

Economic: There are currently no financial limitations to our project solution. We are using freeware and shareware. Some examples of the freeware we are using is VSCode for the actual programming of our project. We are importing our data into well known and reputable free networks like MPNet to embed our data into semantic vectors. The solution we are making could eventually be implemented in an environment for brainstorming where a topic would be input into our network and the output would be topics that are similar or related. This would keep the thought process moving and unlock topics that could have potentially been skipped over or ignored. This system would be beneficial in professional and educational environments. Additionally, the datasets we are using for the project are all free to view and download.

Professional: This project applies specialized expertise in the area of machine learning, neural networks, and natural language processing. At the beginning of this project, our team had not been heavily exposed to these topics. We have developed into a group that has teamed with an advisor who specializes in these topics along with gathered resources that are vital in helping us become more knowledgeable in this field. Overall, this project is giving us a chance to learn about these topics and contribute our growing knowledge in the field.

Legal: There are multiple legal constraints that we have to be aware of for this project. The first legal constraint is the use of copyright documents or text. We have to ensure that any documents or text that we use for our data set to train and test our system is fully legal to use. This will become especially relevant and important if we publicize anything about our system. If we did decide on using a protected document or text, we would have to obtain permission from the author. Along with any legal issues we could run into, we also must make sure our system follows an ethical code and our individual ethical standards.