

Predicting Technology Trends

Using NLP & Deep Learning

David Mauger | Jan 2, 2020



Inspiration



Recruiting firms: Solving the Pipeline Frustration



Companies: Planning Accurate Tech Roadmaps

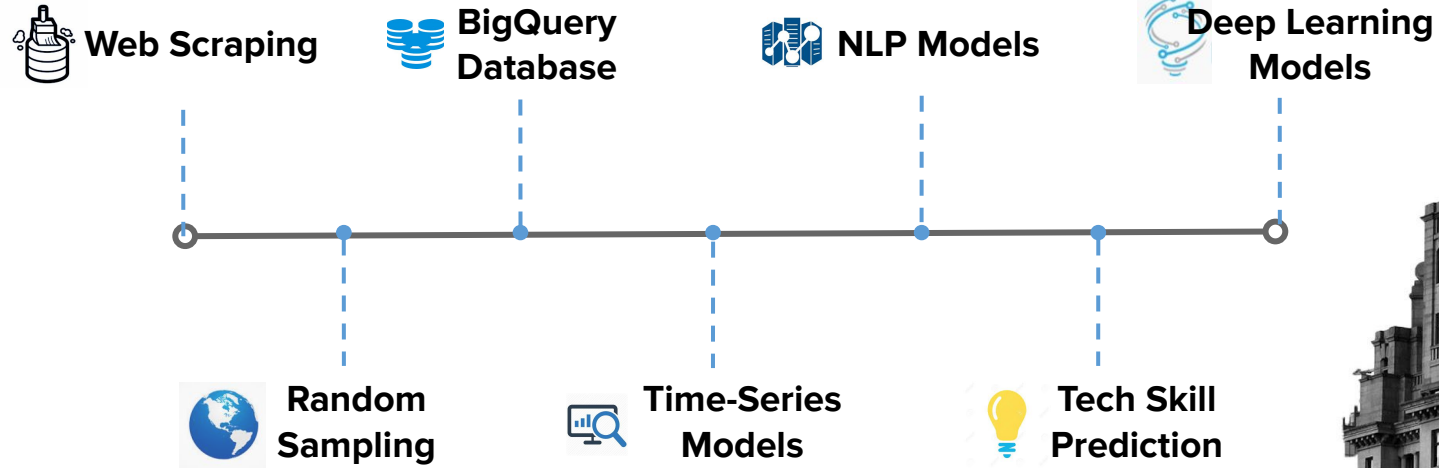


Job Seekers: Acquiring Emerging Tech Skills





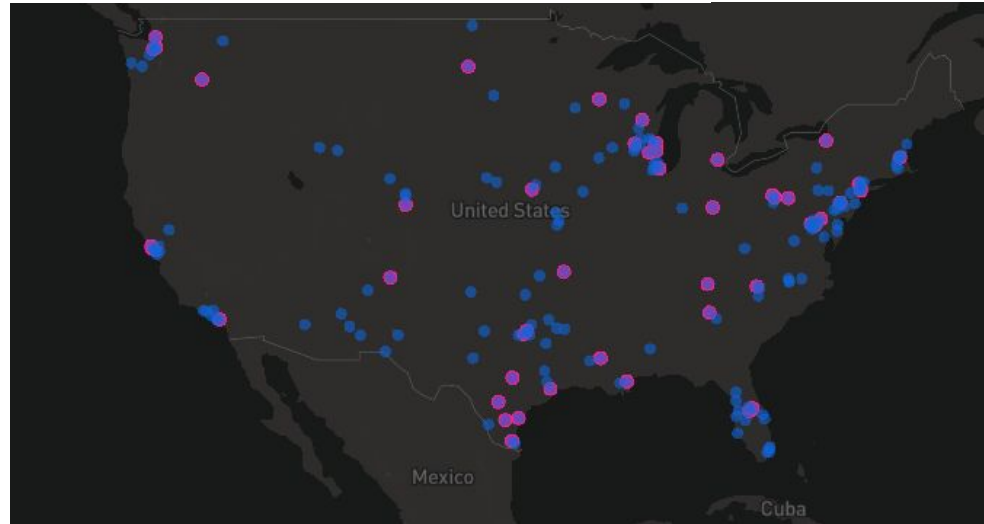
Methodology





Data Mining & Sampling

Database Results Web Results



// Sampling distribution and concentration of skills.



Time-Series Modeling

Tableau **Trend Observed:**

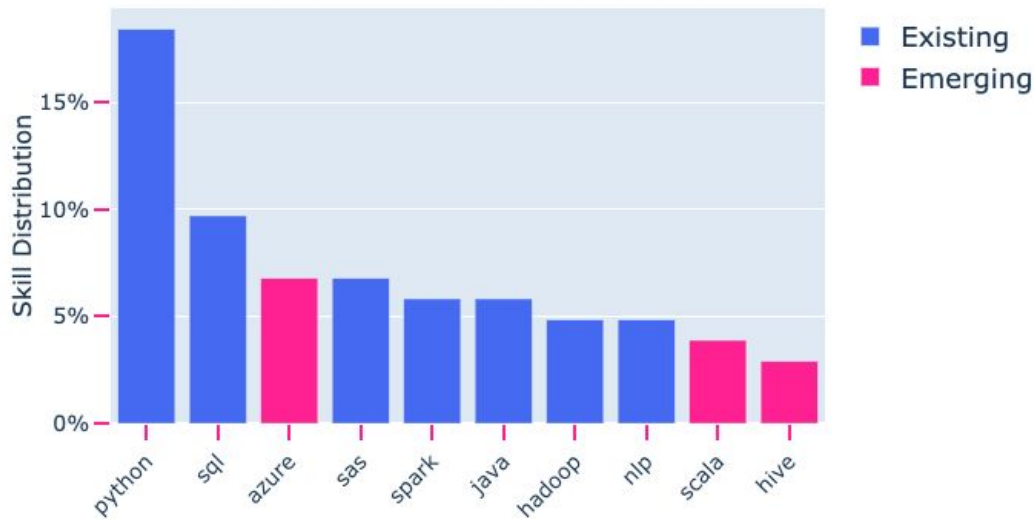


Trends of individual tech skills.

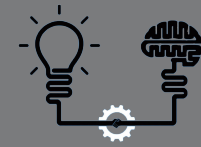




Natural Language Processing

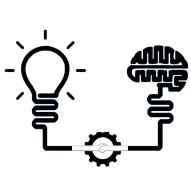


Emerging technology predicted for each skillset.

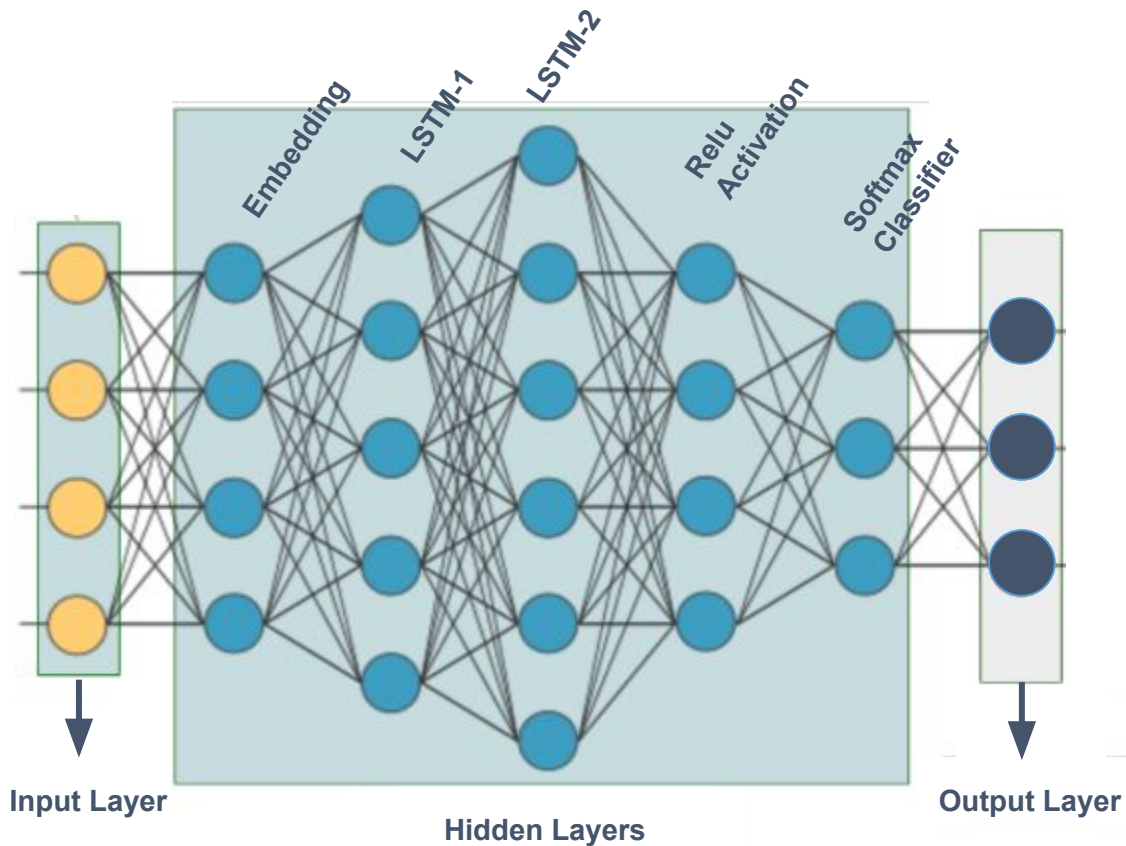


Future Work

- // Track emerging tech of competitors or leading tech organizations.
- // Broaden scope beyond technology and locations outside of the United States.
- // Train algorithm to identify relevant 'off-the-radar' tech skills.



Future Work



//THANK YOU!

