Team MD^2 - Data 607 - Project 3
Team Document
Which are the most valued data science skills?

Team Members: Moiya Josephs
                       Mubashira Qari
                       Deepika Dilip
                       Diana Plunkett

Collaboration Tools:
      Communication:
            Asynchronous: Slack, Google docs
            Synchronous: Google Meet up
      Code sharing:
            GitHub Desktop
      Project Documentation: slides, .rmd file

Data Sources:
Skill List(s):

- https://brainstation.io/career-guides/data-science-resume-examples#what-skills-should-you-put-on-a-data-science-resume (for Tech Data and Language skills)
- https://zety.com/blog/data-scientist-resume-example (for Soft Skills)

Job Postings:

- Indeed.com
- Linkedin.com
- Simplyhired.com
- ziprecruiter.com

Recommended skills:
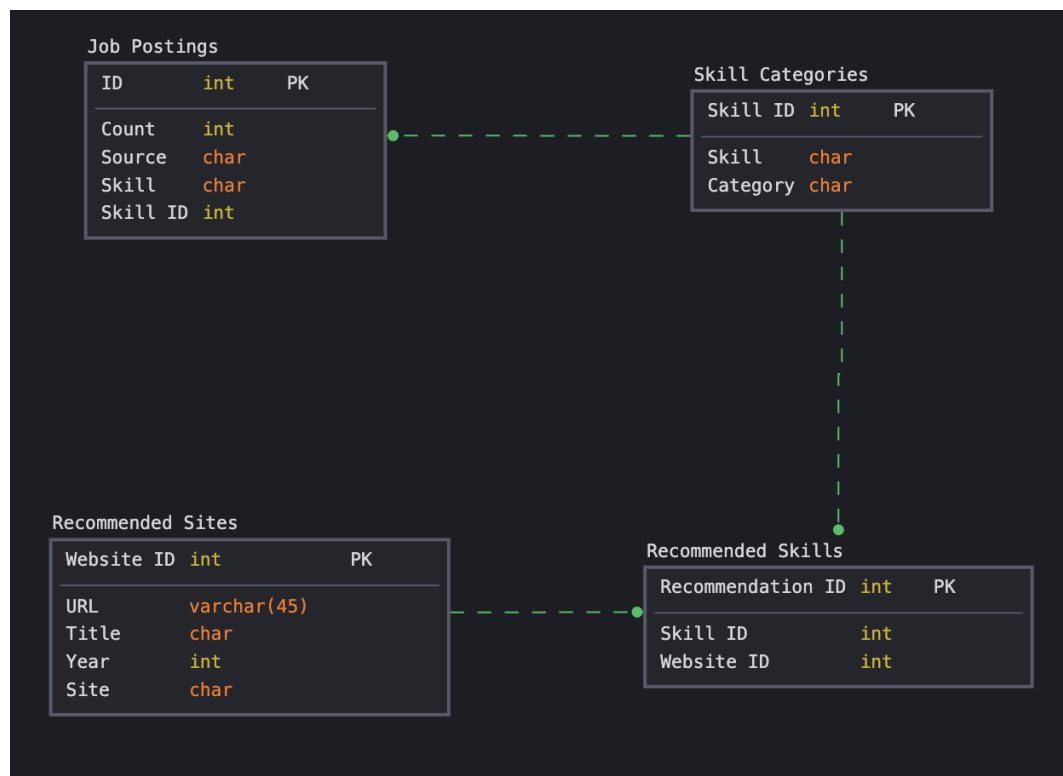
- https://www.thebalancecareers.com/list-of-data-scientist-skills-2062381
- https://www.analyticsvidhya.com/blog/2020/11/14-must-have-skills-to-become-a-data-scientist-with-resources/
- https://www.udacity.com/blog/2020/11/skills-to-launch-data-science-career.html
- https://www.interviewbit.com/blog/skills-required-for-data-scientist/
- https://quanthub.com/data-science-skills/
- https://www.tableau.com/learn/articles/data-science-skills
- https://www.techtarget.com/searchbusinessanalytics/feature/The-most-in-demand-data-science-skills-you-need
- https://bootcamp.berkeley.edu/blog/data-scientist-skills/
- https://towardsdatascience.com/top-10-skills-for-a-data-scientist-in-2020-2b8e6122a742
- https://www.indeed.com/career-advice/resumes-cover-letters/skills-for-a-data-scientist
- https://www.simplilearn.com/what-skills-do-i-need-to-become-a-data-scientist-article
  - https://www.kdnuggets.com/2018/05/simplilearn-9-must-have-skills-data-scientist.html

How to load: scrap data in spreadsheet, load into database, pull from database into R

Data Schema:
- Current table: Scraped skills w/job posting counts (Brainstation + Soft Skills Zety)
  ID (PK), Skill (FK), Count , job site source
- Table w/skills and categories (soft skills/language/etc)
  ID(PK), Skill name, Category
- Recommendation Sites: RecommendationID (PK), URL, Site, Title, Year
- Recommended Skills: RecommendationID (FK), Skill

Model:

————————————————————

Ideas for Analysis:
How do the skills vary between the different job posting sites?
How does the skills looked for in job postings compare to the skills recommended in articles and blogs?
Is there any difference in the 3 categories: Languages, Tech Data and Soft Skills