**Week 7 Discussion**

Why do you think companies are spending so much time focusing on technical/programming types of questions in data science interviews? In your own opinion why do you think there is a focus at many of these companies on data structures and algorithms/efficient programming and less of an emphasis on the modeling aspect of the interview? Do some research on the data science coding interview process and provide an argument as to why companies put so much emphasis on this nowadays. Please respond to 3 other students' posts.

Companies spend so much time focusing on technical and programming questions because they are an excellent overall skill assessment tool and a great test of a candidate's problem-solving abilities. Questions can be scaled harder or easier depending on the candidate’s knowledge level to cater to different positions. In addition to this, data structures and algorithms are the fundamentals of software development, and knowledge related to them is essential no matter what language or technology is used. Those questions challenge candidates to think analytically and problem-solve effectively, which are crucial for succeeding in a data science position. As the job market gets increasingly competitive, employers must select candidates with the most well-rounded and efficient skillset, and technical interviews are a great way to put those skills to the test.

Sources:

Blogs, L. (2023, June 20). Why Maang companies focus on Data Structures and algorithms (DSA). Medium. https://medium.com/@Learnbay\_official/why-maang-companies-focus-on-data-structures-and-algorithms-dsa-9b6806c6cf2e

GeeksforGeeks. (2023, January 26). Why companies like Amazon, Microsoft, Google focuses on data structures and algorithms : Answered. GeeksforGeeks. https://www.geeksforgeeks.org/why-companies-like-amazon-microsoft-google-focuses-on-data-structures-and-algorithms-answered/