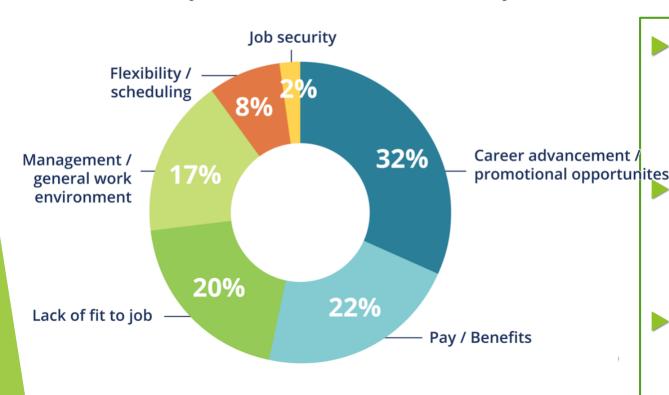
A Comprehensive and Subjective Job Search Recommendation System

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Motivation

TOP VOLUNTARY JOB-RELATED REASONS FOR CHANGING JOBS



Source: Gallup

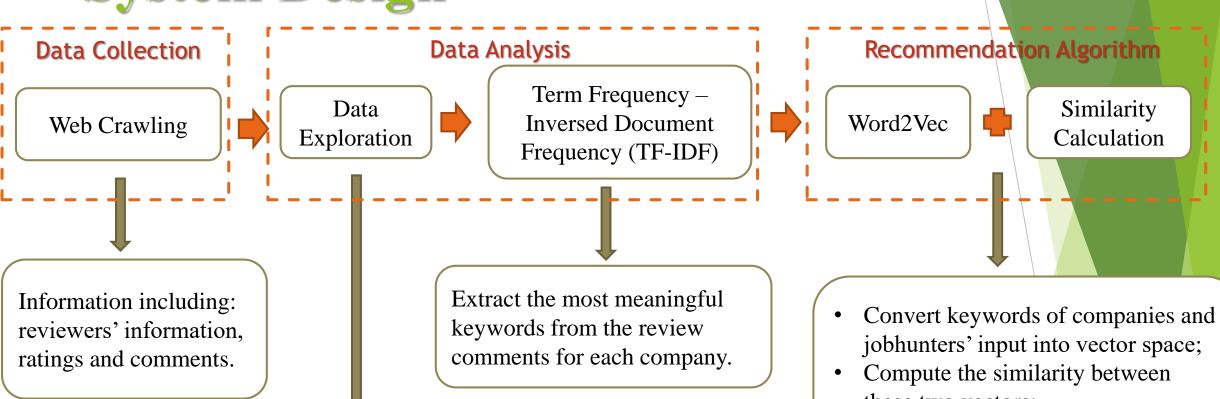
(http://myaliat.com/news/employees-mentally-checked-out/top-voluntary-job-related-reasons-changing-job-gallup-aliat/)

► Frequently changing jobs has adverse effects on both employers and employees themselves.

Unlike 'Pay/benefit', about 80% reason for people changing jobs are not quantifiable.

Comprehensive and subjective understanding of the companies during the job searching process is important.

System Design



Investigate correlation among the rating scores (i.e., overall, workbalance, culture-values, careeropportunities, comp-benefit, management ratings)

- these two vectors;
- Recommend companies by similarity score.

Takeaway so far...



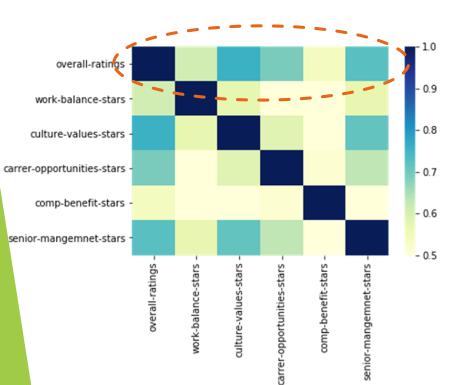
Term Frequency – Inversed Document Frequency (TF-IDF)



Word2Vec



Similarity Calculation









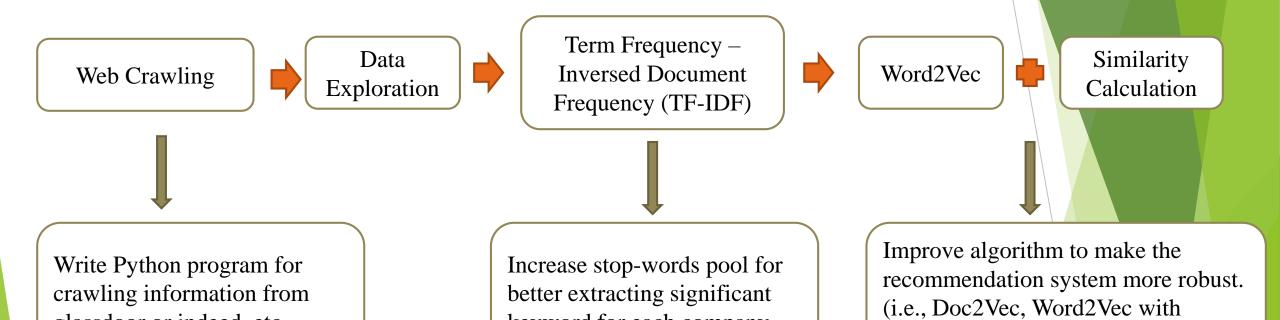


- The overall ratings are more related to the company culture and management rather than 'money'.
- > Wordclouds including the keywords have been plotted for companies.

* Darker color represents that the two factors are more co-related.

To Do List

glassdoor or indeed, etc.



keyword for each company.

weighted input.)

There is no Mr. Wrong,

but Mr.Right in the WRONG place!



Thank you! & Question?

^{*} For more information, please refer to my github link: https://github.com/liudi1025/TDI