DD2476 Search Engines and Information Retrieval Systems

Project 3: Outfit Selector

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> *This project is worth 3 ECTS credits. This means that it is expected to require 80 hours of work for each person in the group. The project formulation, method, and results are presented in a report as well as in a poster session. For more details, look at the course homepage, under Project in the menu.*

Problem

Create an app that can help you choose what to wear! By showing the user different shirts and pants at the same time, the user can select things that he or she feels is working together. The more user input the app gets, the better suggestions.

Assignment

- Create a simple crawler for one or a few online clothing stores
- Download and store images together with some metadata about it in a search engine
- Present two images at the same time (as an app or a web page for example)
- Allow the user to change them if they do not match (for example swipe to change)
- If two items match, the user should mark it as a match
- Matches are stored together with metadata, and used as training data for machine learning
- Suggestions are randomized at first, but the more input the better suggestions

The complexity of this project depends a lot on what you want to do. Feel free to play around to see what gives you the best results!

About Findwise

Findwise is a growing IT consultancy company, founded in 2005 by a team of experts from the enterprise search industry. The company currently employs about 100 people and has offices in Stockholm, Gothenburg, Copenhagen and Warsaw.

We aim to add business value for organizations where information is a priority by helping them to access, manage and use information. Findability by Findwise is all about creating search solutions that maximize business value gained from search technology investments. We create search solutions for intranets, web, e commerce and applications and make sure these are implemented to support and strengthen your business processes and help your organization reach business goals. We offer consulting and implementation of all leading platforms including Autonomy IDOL, Microsoft FAST ESP, Google GSA and the open source search engines Apache Solr and Elastic Search.

Findwise is fully customer-oriented. At the same time, our ambition is to be the best workplace in the industry, capable of attracting and retaining the best talents.