

Homework 6

Reflecting on the work I've done so far, it's clear that while the focus has been on mastering SQL skills, ethical considerations and issues of equity should play a larger role in how I approach database tasks. One area where I would adjust my approach is data privacy. In SQL, it's easy to focus solely on technical outcomes like query performance or data accuracy, but ensuring that sensitive information is protected must be a priority. For example, if I were handling customer or patient data, I would implement stricter access control policies in any queries or database design to ensure that sensitive data is only accessible to authorized personnel.

Another important ethical consideration is bias in data. While using SQL, the structure of queries and tables could inadvertently reinforce biases if not handled carefully. For instance, when dealing with sales or customer demographics, it's important to ensure that the way data is collected and stored doesn't marginalize or misrepresent certain groups. To adjust for this, I would make sure that data representation is diverse and equitable, avoiding biased categorizations that could influence the outcome of queries in ways that favor certain groups over others. This would also include critically assessing data sources and ensuring they do not perpetuate inequities.

Lastly, I would also consider the ethical implications of data access and labour rights in data entry. Those involved in the early stages of data management, such as data entry workers, play a crucial role in the accuracy and fairness of the final datasets. Ensuring fair working conditions and proper training for these workers would not only improve data quality but also uphold ethical standards within the broader system.