

### **Assignment 3: Assessing Business Analytics**

*By*

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In the Business Analytics part, I have completed one course CIDM 6308 - Seminar in Data Analytics in Fall'23 semester and another course CIDM 6312 - Seminar in Information Visualization in the Spring'23 semester.

In this reflective assessment, I will thoroughly explore my competencies, strengths, weaknesses, and potential areas for improvement, focusing specifically on the domain of Business Analytics. Through a detailed examination of completed coursework, samples of submitted work, and relevant sources I've consulted, my aim is to offer a comprehensive overview of my abilities and preparedness to employ this knowledge in future endeavors. This assessment holds relevance in terms of how I can contribute effectively to the forthcoming capstone project.

#### **What do I know: competencies, skills, and knowledge:**

Seminar in Data Analytics:

From this course my takeouts are data analysis using excel, data story telling using tableau, and supervised and unsupervised data mining using RapidMiner.

I also learned introduction to time series forecasting, unified foundation of data analytics, what is big data, data preparation and integration, and so on.

From Seminar in Information Visualization course:

From this course I learned how to use Jupiter notebook. Various visualization tools. Data preparation and cleaning, data slicing, and so on.

#### **Areas of Improvement:**

From Seminar in Data Analytics:

Data story telling using tableau needs more practice. Also using excel I sometimes get confused. This also needs more practice.

From Seminar in Information Visualization course:

Some statistical analysis and cognitive issues behind information visualization.

Future: What do you wish you knew and/or don't realize you are missing:

From Seminar in Data Analytics:

I wish to become more proficient in data analysis using excel. I am planning to practice more.

From the Seminar in Information Visualization course:

I wish I could know more about statistical analysis and the in-depth concept of it. I am planning to study more statistical analysis.

Contribution Towards the Capstone:

I have developed a project outline for my capstone project. For this project, I plan to develop software for doctors to predict the risks of diabetes for their patients. This application aims to predict the likelihood of a particular patient developing diabetes.

Why Business Analytics is Integratable:

For data preparation and cleaning, in developing machine learning models or algorithms, visualizing the results, and for future analysis, the knowledge and skills from Business Analytics are integratable with this project.