**Hostname:** hulttrio3mban2.mysql.database.azure.com

**Username:** prof\_luis

**Password:** clever\_password

**Command Prompt:** <https://www.youtube.com/watch?v=BCXGAlHPMtU>

**Question:** In the pursuit of a career in data-related roles, what strategic recommendations can be offered to students entering the job market regarding ideal industry, geographical location, and potential considerations for visa extension, in order to optimize career opportunities and professional growth?

Pursuing a career in the US can be daunting, especially with the uncertainty surrounding the visa process. Focusing on data-related jobs can be a smart move for those seeking visa stability. Thus, a systematic analysis of certified visas was conducted to guide students seeking careers in the “data” field. The process began by identifying the most in-demand data-related job roles by keyword filtering. The positions identified were *Database Administrators*, *Data Warehousing Specialists*, *Database Architects*, *Clinical Data Managers*, and *Data Scientists;* respectively*.*

While not all industries might be of interest to students, further analysis considered the industries where these roles were most prevalent. The top three industries offering those positions were *Custom Computer Programming Services*, *Internet Publishing and Broadcasting and Web Search Portals*, and *Computing Infrastructure Providers, Data Processing, Web Hosting, and Related Services*; respectively.

Following, the geographical location analysis –of the given positions in the given industries– revealed the presence in 43 states. The top three states were Illinois, Texas, and California. Nonetheless, they are particularly concentrated in Illinois with over two thousand data-related jobs. These insights provide valuable guidance for students seeking to target specific locations in their job search, as the geographic distribution of data-related roles can influence job availability and competitiveness in those areas.

It is crucial to note that the average processing time for obtaining an H1-B visa for the positions previously mentioned is approximately 365 days. In conclusion, it is recommended that students entering the data job market focus on the above industries and locations for their prominence and favorable visa extension prospects.

**Appendix**









