

Text Classification Framework

By Olivia Wu, Teresa Wan, Terry Li

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Domain / Generality

Domain

1. Purpose: Text Classification & Entity Analysis using Google NLP
2. Data API: NY Times / Wikipedia / Guardian
3. Visualization API: Multiple Time-series charts / Word Cloud

Generality

1. Framework: Classification Using NLP
2. Data Plugin: Using web API fetch data and extract text
3. Visualization Plugin: Customize graph / visualization

Project Structure & Plugin Interface

Project Structure

- Similar to recitation 09: decouple Backend & GUI
- Using service loader to register plugins

Plugin Interface

- Data Plugin: `runWebAPIRequest()` / `processData()`
- Visualization Plugin: `visualize()`

