MIE 1624 Project Group 9

Xiafei Luo

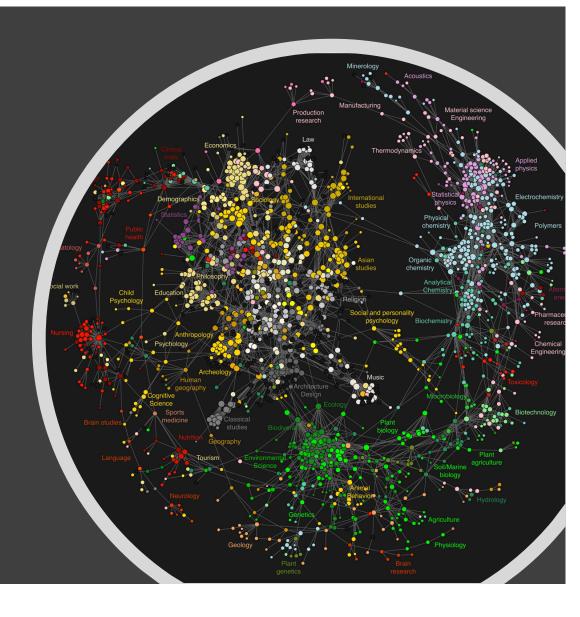
Xihao Liu

Yifan Shao

Yichun Cai

Zhihao Zhang

Wenqing Wang

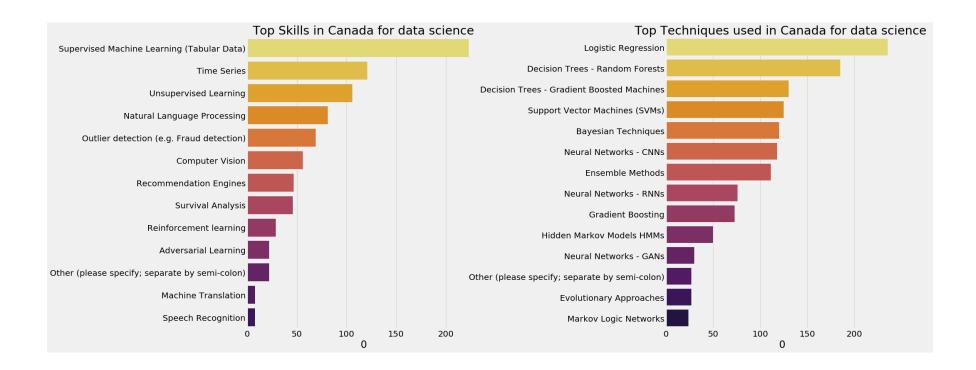


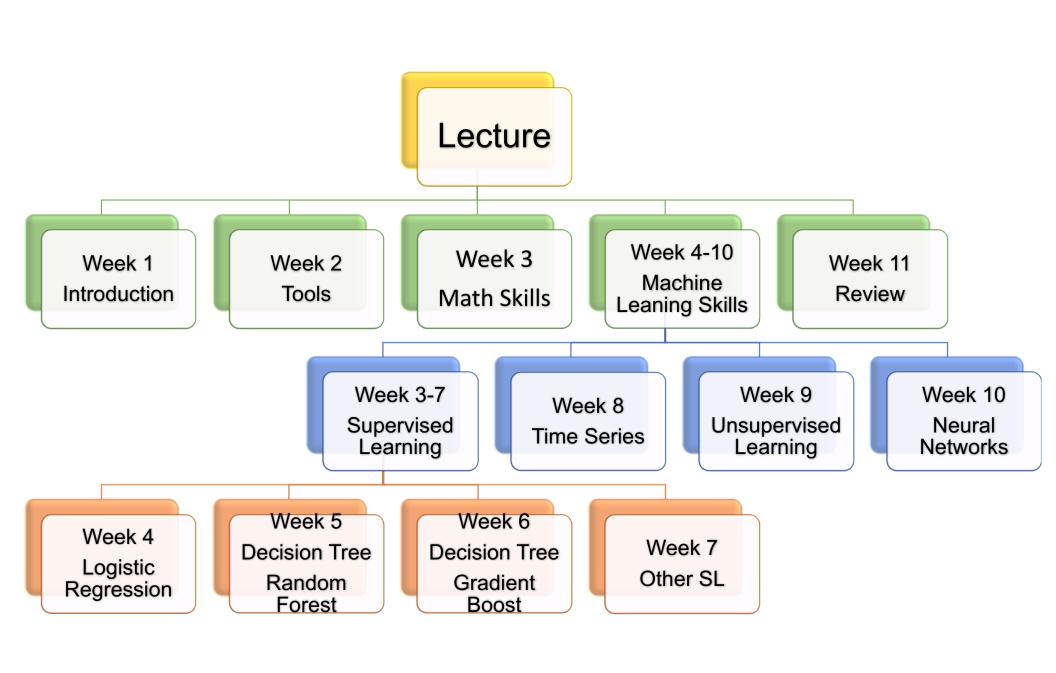
Overview

- 1. 1624 course curriculum design
- 2. M.D.S.A. and M.B.A.I program design
- 3. EdTech Startup

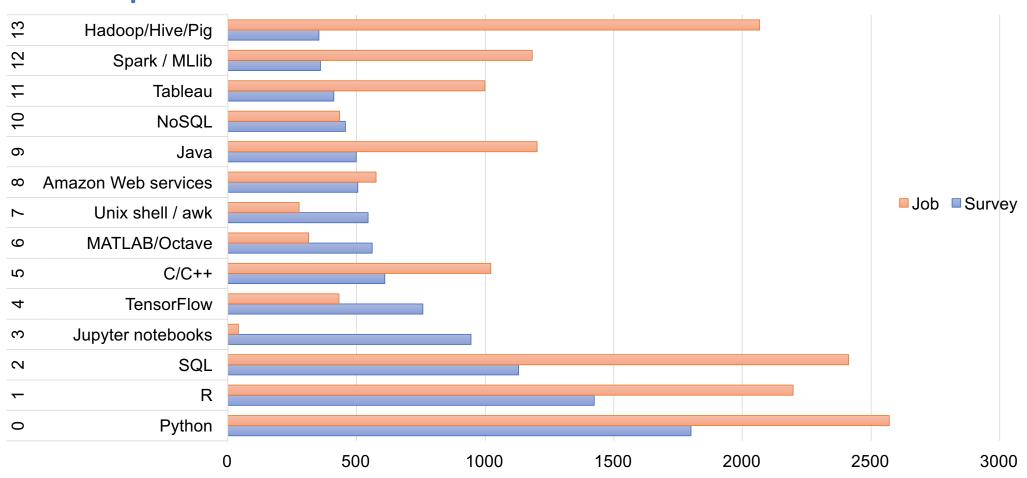
1624 course curriculum design

Top Skills from survey

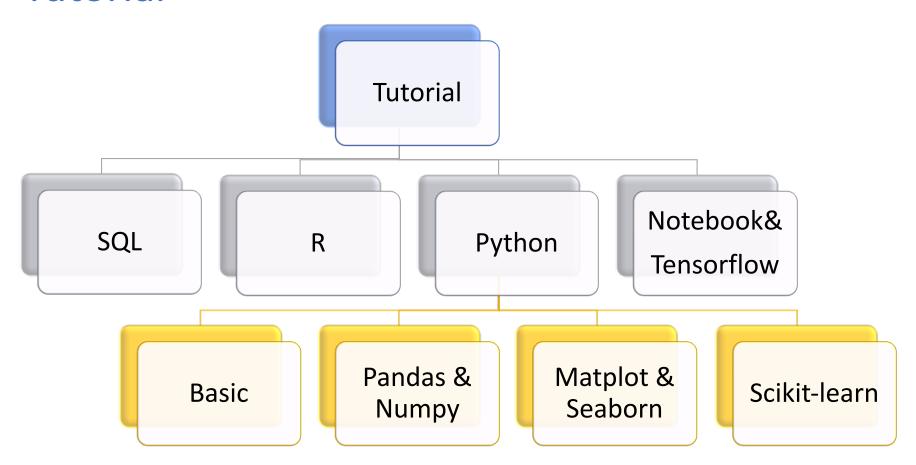




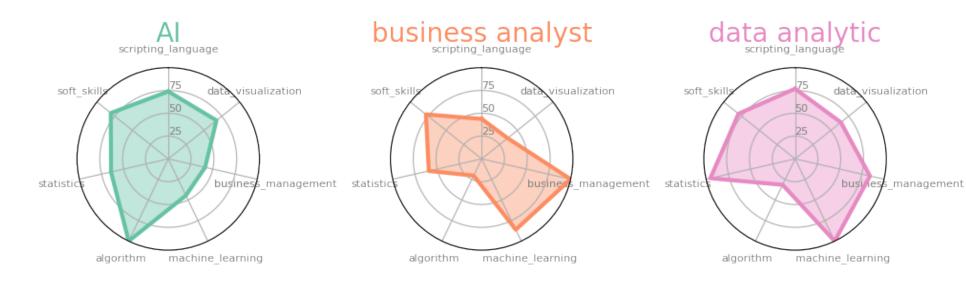
Top Tools

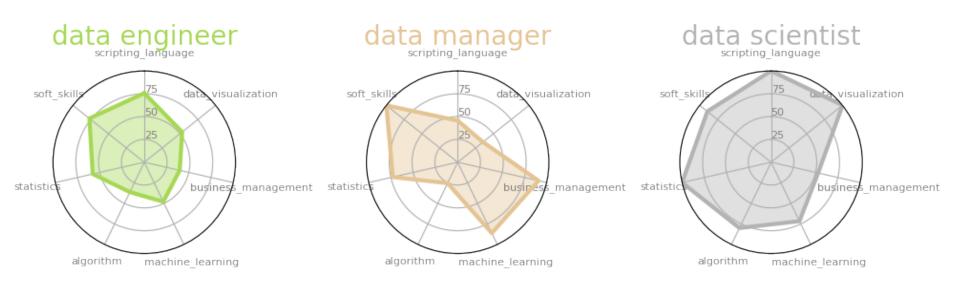


Tutorial

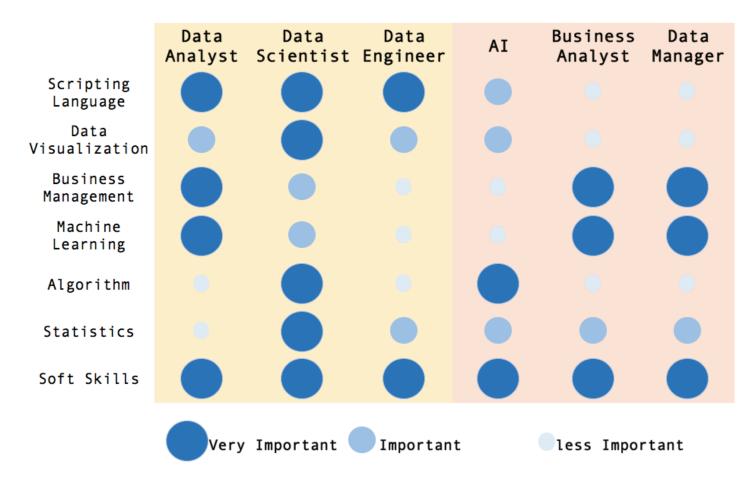


M.D.S.A. and M.B.A.I program design

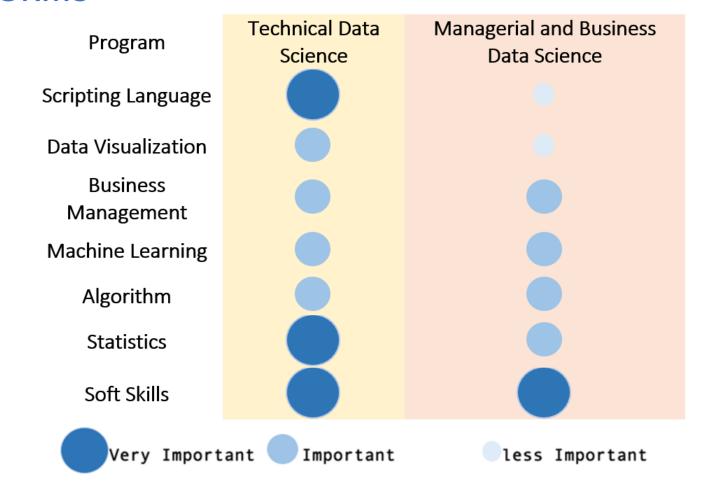




Job Skills



Courses Skills



M.D.S.A.

Semester 1

- Introduction of Data Science
- Data Wrangling
- Statistics
- 1 required course in data visualization

Semester 2

- Cloud Computing
- Business Communication & Analytics
- 1 required course in machine learning
- 1 required course in Algorithm

Semester 3

- 1 required course in
- business & management
- 1 free elective course

Semester 4

• Capstone Project

M.B.A.I.

Semester 1

- Introduction to Data Science
- Foundations of Al
- 1 required Statistic course
- 1 required Algorithm course

Semester 2

- Knowledge, Visualization and Communication
- Business
 Communications &
 Analytics Consulting
- 1 required course in machine learning
- 1 required course in business management

Semester 4

• Capstone Project

Semester 3

- 1 free elective course
- 1 free elective course

Users

- People who are interested in data science
- People who want to improve their skills in data science area
- Potential employers and employees in data science area

Questions

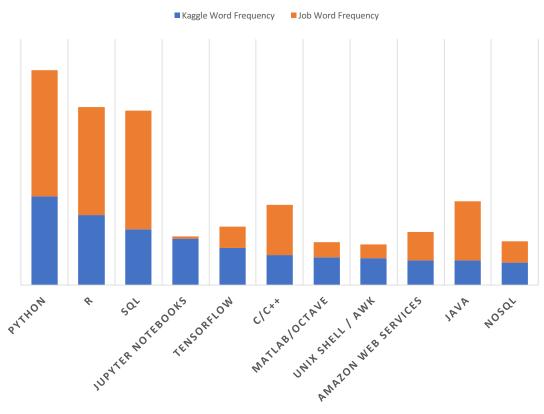
 How to help people to know data science and improve their technical skills?

• How to connect employers with our users ?

Solution 1

- Provide online courses about popular skills for users
- Provide practice sets and discussion board

TOP 10 KEY WORDS



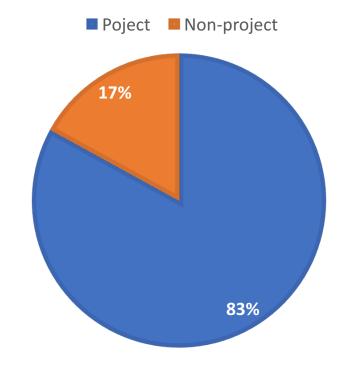
- According to K-Means analysis, we will emphasize skills in higher class.
- People will be more interested in skills which are in class 2.

Keyword	Class 0	Class 1	Class 2
Python			
R			
SQL			
Jupyter notebooks			
TensorFlow			
C/C++			
MATLAB/Octave			
Unix shell / awk			
Amazon Web services			
Java			
NoSQL			

Skills Classification Table

Solution 2

- Invite companies to provide open projects with realistic datasets on our website
- Users can upload resumes directly on our website, and potential employers can easily check their works here.



Percentage of Data Science Programs with Project

Question?