Job recommendation system based on LinkedIn API

Challenges

- DATA COLLECTION: Spark Streaming on LinkedIn API

- DATA PREPOSSESING: Extract relevant data from LinkedIn profiles

- CLASSIFICATION: Using Spark ML to do classification

- DATA VISUALIZATION

- CODING!!!

Data?   LinkedIn API + Spark !

1. Create my LinkedIn App on the [LinkedIn Developers platform](#).

2. Get the Access Token I need to incorporate in my Python app.

3. Develop the script like we did in twitter API

According to LinkedIn, the dataset will include a description and category of the users' classification result.

Classification

Data Processing: split, remove stop words...

Personal Description ➡ Job Domain

logistic regression, KNN,

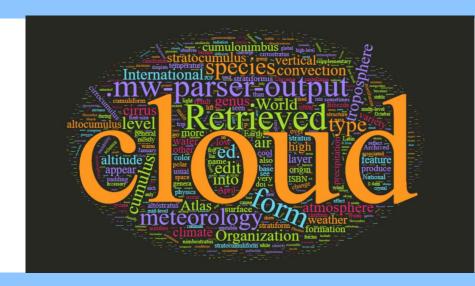**Random Forest, Naive Bayes, Gradient Boosting Trees,**

Multi-layer perceptron, Linear Support Vector Machine,

One-vs-Rest

Visualization

Count the frequency of different skills appears in every domain and visualize

System Overview

Offer job recommendations to different users

Offer recommended skills to users in different domains