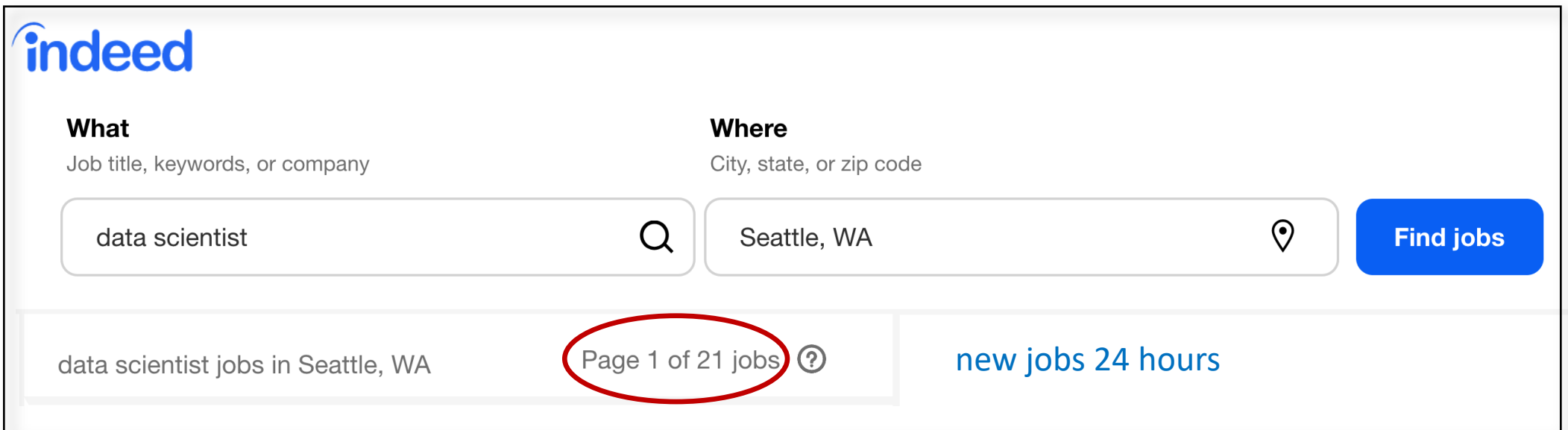


[illegible]

Problem

- Is this job a good fit for me?
- Is my resume “searchable” for this position



indeed

What
Job title, keywords, or company

Where
City, state, or zip code

data scientist

Seattle, WA

Find jobs

data scientist jobs in Seattle, WA

Page 1 of 21 jobs ?

new jobs 24 hours

Data sources

Job postings



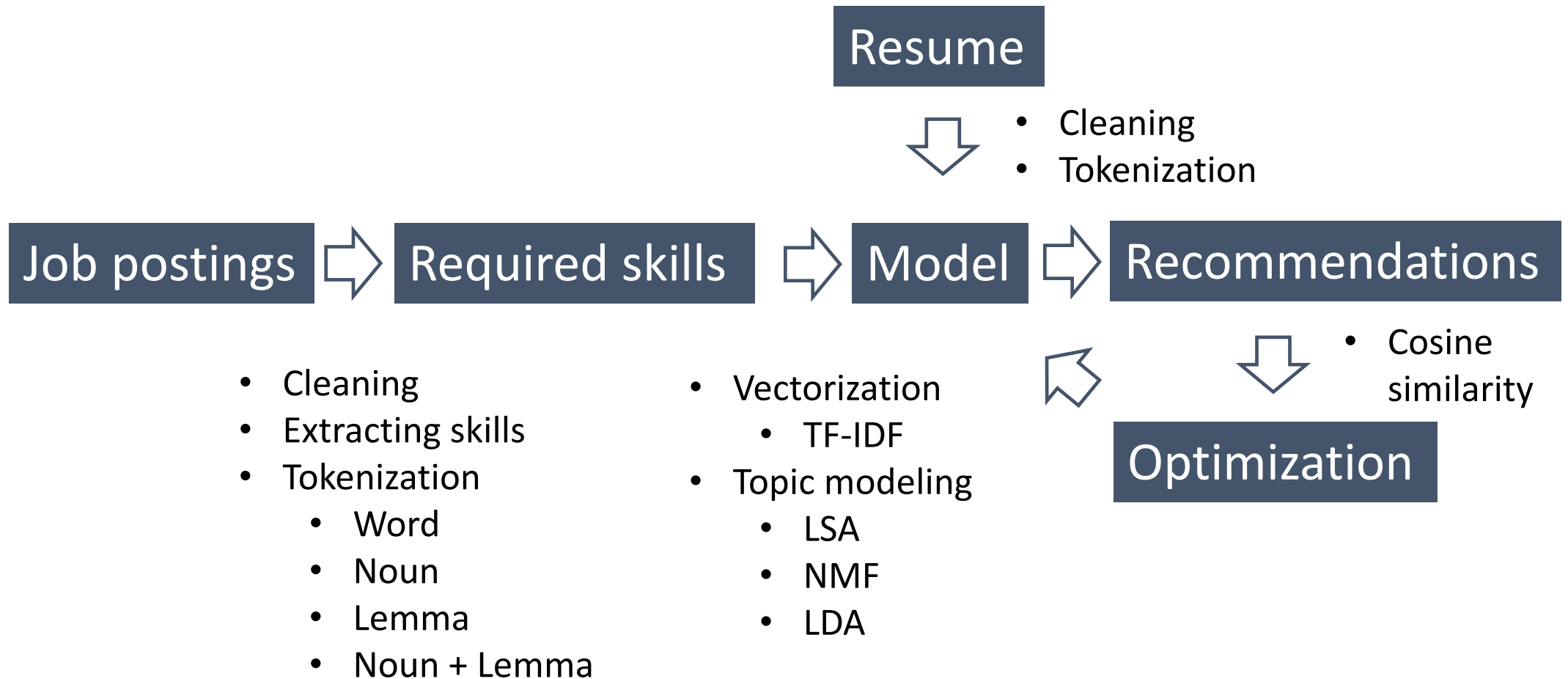
- Data Scientist / Data Analyst
- Clinical Trial Specialist
- Civil Engineer

Resumes

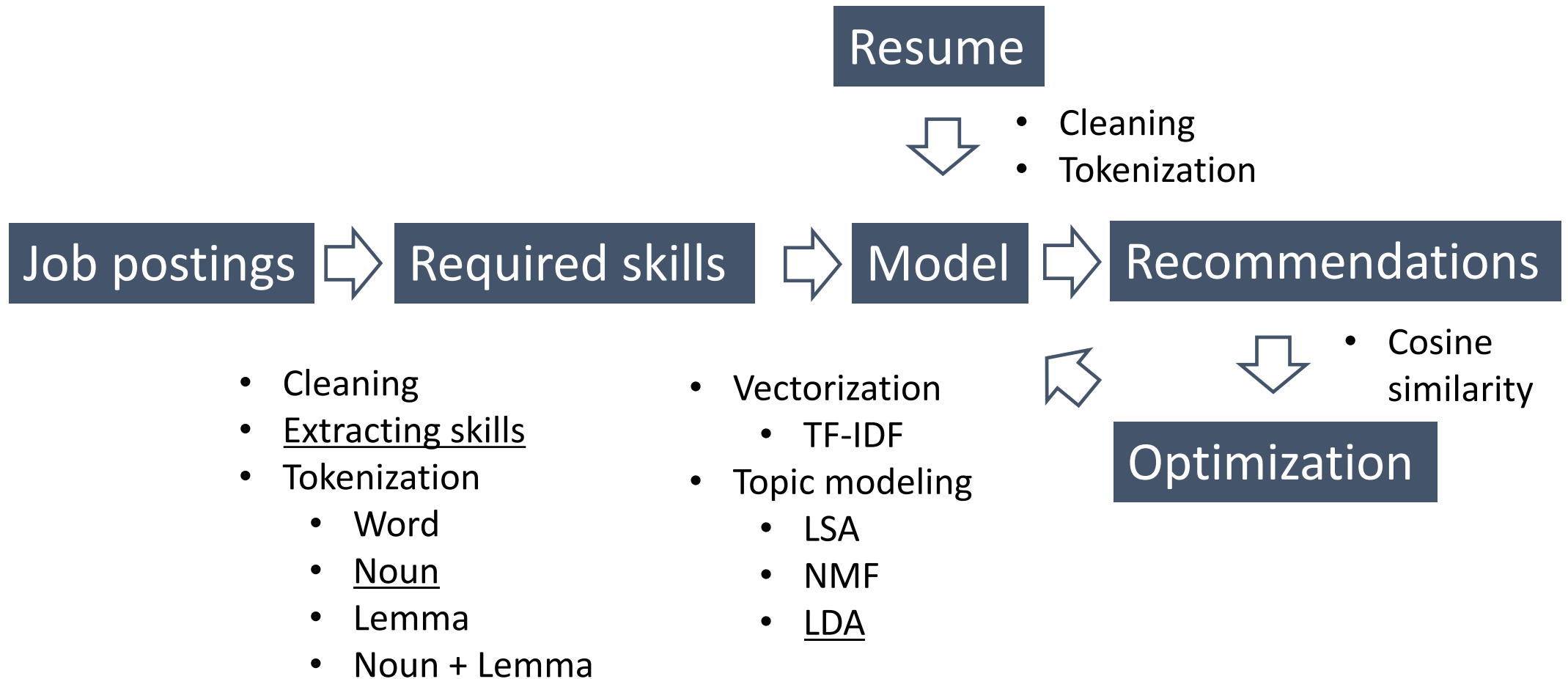


- Metis booklets
- Clinical Trial (images from the Web)
- Civil Engineer (images from the Web)

Job recommender algorithms



Job recommender algorithms



Many flavors of data science jobs



statistics, machine, modeling, engineers



warehouse, database, azure, databricks



game, visualization, sql, visualization taxonomy



clients, transportation, recommendations, splunk



languages, engineering, analyses, world

Topic modeling was performed Noun as a token, TF-IDF and LDA

[illegible]

Resume

Skills & Education

Python programming ...
Pandas, NumPy, Scikit-Learn,
Matplotlib, Django ...
Statistics ... SQL

Job posting

Required Skills & Experience

... track record of performing data analysis using **Python** (**numpy**, **pandas**, **scikit-learn**, etc.) or equivalent language and **SQL** ... **statistics** and analytics to solve complex problems ... data structures and algorithms

Cosine similarity score = 0.82



Future directions

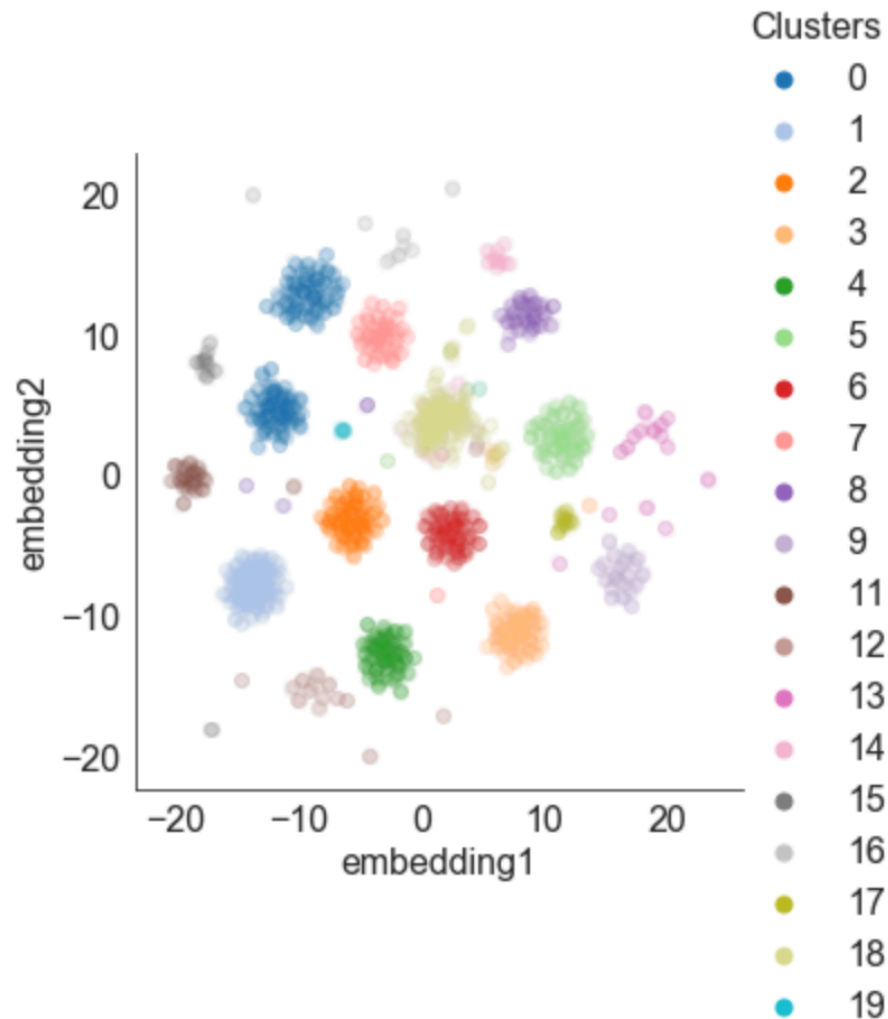
- Model optimization
 - Confusion matrix
- Expending job posting library
- Additional filters:
 - Title
 - Years of experience
- Comparing results to Jobscan and SkillSyncer

Thank you

[illegible]

Topic modeling: number of components

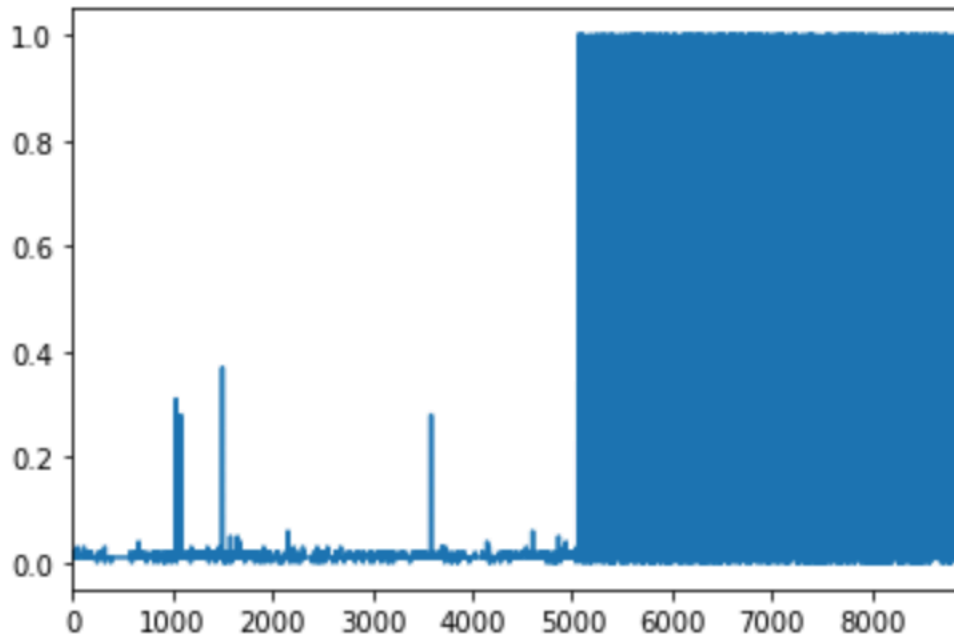
Components: 20



- 20 components show better cluster separation

Recommender optimization

- Cosine similarity for a non-data scientist position



Data Scientist

Not Data Scientist