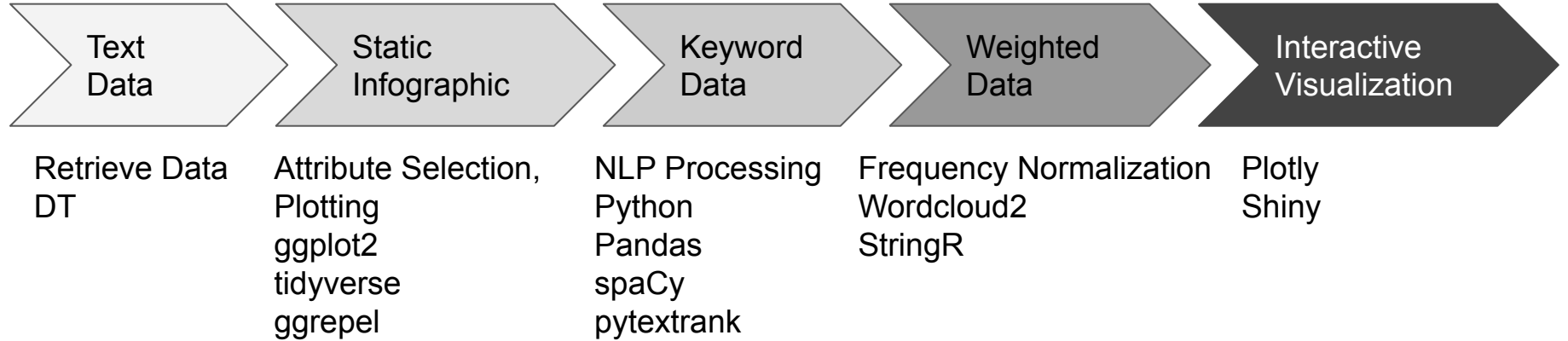
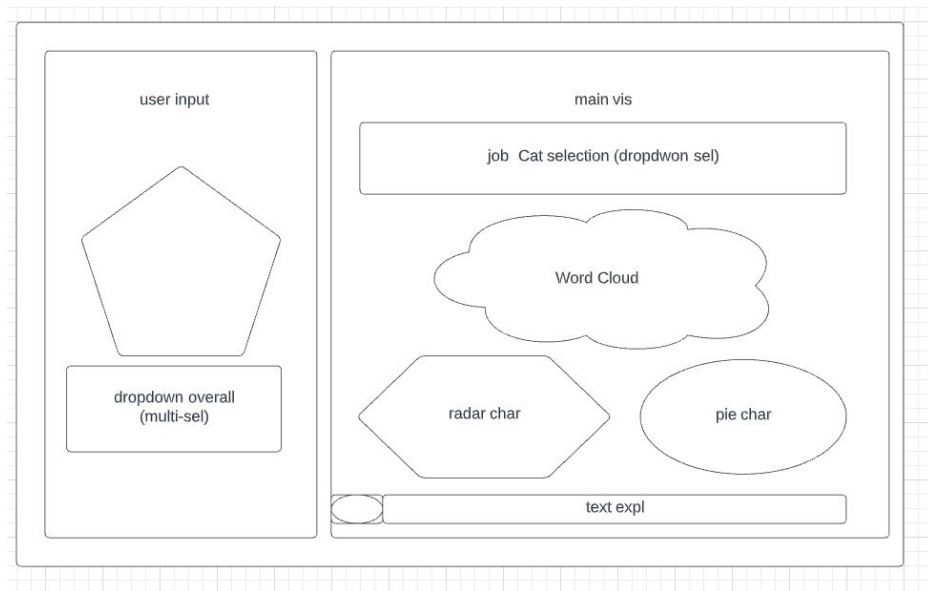


Every job position has its unique requirements and job skills. With the large amount of jobs present, it's difficult to compare one's skills with every job out there. Our project seeks to create a visual representation of how well a person fits in specific job fields parallelly. In this project we will utilize R visualization tools to approach our goal.

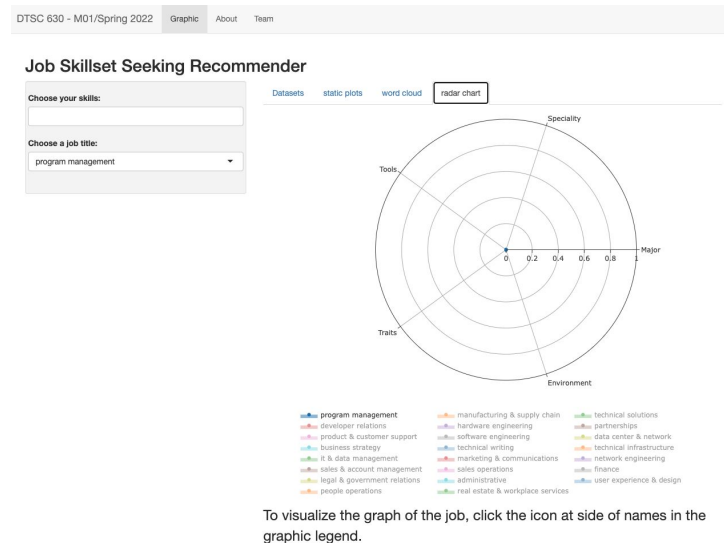
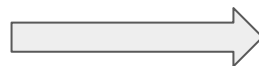
Raw

Live





Initial sketch of idea



Final product UI

Group Project Info:

DTSC 630 - M01/Spring 2022

Data Visualization

Dr. Cheng

[Demo Web](#)

Team:

Hui(Henry) Chen

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Project Description:

In this project, we are going to build a web-server based job skillset recommendation engine. The dataset is from Kaggle [job-skills](#) with 1250 records and 7 features. The users would need to input their skillset(s) in order to find the optimal job/title/position by our recommendation engine.

Also, the interactive visualization graphs will be used in this project are as follows:

Word Cloud

Static Chart

Radar Charts

Code Review

[Github](#)

DTSC 630 Slides

1 / 3100%+

1

2

3

Every job position has its unique requirements and job skills. With the large amount of jobs present, it's difficult to compare one's skills with every job out there. Our project seeks to create a visual representation of how well a person fits in specific job fields parallelly. In this project we will utilize R visualization tools to approach our goal.

Raw

Live

Text Data

Static Infographic

Keyword Data

Weighted Data

Interactive Visualization

Retrieve Data
DT

Attribute Selection,
Plotting
ggplot2
tidyverse

NLP Processing
Python
Pandas
spaCy

Frequency Normalization
Wordcloud2
StringR

Plotly
Shiny

Choose your skills:

Choose a job title:

program management

DatasetsStatic PlotsWord CloudRadar Chart

Original DataJob Category And Key WordsKey Words Classified

Original Dataset

Show 10 entries

							Search:
	Company	Title	Category	Location	Responsibilities	Minimum.Qualifications	Preferred.Qualifications
1	Google	Google Cloud Program Manager	Program Management	Singapore	Shape, shepherd, ship, and show technical programs designed ...	BA/BS degree or equivalent practical experience. 3 years of ...	Experience in the business technology market as a program ma...
2	Google	Supplier Development Engineer (SDE), Cable/Connector	Manufacturing & Supply Chain	Shanghai, China	Drive cross-functional activities in the supply chain for o...	BS degree in an Engineering discipline or equivalent practic...	BSEE, BSME or BSIE degree. Experience of using Statistics to...
3	Google	Data Analyst, Product and Tools Operations, Google Technical Services	Technical Solutions	New York, NY, United States	Collect and analyze data to draw insight and identify strate...	Bachelor's degree in Business, Economics, Statistics, Operat...	Experience partnering or consulting cross-functionally with ...
4	Google	Developer Advocate, Partner Engineering	Developer Relations	Mountain View, CA, United States	Work one-on-one with the top Android, iOS, and web engineers...	BA/BS degree in Computer Science or equivalent practical exp...	Experience as a software developer, architect, technology ad...
5	Google	Program Manager, Audio Visual (AV) Deployments	Program Management	Sunnyvale, CA, United States	Plan requirements with internal customers. Provide portfolio...	BA/BS degree or equivalent practical experience. 4 years of ...	CTS Certification. Experience in the construction sector. Ex...
6	Google	Associate Account Strategist (Czech/Slovak), Global Customer Experience	Technical Solutions	Dublin, Ireland	Communicate with customers via phone and email. Provide stra...	Bachelor's degree or equivalent practical experience. Abilit...	Experience in sales, customer service, account management, m...
7	Google	Supplier Development Engineer, Camera, Consumer Hardware	Hardware Engineering	Mountain View, CA, United States	Manage cross-functional activities in the supply chain for o...	BS degree in Engineering or equivalent practical experience...	Master's degree. Experience in the development of camera mod...
8	Google	Strategic Technology Partner Manager, Healthcare and Life Sciences	Partnerships	Sunnyvale, CA, United States	Lead the development and strategy with partners for healthca...	BA/BS degree or equivalent practical experience. 5 years of ...	BA/BS degree in a technical, life sciences or engineering fi...
9	Google	Manufacturing Business Manager, Google Hardware	Manufacturing & Supply Chain	Xinyi District, Taiwan	Develop CM/OOM strategy and implement supplier management pr...	BA/BS degree in Engineering, Supply Chain or equivalent prac...	MBA degree. Experience in procurement and supply chain. Abil...
10	Google	Solutions Architect, Healthcare and Life Sciences, Google Cloud	Technical Solutions	New York, NY, United States	Help compile customer requirements as well as survey existin...	BA/BS degree in Computer Science, related Software Engineer...	Master's degree in Computer Science, related Engineering fie...

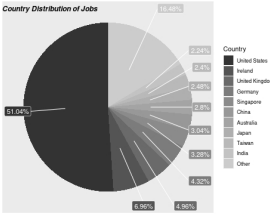
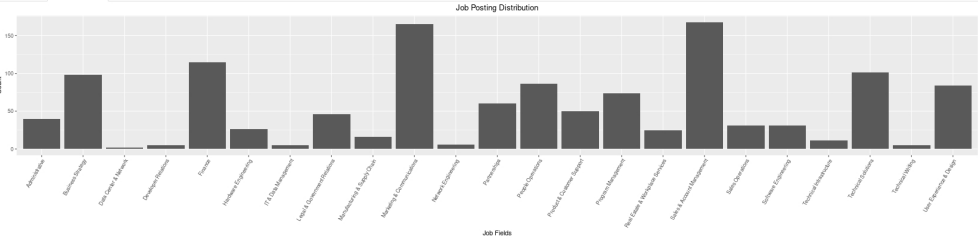
Showing 1 to 10 of 1,250 entries

Choose your skills:

Choose a job title:

program management

Datasets Static Plots **Word Cloud** Radar Chart



Choose your skills:

Choose a job title:

program management

Datasets Static Plots Word Cloud Radar Chart

Overall Skillset Specific Skillset

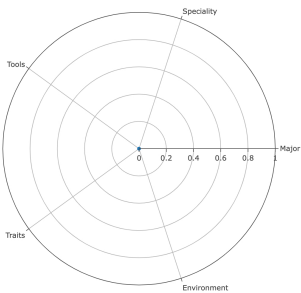
Category: Major
Category: Specialty
Category: Tool
Category: Trait
Category: Environment



Choose your skills:

Choose a job title:

program management



-  program management

 developer relations

 product & customer support

 business strategy

 it & data management

 sales & account management

 legal & government relations

 people operations
-  manufacturing & supply chain

 hardware engineering

 software engineering

 technical writing

 marketing & communications

 sales operations

 administrative

 real estate & workplace services
-  technical solutions

 partnerships

 data center & network

 technical infrastructure

 network engineering

 finance

 user experience & design

To visualize the graph of the job, click the icon at side of names in the graphic legend.