

Welcome and Class Overview

Harvesting, Storing, and Retrieving Data

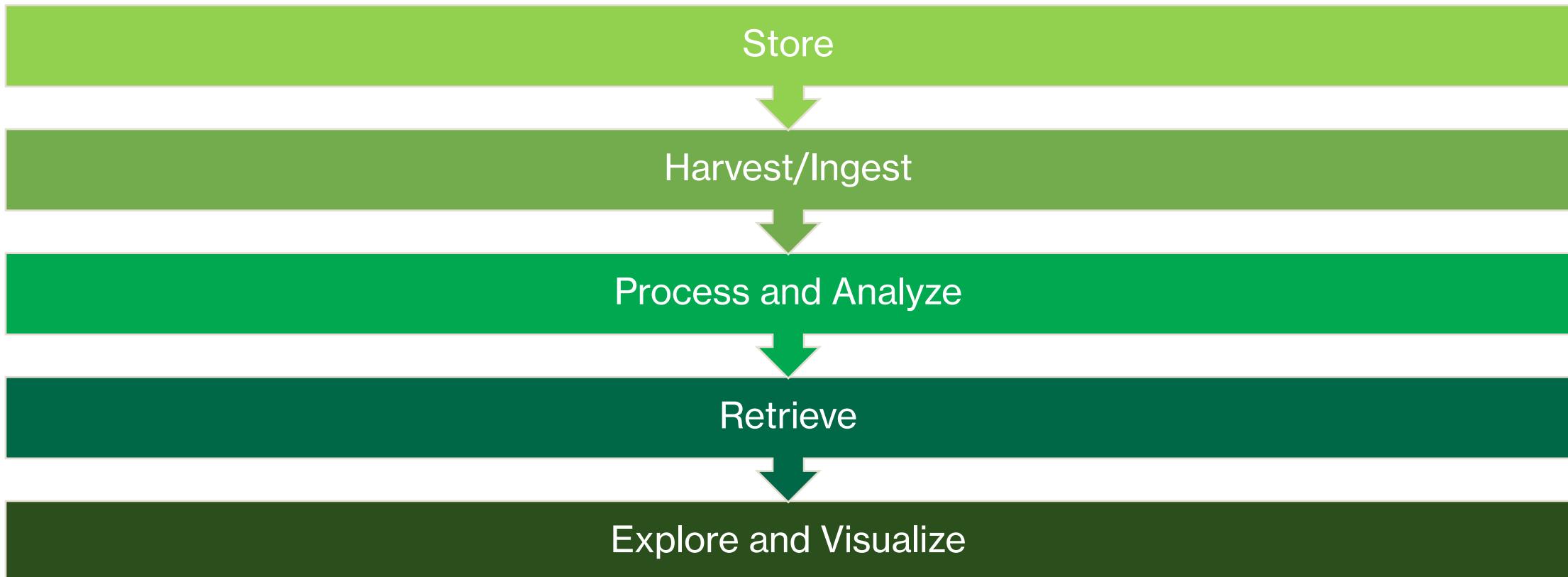
Agenda

- Syllabus
- Canvas
- Data Lifecycle
- Plagiarism





Data Lifecycle



Harvest/Ingest

In this first step you will learn how to pull in raw data from such devices as streaming data, on premise batch data, and app logs.

- Apps

- Streaming

- Bulk/Batch

Process and Analyze

In order to gain value for your business, data will need to be transformed and analyzed.

Processing

Analyzing

Understanding

Cloud Storage

Data comes in many sizes and shapes. The structure of data depends on the sources that it is generated. Ingested data can be stored in many formats or locations.

Storing data for MapReduce jobs

Storing query Data

Data Backup and Disaster Recovery

Content Distribution

Storing ETL Data

Explore and Visualize

The last step is an in-depth exploration and visualizations of the results from the processing and analysis step.

Interactive Data Insights

Data Science Ecosystem

Visualizing BI Results

Dashboarding