

Teaching Analytics, But Does It Match the Data?

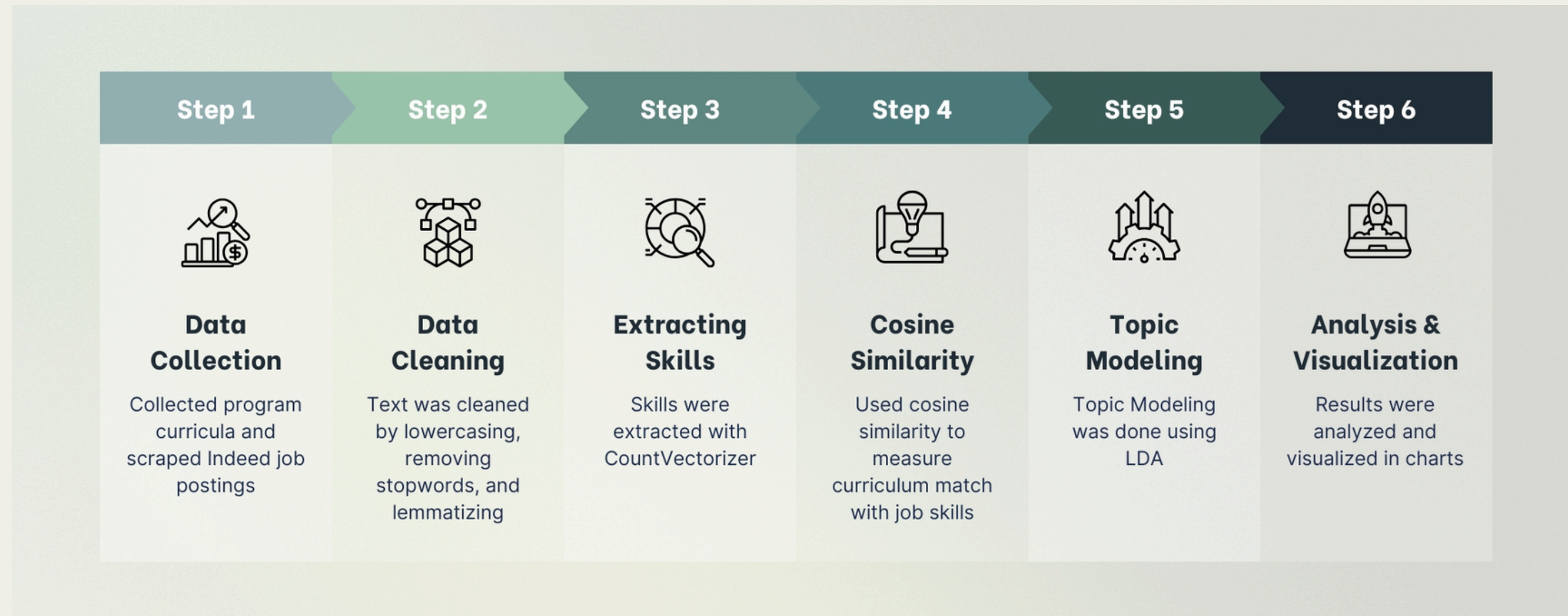
ANALYTICS FOR UNSTRUCTURED DATA

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PROBLEM STATEMENT

Are top MSBA programs teaching the skills employers want right now?

EVALUATION FRAMEWORK



DATA & SCOPE DETAILS

Top 5 US MSBA programs:

- Carnegie Mellon University
- Massachusetts Institute of Technology
- New York University
- Columbia University
- University of Texas at Austin

Ranked 5-10 US MSBA programs:

- University of Southern California
- University of Washington
- Purdue University
- Georgetown University
- University of Minnesota

Top Non-US MSBA programs:

- London Business School (UK)
- Imperial Business School (UK)
- Warwick Business School (UK)
- NUS Business School (Singapore)
- Melbourne Business School (Australia)

Job listings sample:

- Source: Indeed (US)
- Roles: Business Analyst, Data Analyst, Data Scientist
- Time: current listings as of October 2025

SKILL DETECTION

Data Analyst

- SQL
- Python
- Excel
- Power BI
- Tableau

Business Analyst

- SQL
- Excel
- Dashboards
- Power BI
- Tableau

Data Scientist

- Machine Learning
- Python
- SQL
- R
- Optimization

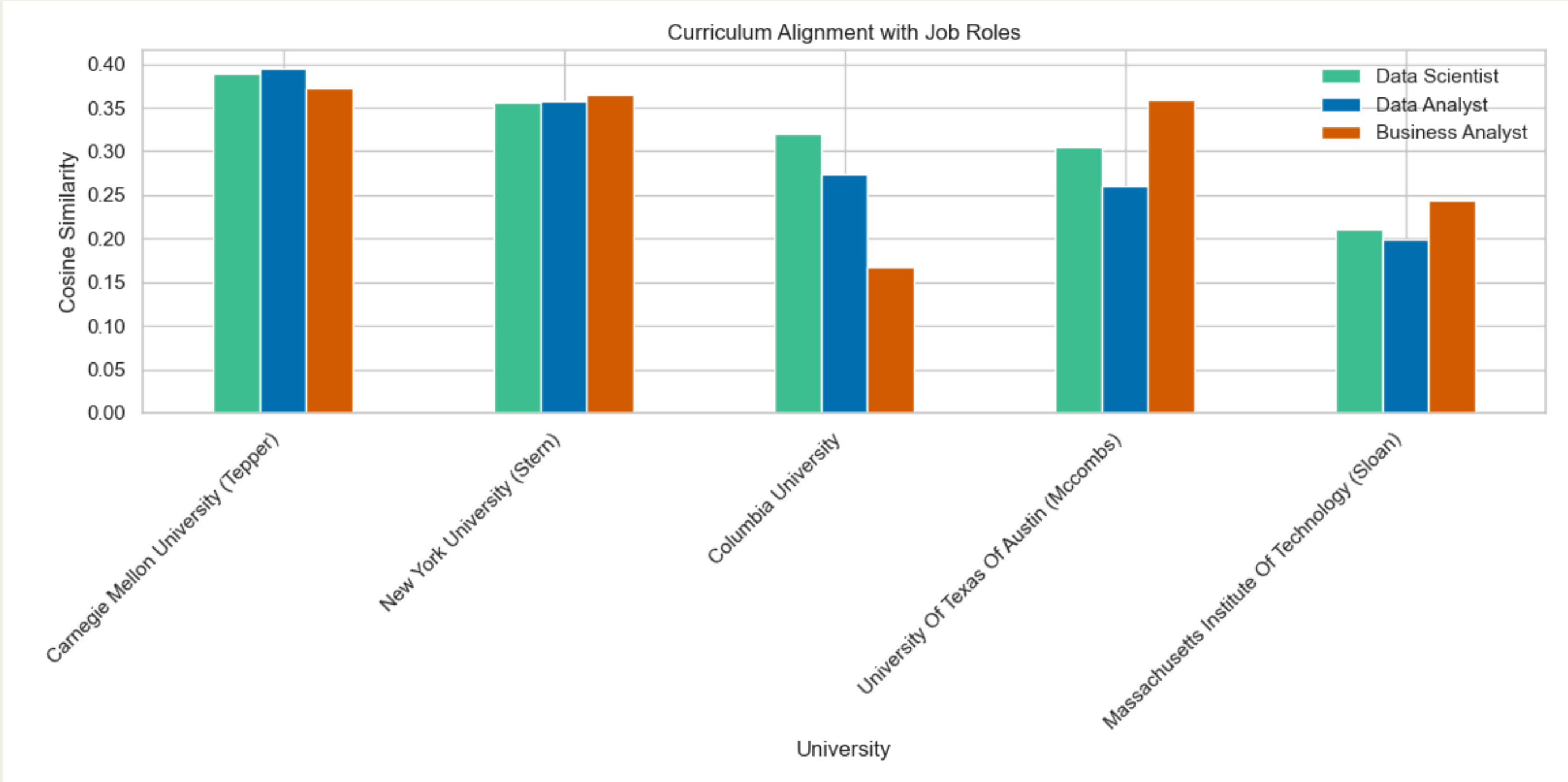
Skills from Curriculum

- Python
- Business analytics (covers SQL, statistics, visualization, basic machine learning concepts and decision making)

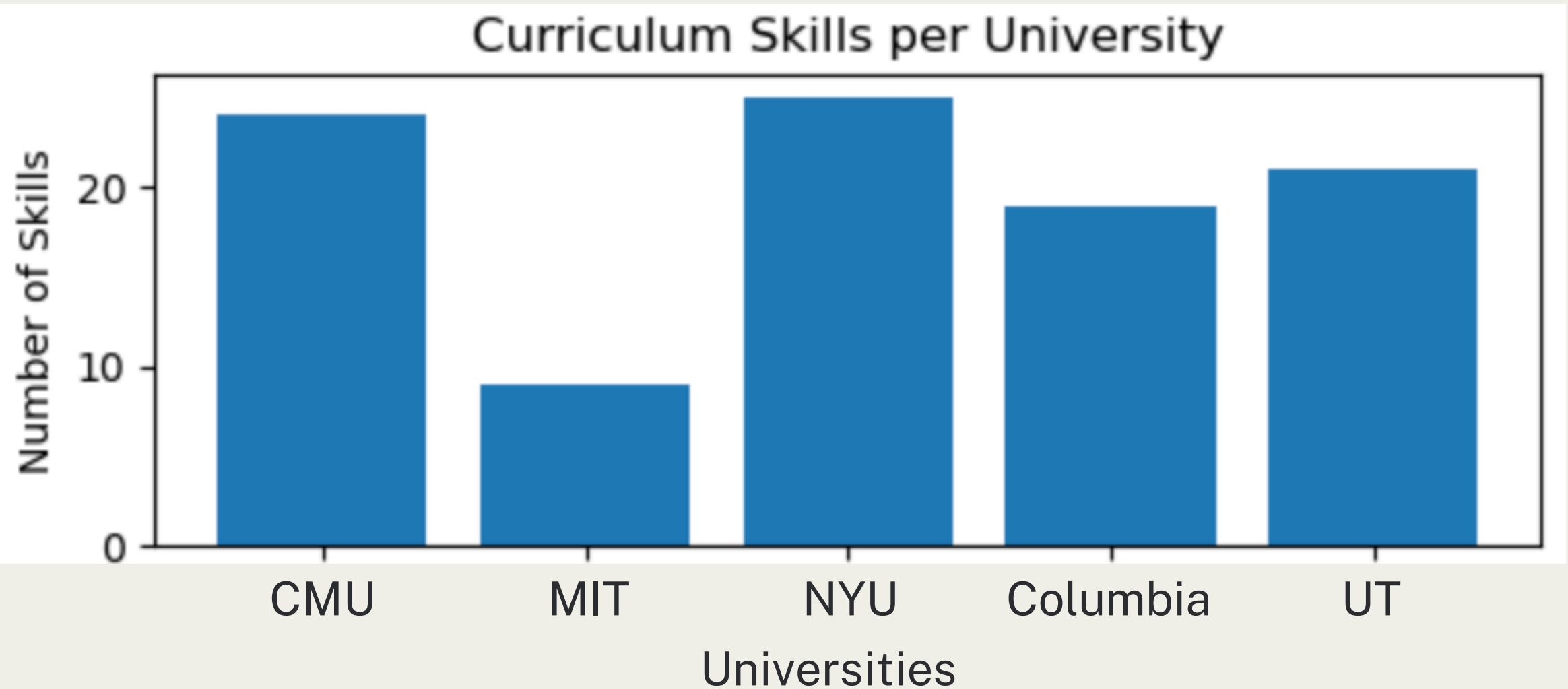
- Machine learning
- Regression
- Optimization
- R
- Statistics

- SQL
- Causal inference
- Data visualization

ALIGNMENT METRIC-TOP 5 UNIVERSITIES



WHY IS MIT NOT AT STRONGLY ALIGNED?



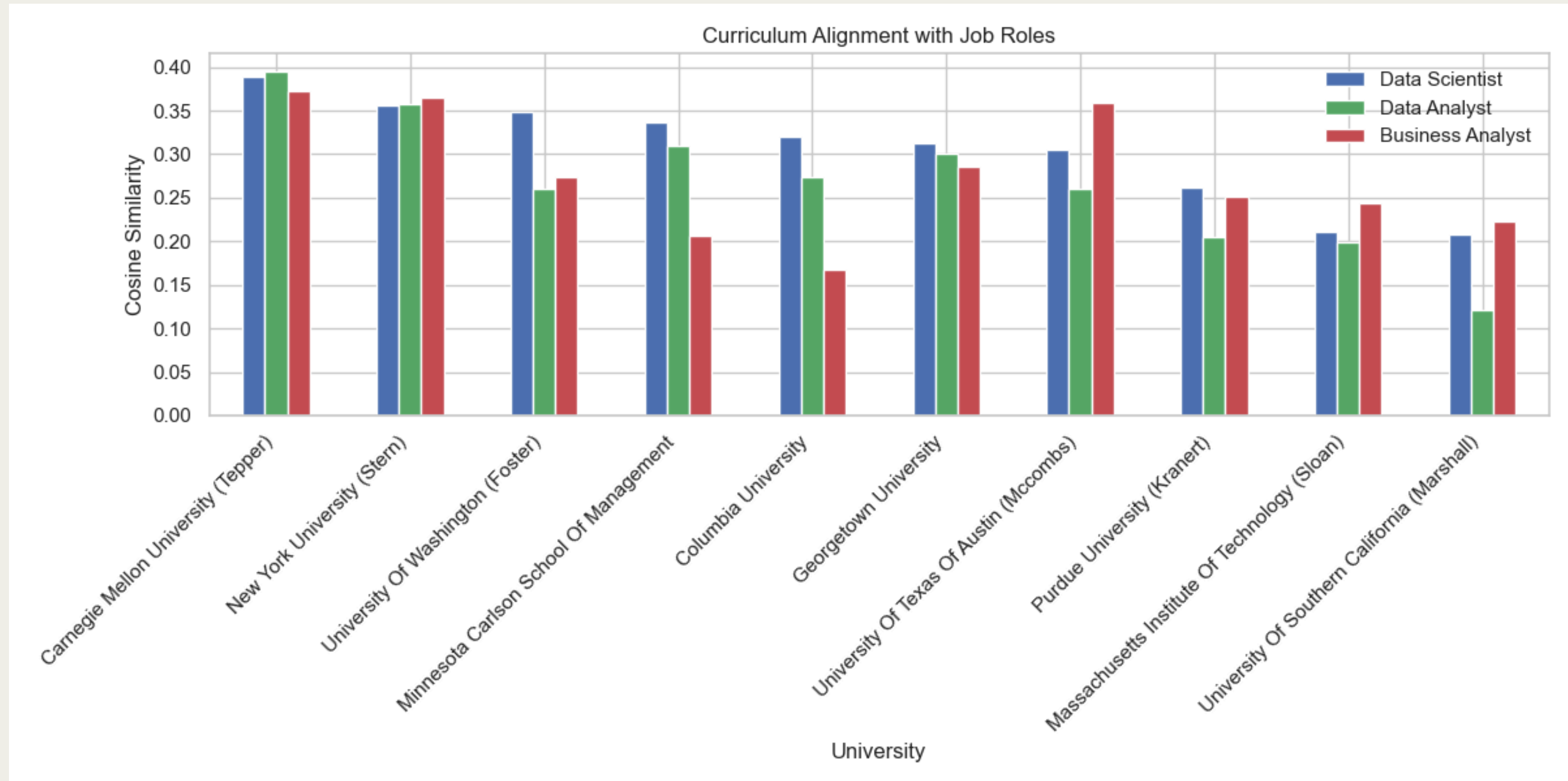
Missing Information

MIT has fewer skills listed in their curriculum and on their website.

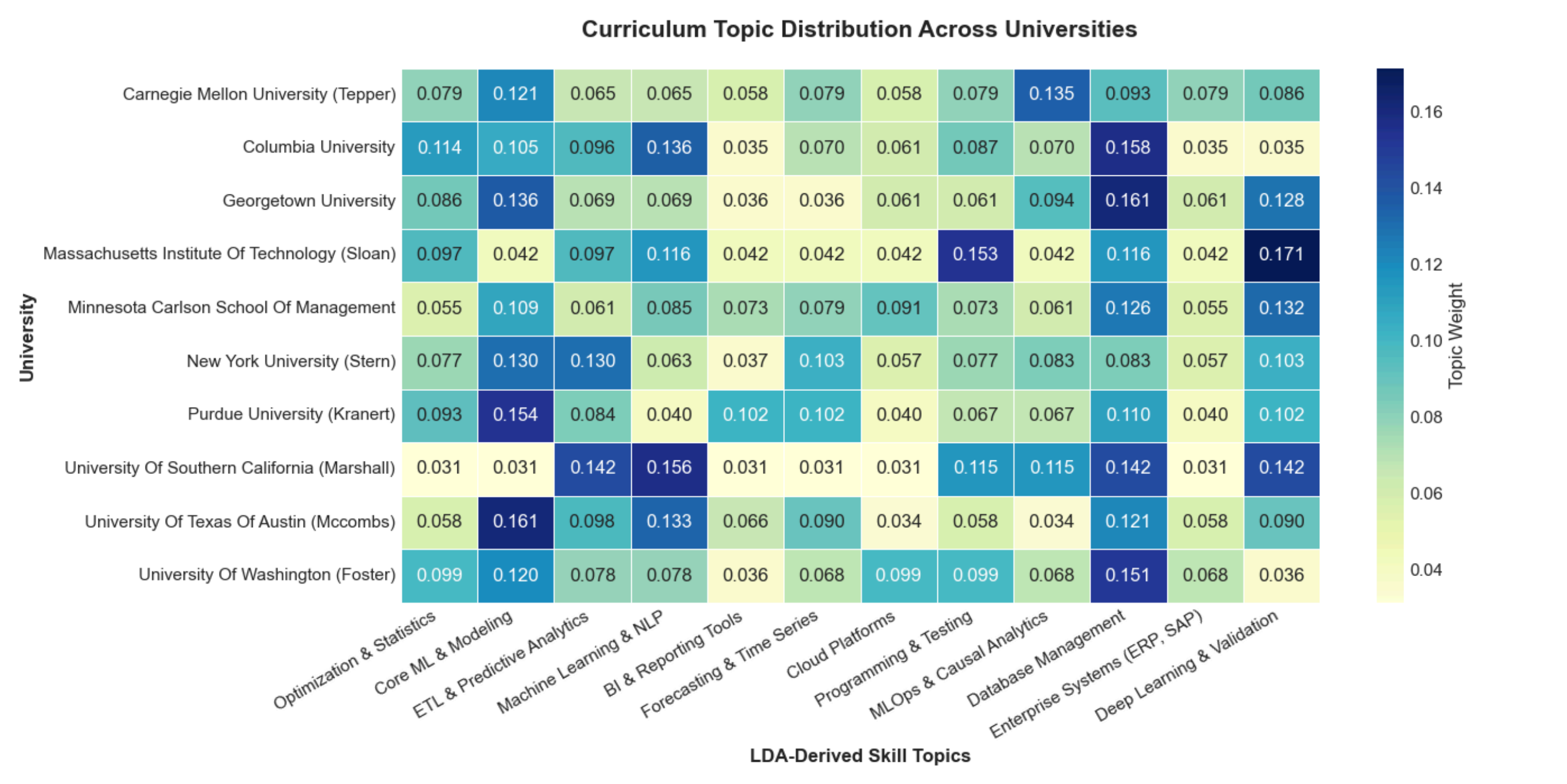
Significance

Future students are not receiving the same amount of information from MIT as other schools

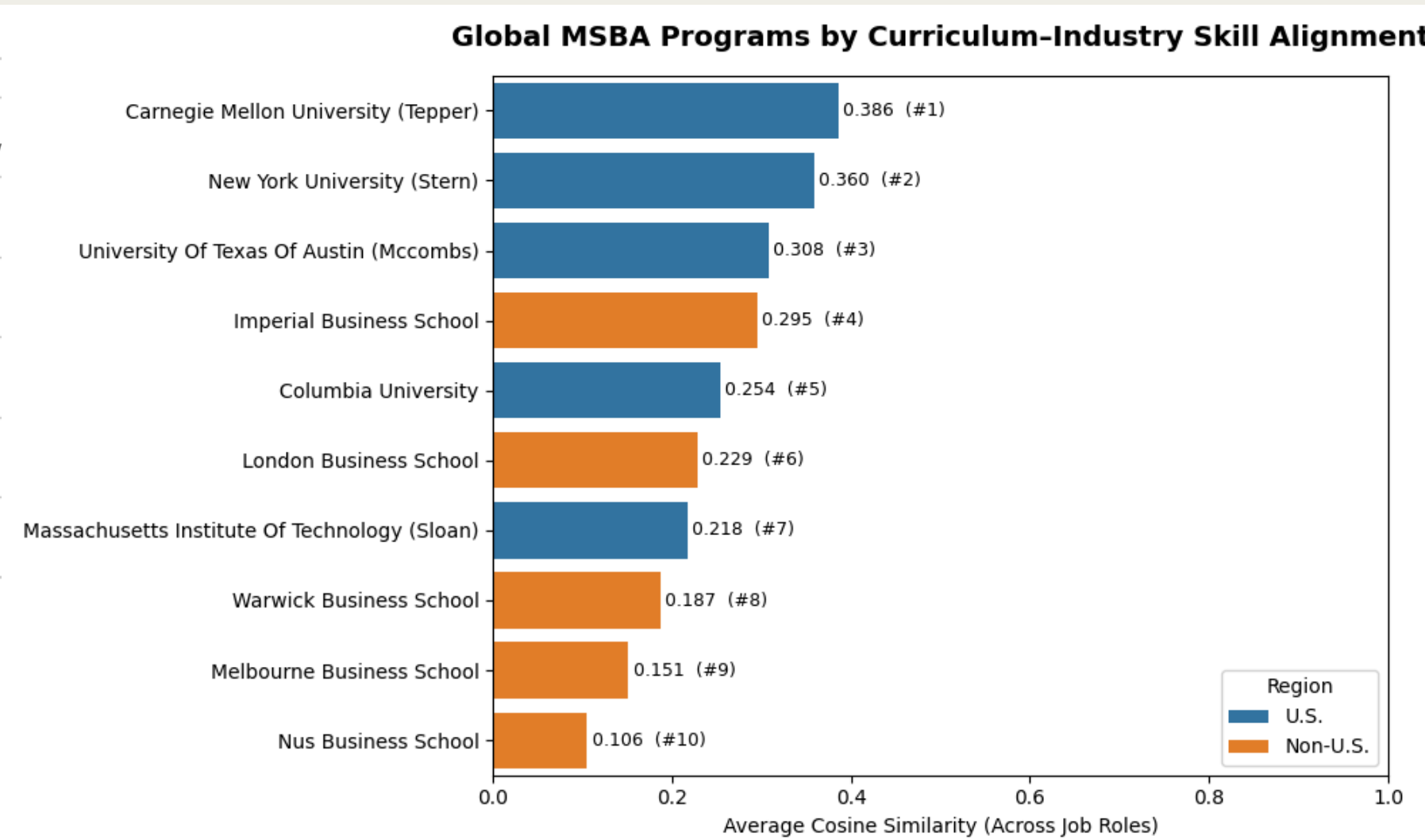
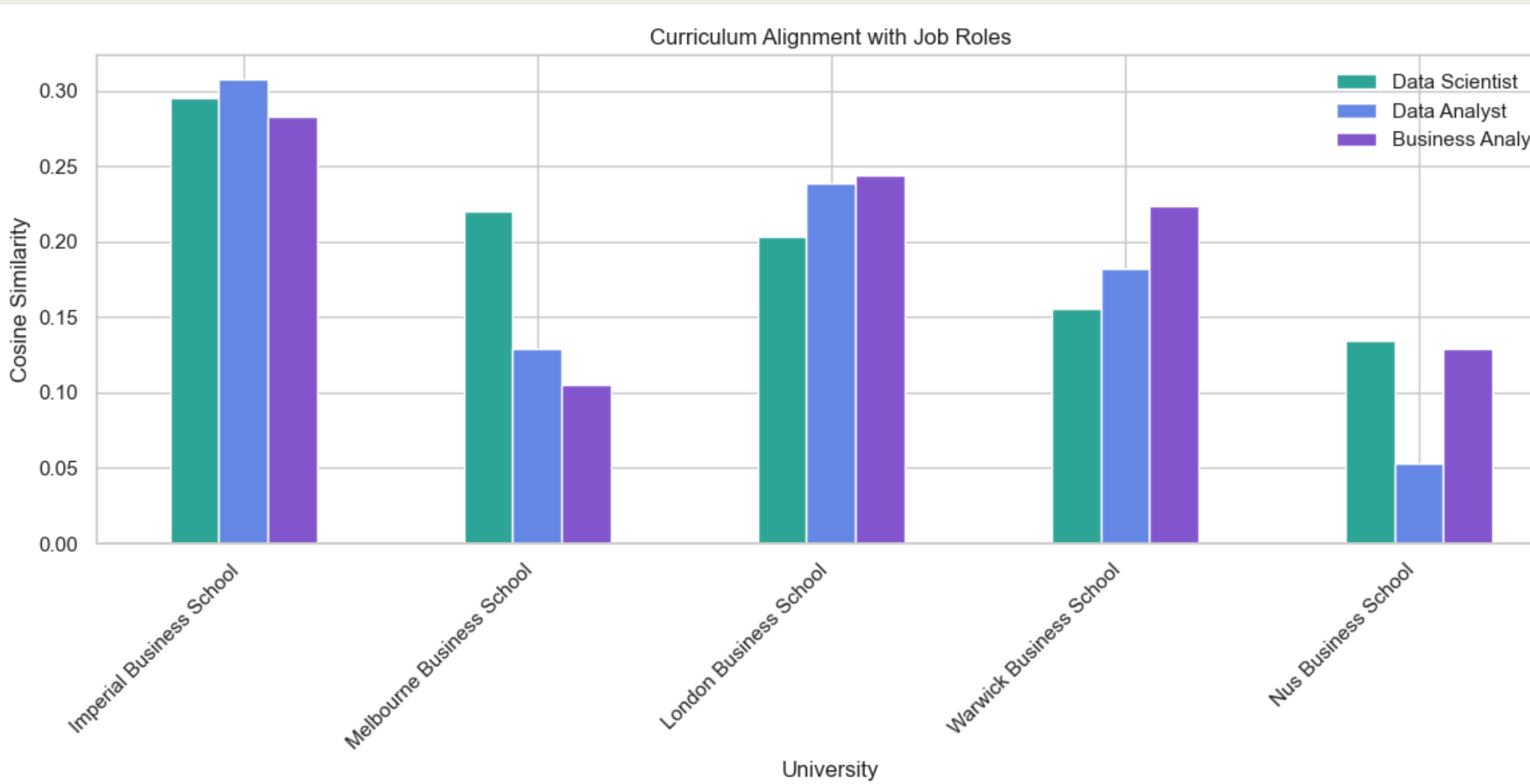
MARKET DEMAND VS CURRICULUM SUPPLY



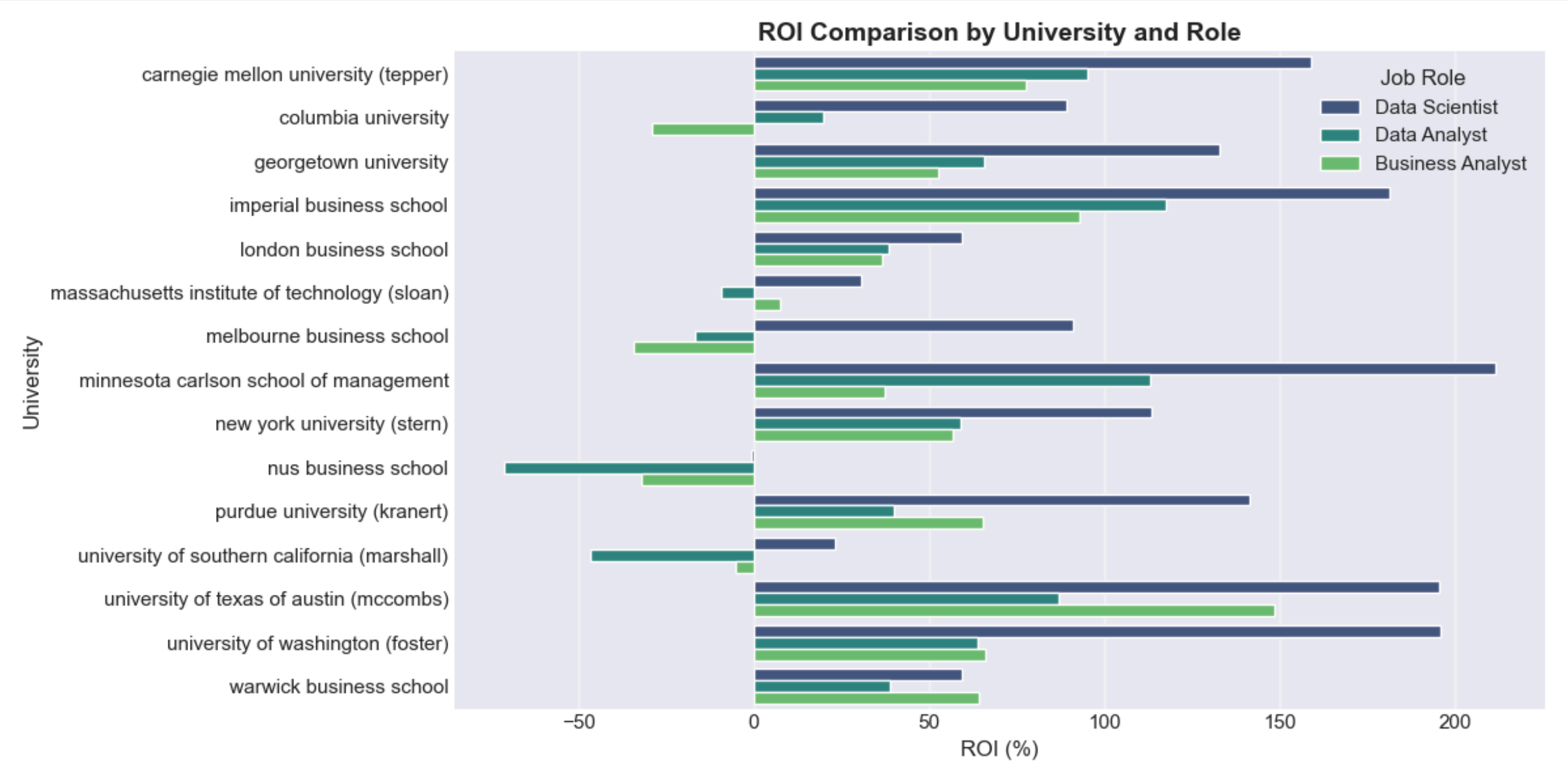
CURRICULUM TOPIC MIX BY UNIVERSITY



MARKET DEMAND VS CURRICULUM SUPPLY - NON US



ROI ANALYSIS OF GLOBAL MSBA PROGRAMS



CONCLUSION/TAKEAWAYS

- Do the top 5 MSBA programs align best with current job responsibilities?
- Is there truly a disconnect between certain job responsibilities and skills taught or are they just not properly advertised on university websites?
 - MIT SQL example
- How do top non-US schools prepare students compared to top US schools for US job descriptions?

Thank you!
