APPLIED DATA SCIENCE PROJECT

31.01.2022



Politecnico di Torino



inda

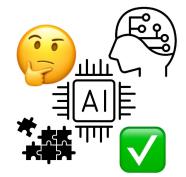
Countless Applications



Online & Paper format

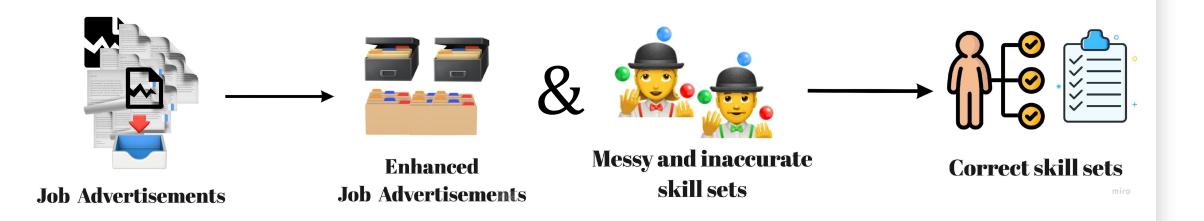


Spending a lot of time on repetitive, routine tasks



INDA provides AI solutions for recruitment and talent acquisition

PROJECT AND GOALS



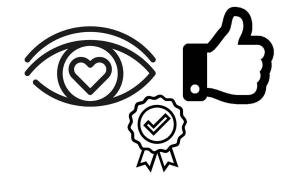
PROJECT AND GOALS



Our project is in line with the 8th United Sustainable Development Goal which is Decent Work and Economic Growth.

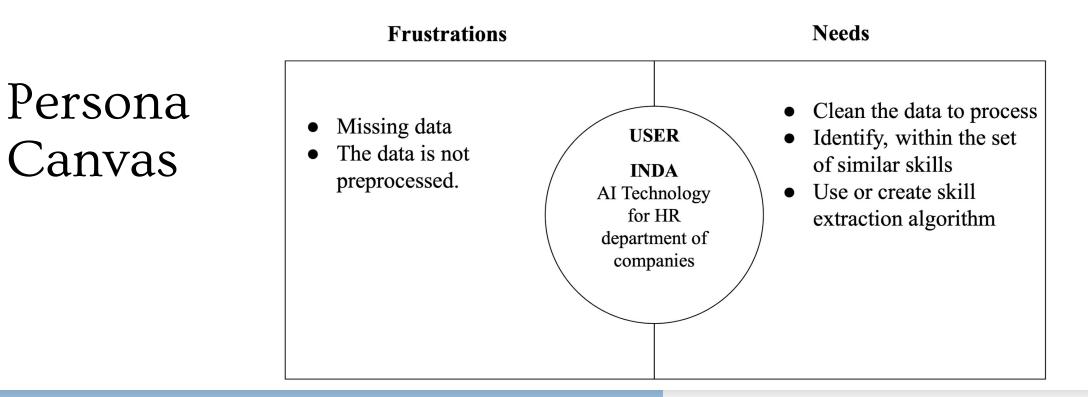


What is the attractive skill?

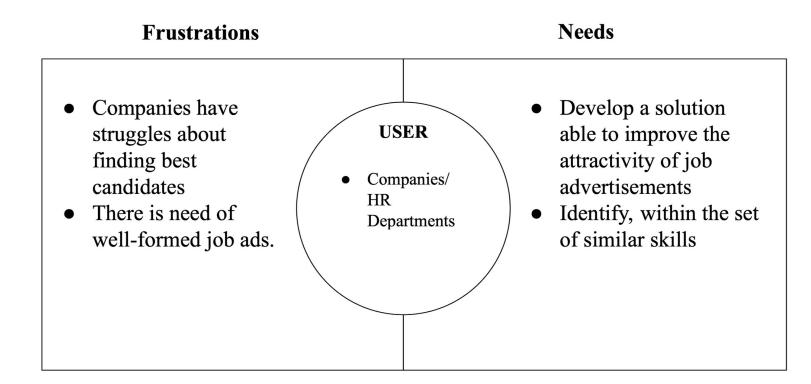


miro

Our first target group is Inda Company. We aim to complete our task to develop a solution and improve our results.



Our project owner's target group is Human Resources departments of companies.



Persona Canvas

TOOLS

Asana creates organization for team projects
Google Collaboratory is a platform to develop algorithms
Miro is a website to create flowcharts and diagrams



GANTT CHART

Date	25.10.21	01.11.21	08.11.21	17.11.21	24.11.21	01.12.21	08.12.21	15.12.21	22.12.21	29.12.21	05.01.22	12.01.22
Weeks	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
Part 1. Preprocessing												
Project Management												
Data Collection												
Data Preprocessing												
Skill Extractor												
First Checkpoint												
Part 2. Statistical Overview												
Create New Features												
Attractivty Metric (0.1)												
Statistical Overview												
Second Checkpoint												
Part 3. Complete the Algorithm												
Improve Attractivity Metric												
Calculate Similarity Metric												
Algorithm Test												
Third Check Point												

DATA STRUCTURE

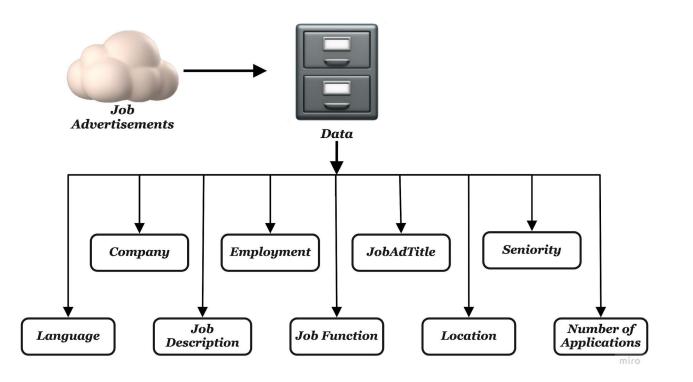


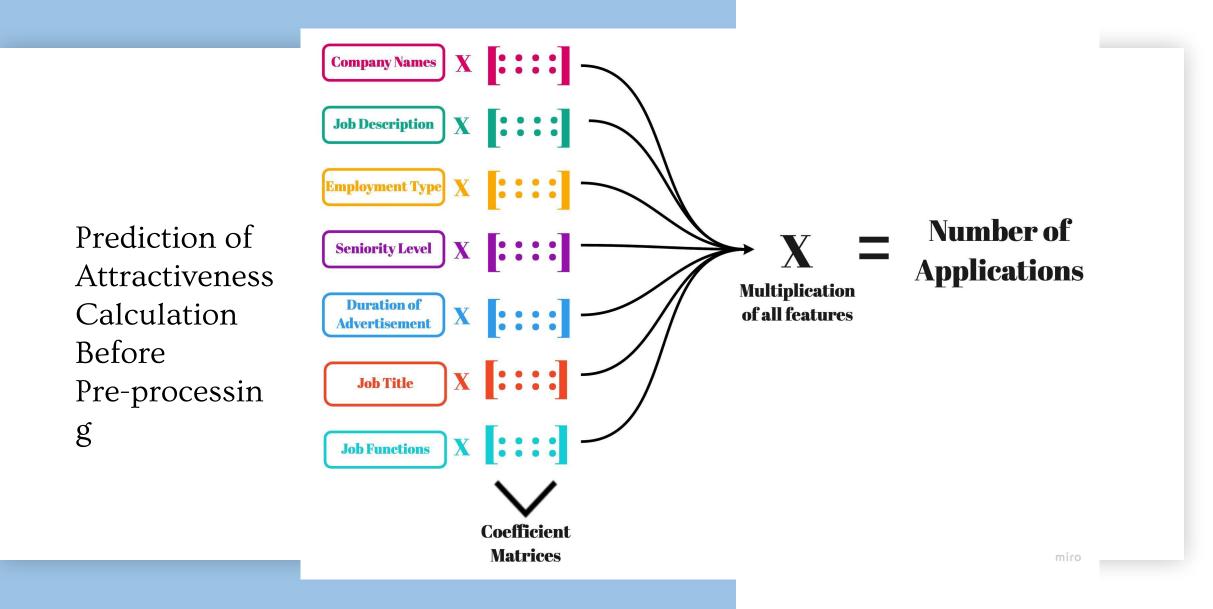
Recent Job Advertisement Data published on online platforms.



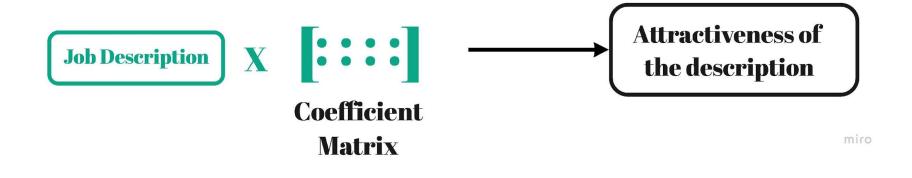
✓ *30 000 Job Advertisements*

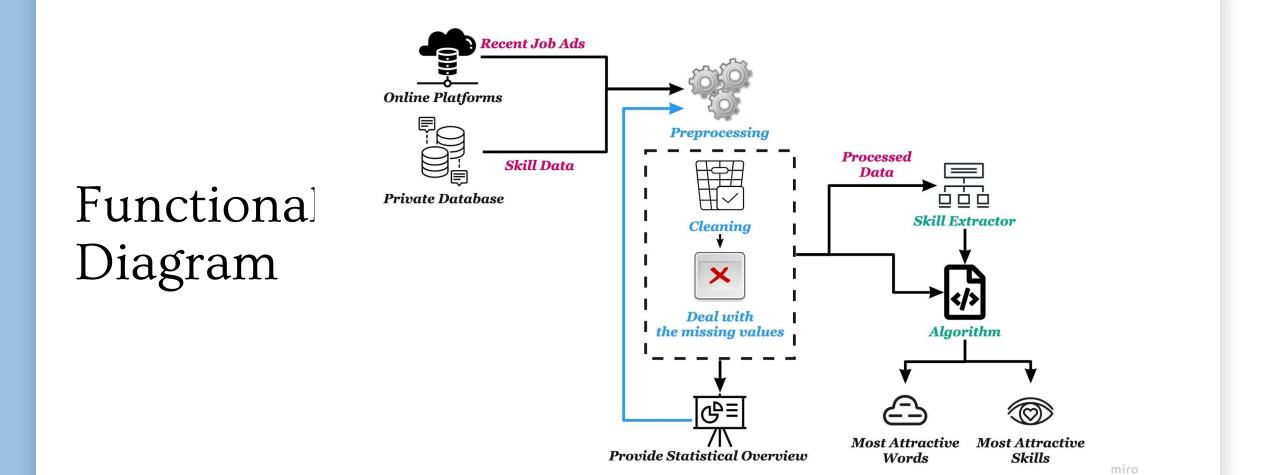
Data Analysis Diagram

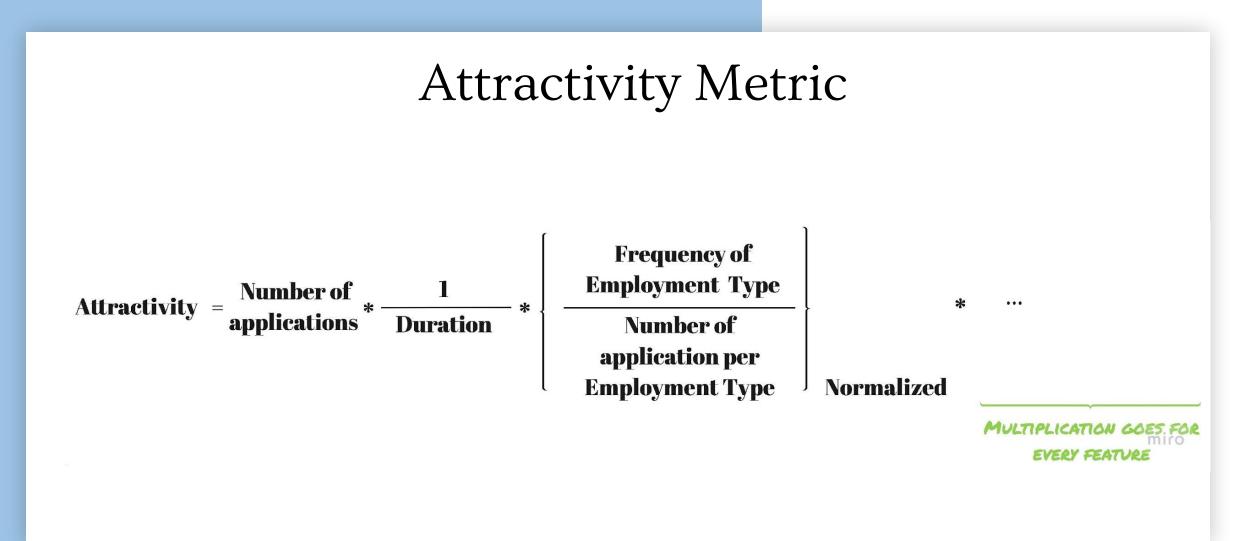


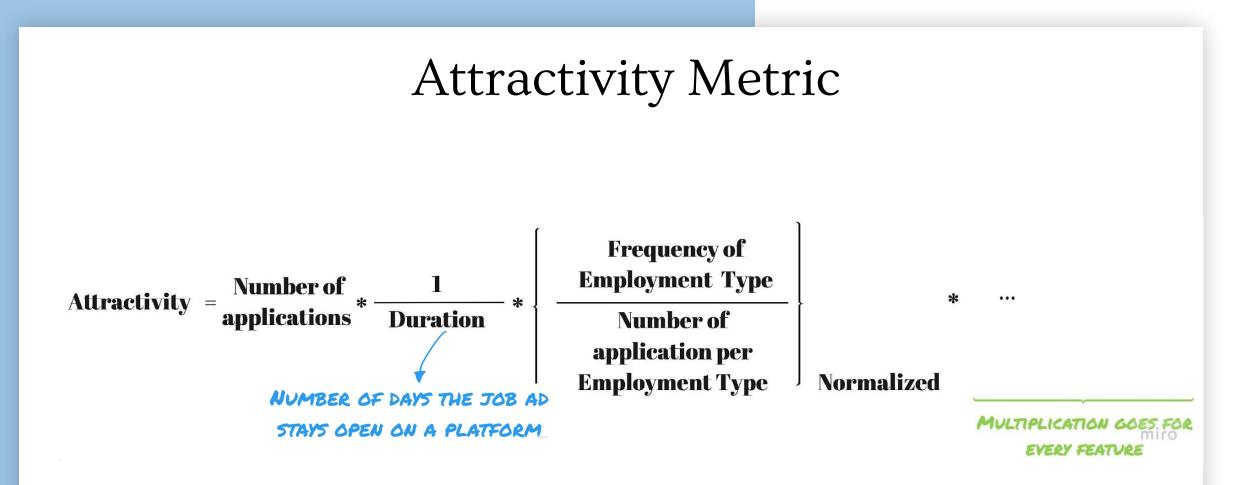


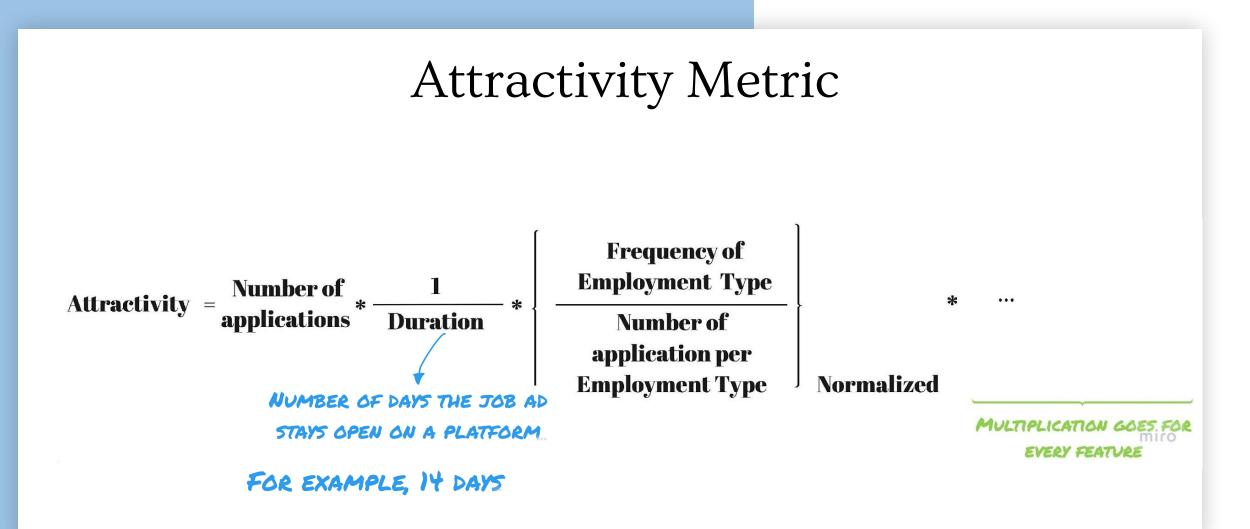


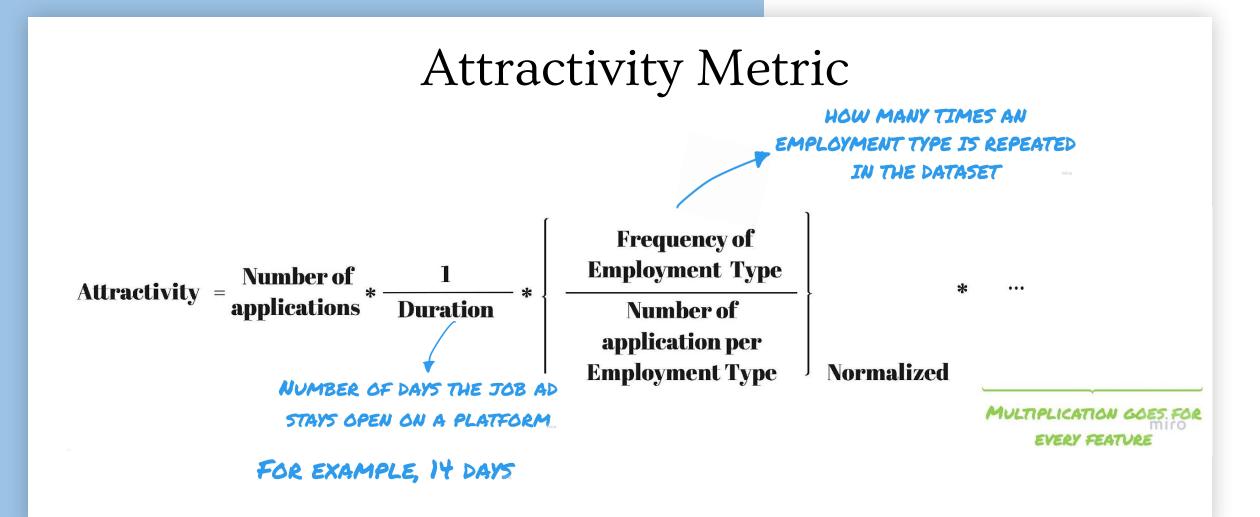


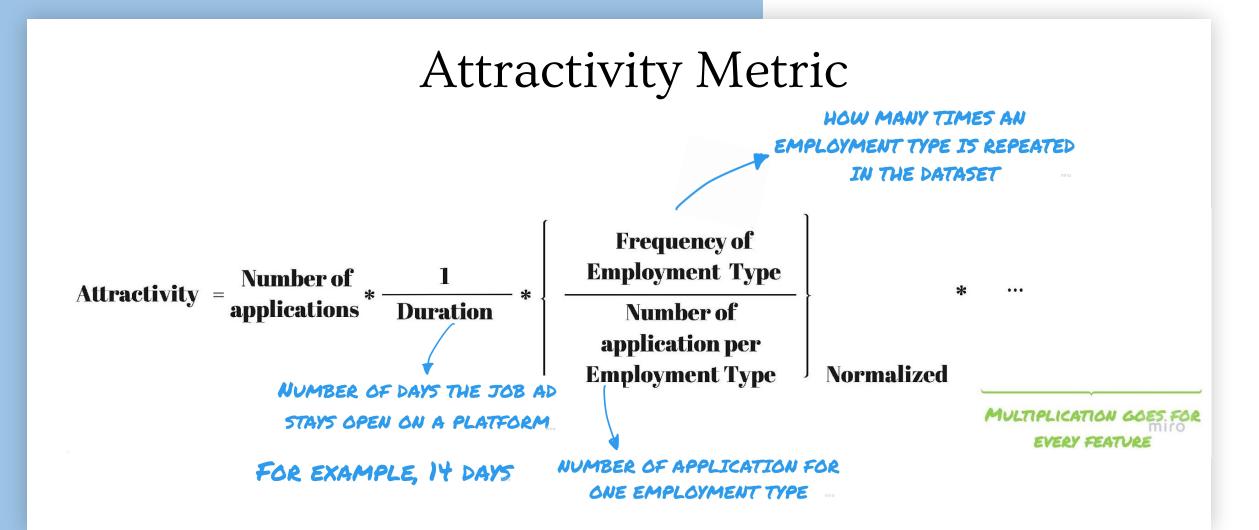


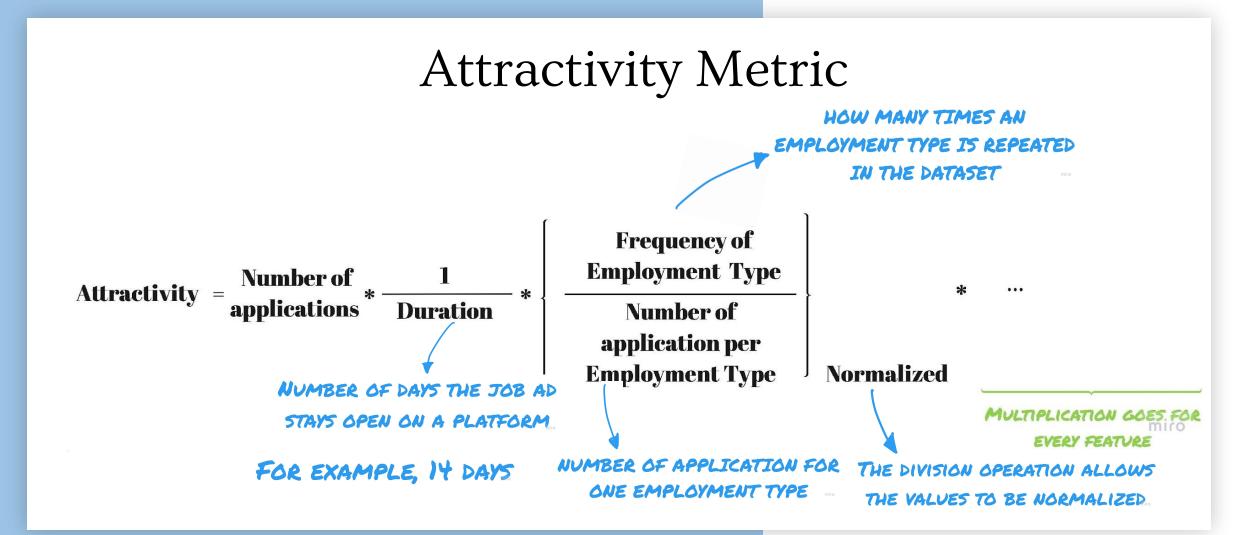










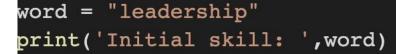


Results

According to the our algorithm the most attractive job advertisement includes;

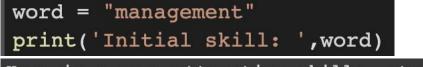
- Possibility to work remotely
- Work 2 months as part-timer with a paid holiday in a European country
- 1 month vacation in a year
- Regular cultural and social activities organised by a party committee

Results

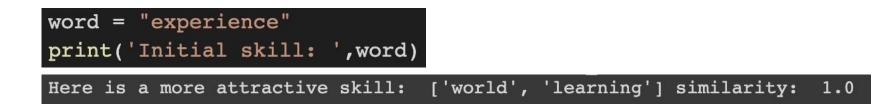


Similarity

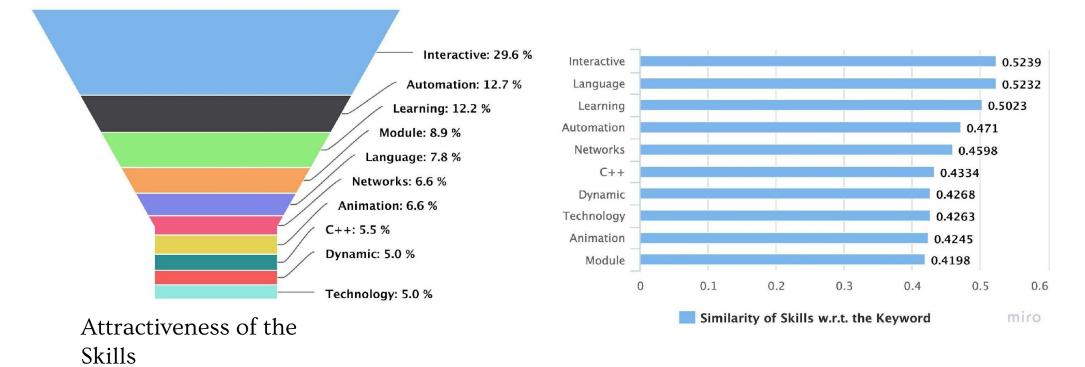
Here is a more attractive skill: organization similarity: 1.0



Here is a more attractive skill: strategies similarity: 1.0



Results Keyword : Programming



Conclusio

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- Data Pre-processing
- Data Analysis
- Attractiveness Metric

Thank you!

Questions?

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