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CSCI 331

Notes on Fully Qualified Domains, Fully Qualified Table Names, and Taxonomies

- For the group presentation, I was tasked with working on slides 16-18.
- In slide 17, I describe how all of the concepts in our slide connect, and reiterate the concepts of Taxonomy, Fully Qualified Domains (FQDs), and Fully Qualified Table Names (FTQNs). In slide 18, I go a bit more in depth to what each of these definitions mean.
- While doing research on Taxonomy, FQD's, and FTQNS I learned that a Taxonomy is a way to organize and classify data. In other words, it's a system of classifying objects. I also learned that a Fully Qualified Domain (FQD) is a complete address that specifies a complete location. One of the benefits of implementing FQDS is accuracy, in which errors are minimized and ensure clarity. Another benefit of this is management, by helping names be easily identifiable and avoiding confusion when using the same name in different tables. For FTQNs, I learned that they are essentially a table name that consists of 3 parts: the location where the table is stored, the schema name, and the SQL identifier at the end. All three parts are separated by a period. One reason why FTQN's are important is because that they eliminate ambiguity, by specifying the exact location, schema, and SQL identifier, which ensures clarity. Another reason why is that they enable joining of tables from different projects, without the risk of accessing the wrong data. One other reason is that views which use FQTNs stay accurate, even as projects or datasets grow.

## Sources Cited

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