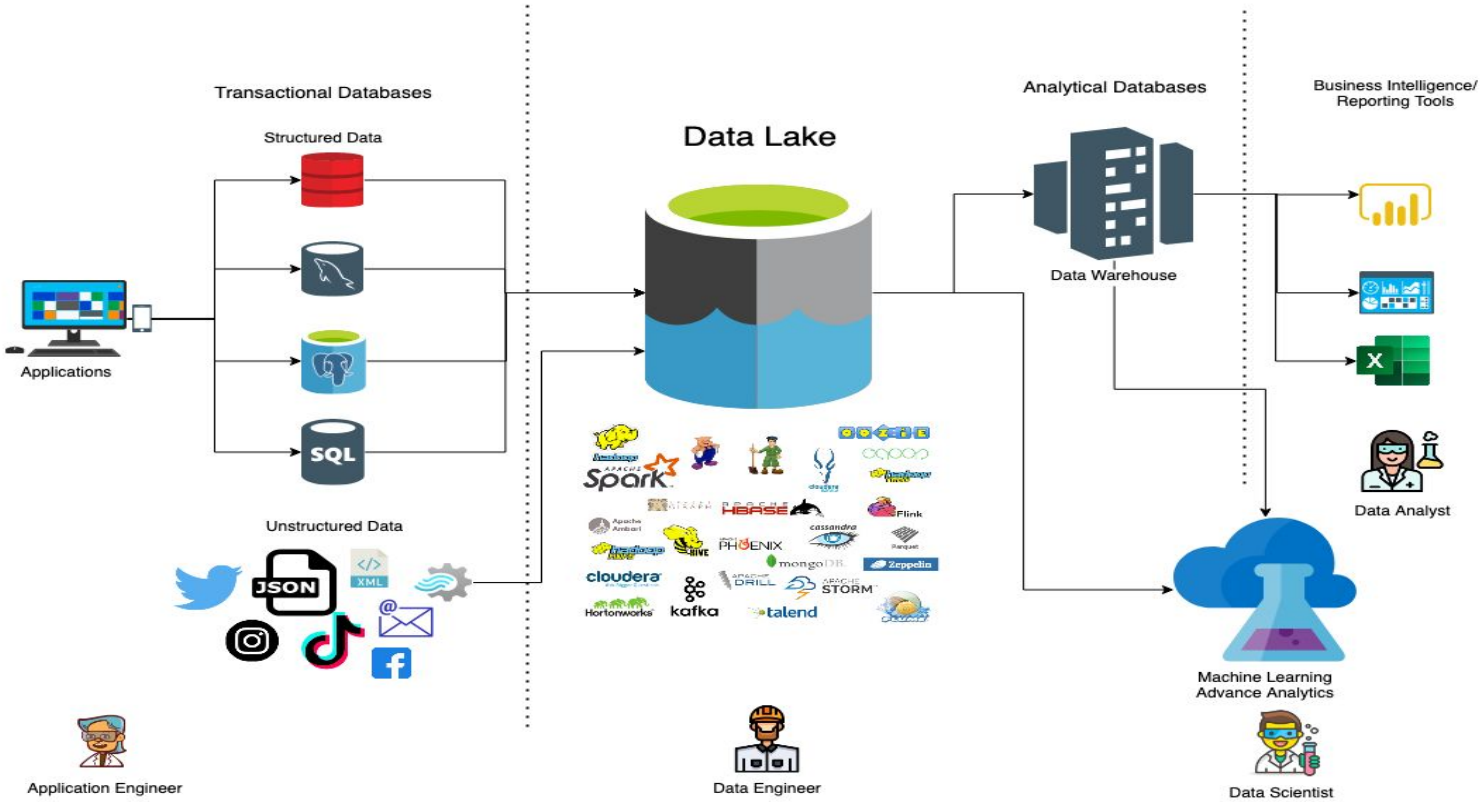
© 2018 **Slidefabric.com** All rights reserved.

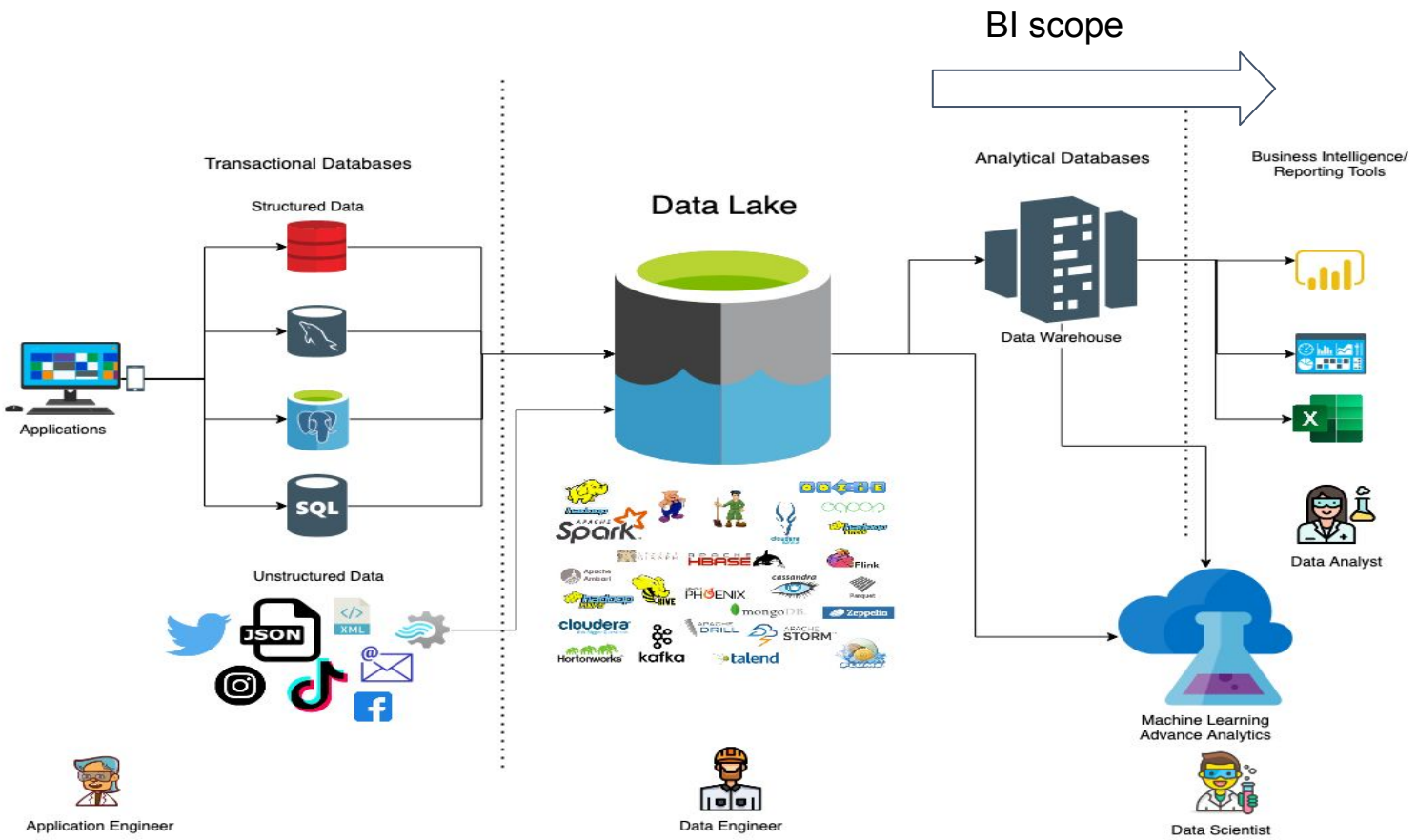
© 2018 **Slidefabric.com** All rights reserved.

[traditional data journey 1.1]



[modern data journey 1.2]




BI scope
Transactional Databases
Structured Data
Applications
SQL
Unstructured Data
JSON
XML
Data Lake
Analytical Databases
Data Warehouse
Business Intelligence/
Reporting Tools
Data Analyst
Machine Learning
Advance Analytics
Application Engineer
Data Engineer
Data Scientist

Example template BRD:

brd link contoh

© 2018 **Slidefabric.com** All rights reserved.

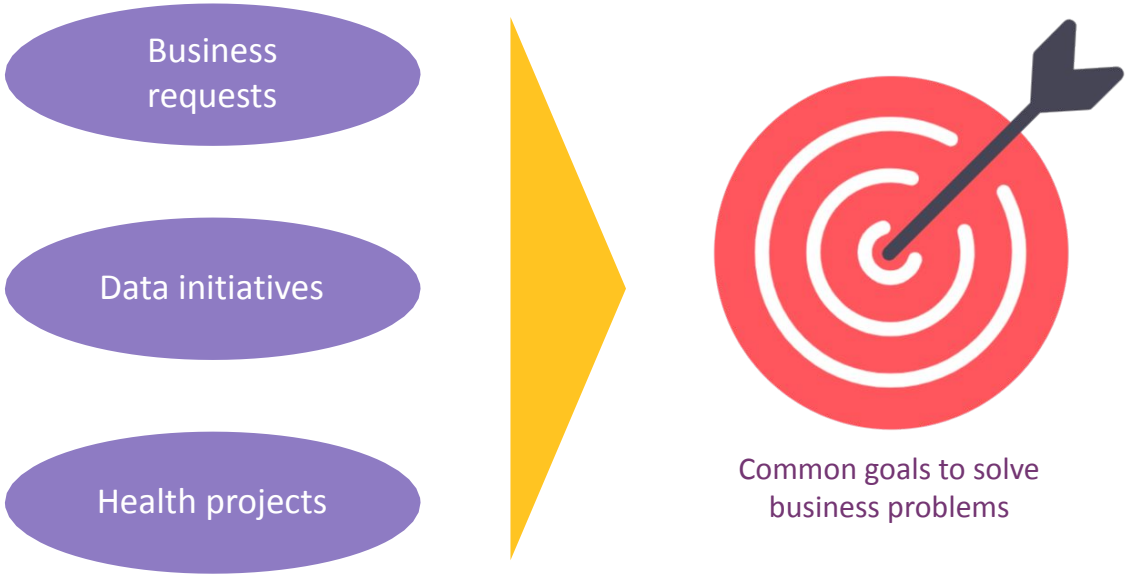
What is Business Intelligence?

A set of systems, technologies, services, processes and activities that transforms data to meaningful information to support business decision-making.

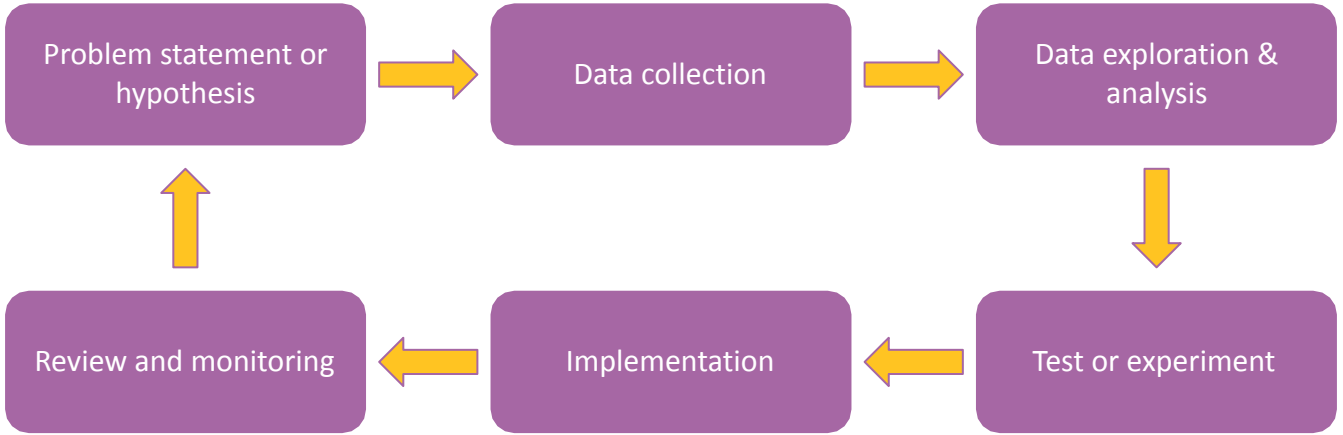
Why Business Intelligence?

- Organizations have a lot of data.
- Data has a huge potential in improving business processes, formulate strategies, increase customer satisfaction, and gain profit.
- Business teams do not have enough resources to gather, process, or analyze data.

It starts with a problem …



Continuous Improvement Loop



BI & Analytics Tools

Data Collection

and many more...

BI & Analytics Tools

Data Warehouse

and many more...

BI & Analytics Tools

Data Transformation & ETL

and many more...

BI & Analytics Tools

Data Analysis (data crunching)

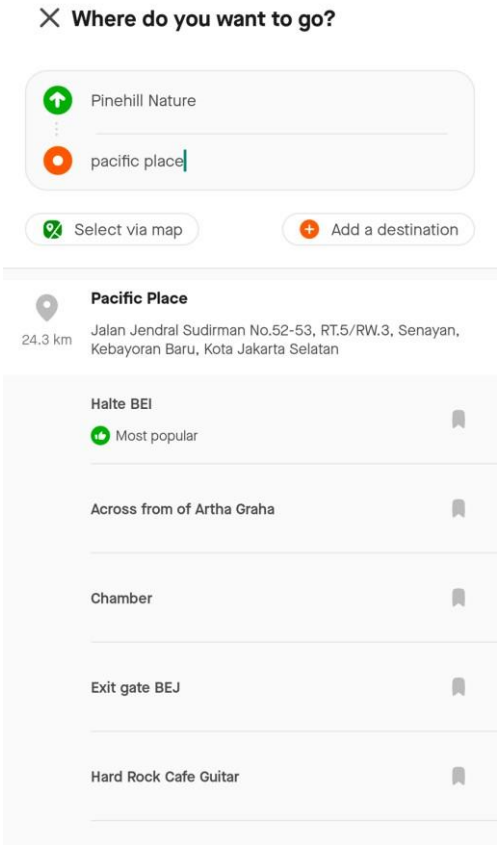
and many more…

BI & Analytics Tools

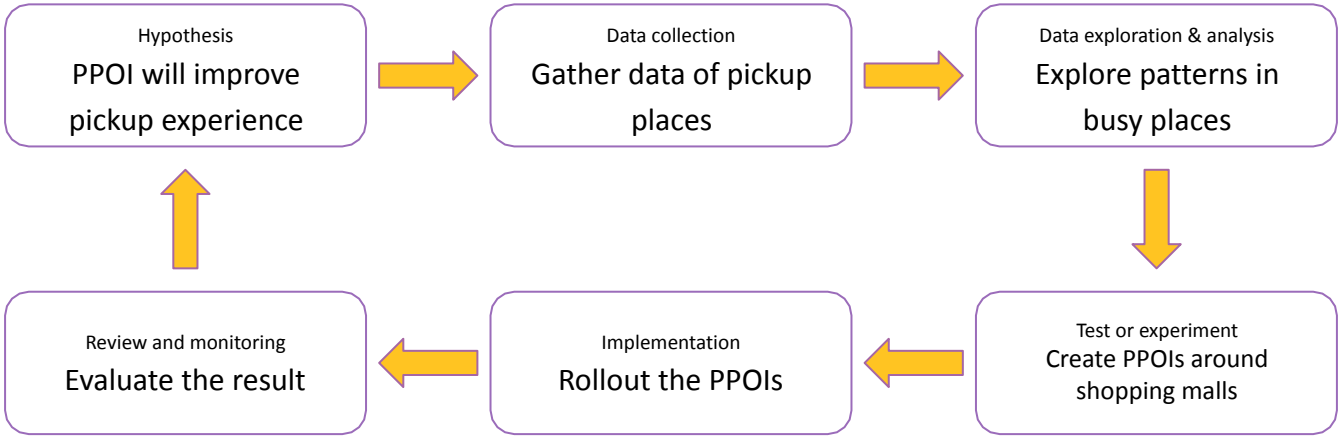
Data Visualization

and many more...

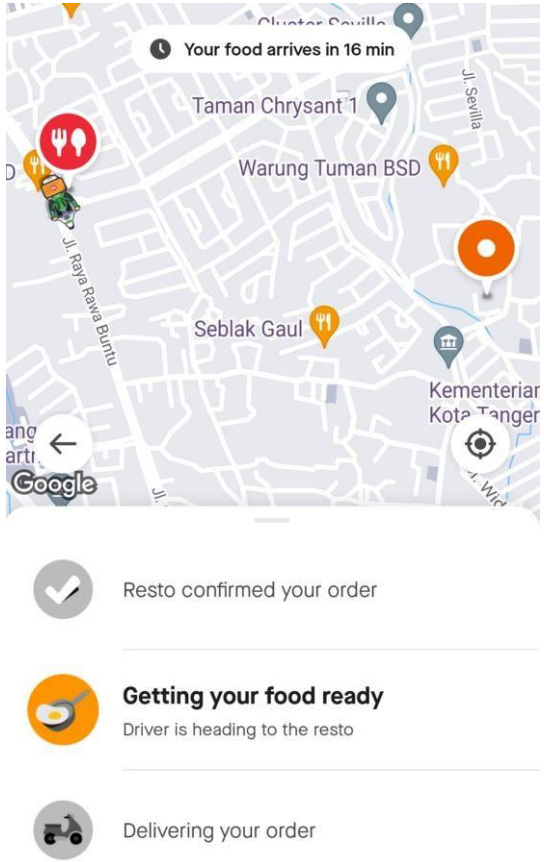
Use case: Pick-up points of interest (PPOI)



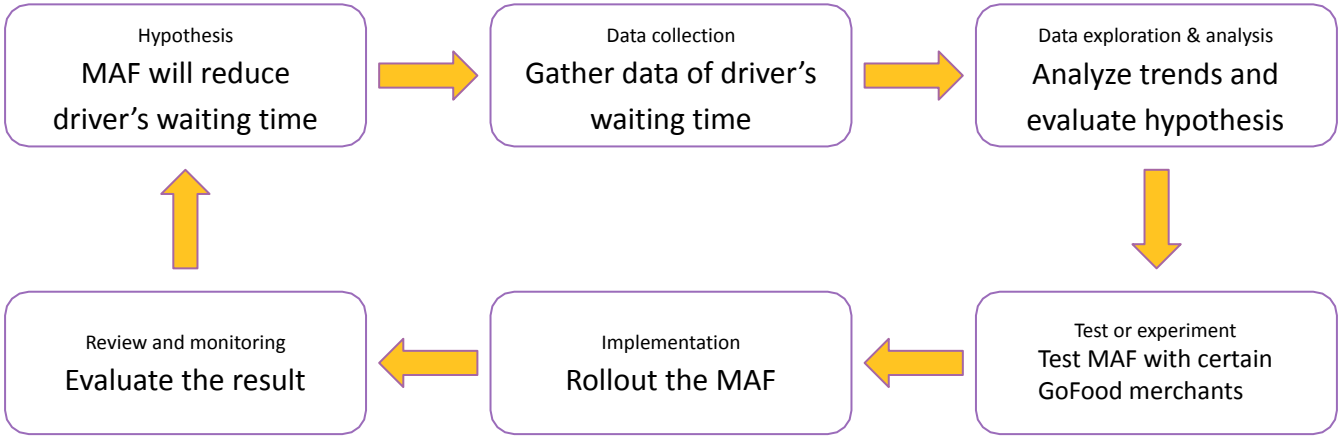
Use case: Pick-up points of interest (PPOI)



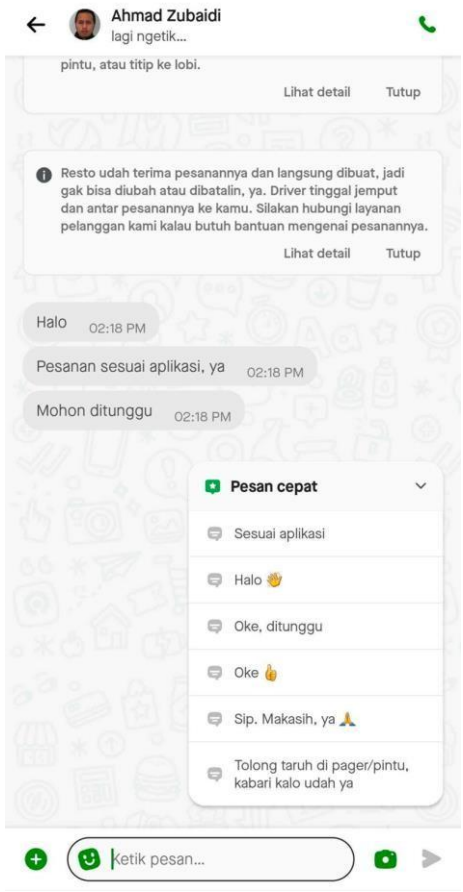
Use case: GoFood merchant acceptance flow (MAF)



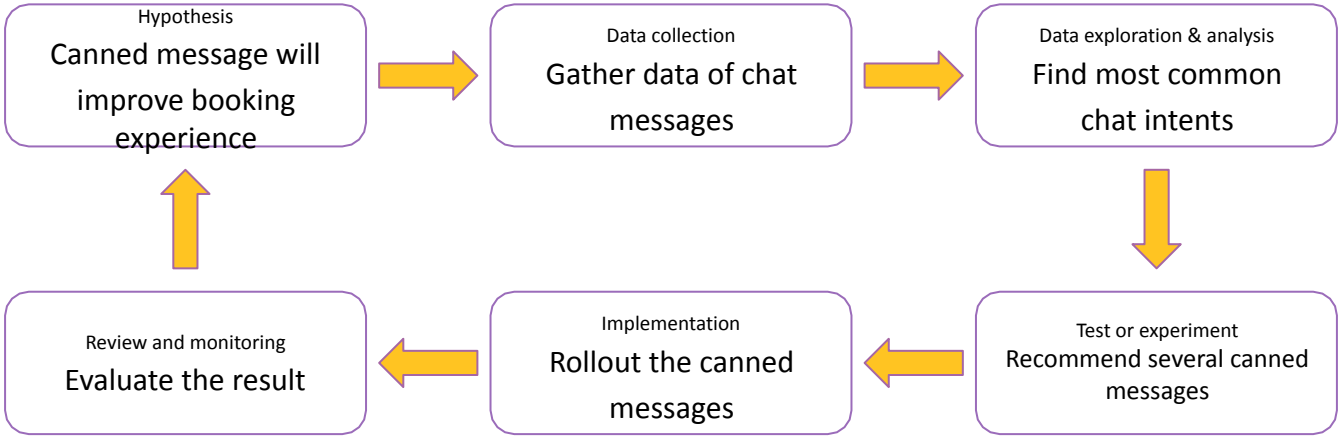
Use case: GoFood merchant acceptance flow (MAF)



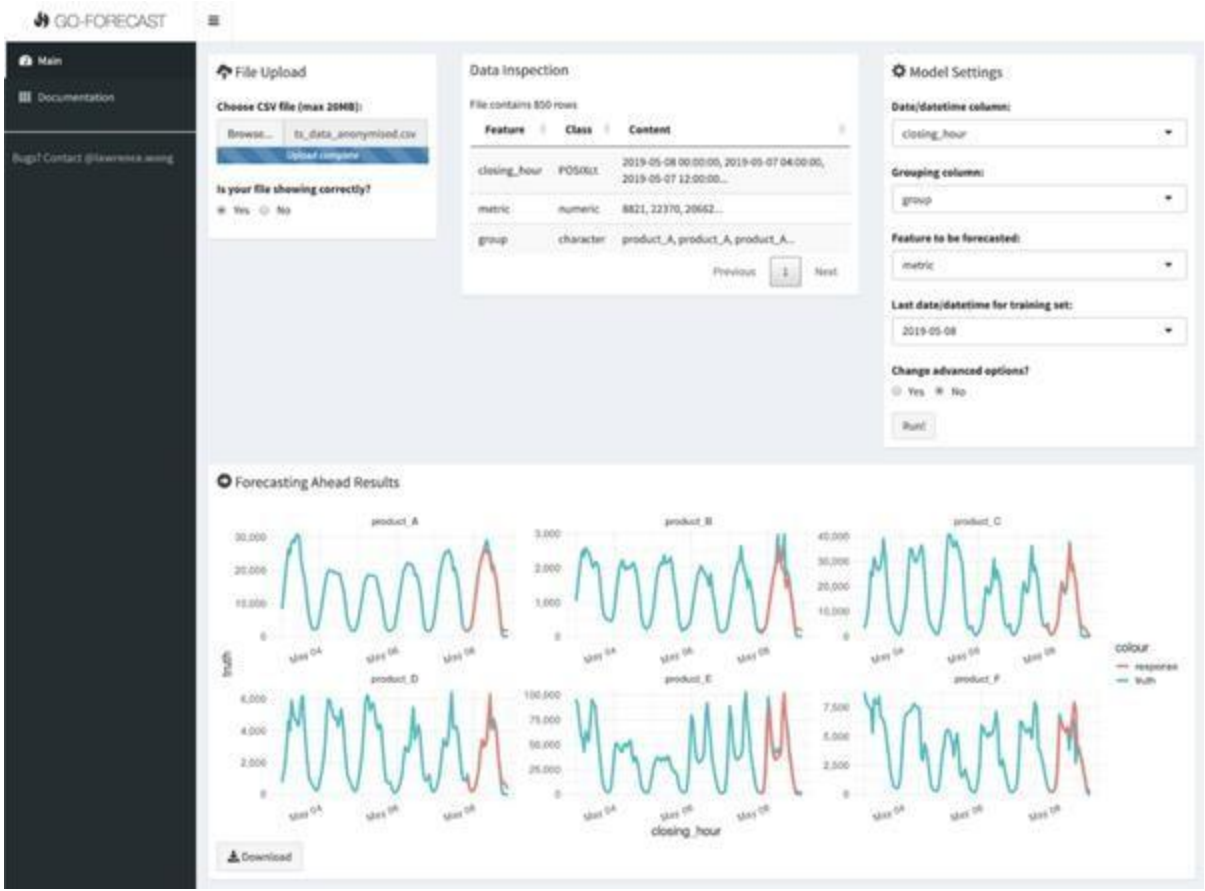
Use case: Canned messages



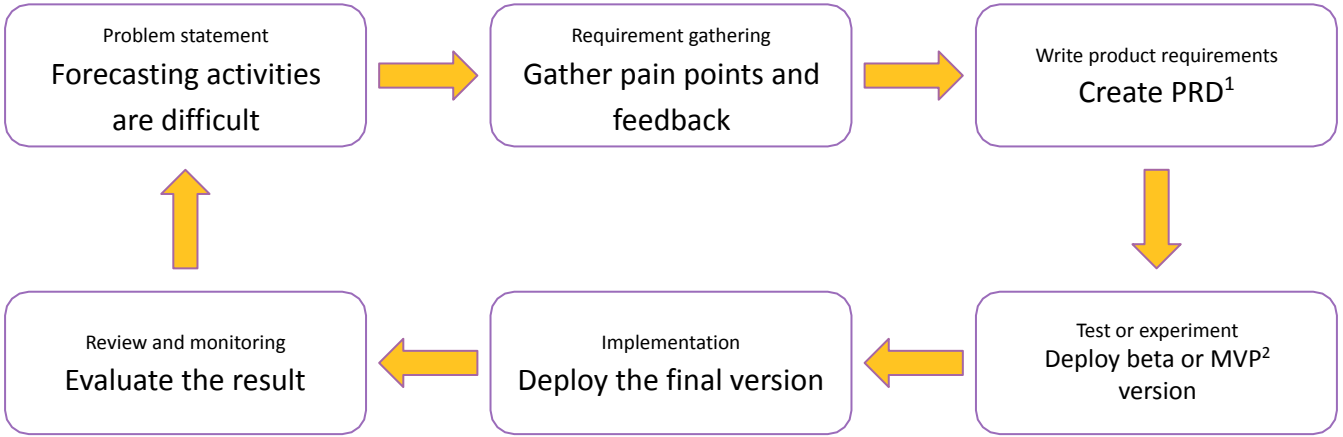
Use case: Canned messages



Use case: Automated forecasting tool



Use case: Automated forecasting tool



[1] *Product Requirement Document*
[2] *Minimum Viable Product*

Key Responsibilities of Business Intelligence Engineers

1. **Business Intelligence Engineers are responsible for providing a clean, accurate, and trustworthy dataset that can be utilized to develop and monitor KPIs (Key Performance Indicators) in a scalable manner.**

Key Responsibilities of Business Intelligence Engineers

2. Business Intelligence Engineers must collaborate with Data Engineers, Data Analysts, etc. to transform the data into valuable information that can be utilized to make better strategic decisions and provide better customer service.

Key Responsibilities of Business Intelligence Engineers

3. **Business Intelligence Engineers are responsible for creating technical documents that can guide the end-users on how to use the product. For example, API documentation, known technical issues documentation, etc.**

Key Responsibilities of Business Intelligence Engineers

4. Business Intelligence Engineers and Business Data Engineers should collaborate to build and schedule ETL or ELT pipelines in production. In some circumstances, it may be necessary to work with Software Developers as well to create Data Streaming Solutions.

Key Responsibilities of Business Intelligence Engineers

5. Business Intelligence Engineers are responsible for making strategic decisions related to developed software and also monitor the entire deployment process. During the pre and post-launch stages, they are also responsible for testing and troubleshooting.

Skill Set Required for Business Intelligence ?

Questions?