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Artificial Intelligence Project

Artificial Intelligence (AI) is the type of learning utilized by computers or machines that is equivalent to that of human intelligence. AI allows computers or machines to perform more complex tasks that usually require a human brain to accomplish. AI provides computers and machines problem-solving and decision-making skills. It gives machines the capability to think as humans would, in a rational and well-thought-out way. AI is powered by both deep learning and machine learning. Deep learning and machine learning are similar but differ in how the computer or machine learns. Machine learning relies on human intervention to learn, while deep learning does not require manual human intervention and permits the use of larger data sets. AI is important because it is the future of all business decision making. It is also important because it forms the basis for all computer learning.

AI relates to the material we covered in MIS2502 because it stores the information and data retrieved in SQL databases. A SQL database can work alongside AI by providing it a place to store data. SQL is required to format data to be used by AI algorithms to help improve pattern detection. It also can be used to clean and prepare data for future usage.

AI is all over the world, even if you do not notice it. A prominent example of AI in everyday life is Netflix's recommendations. Through Artificial Intelligence, Netflix is able to recognize viewers’ patterns and habits. From these patterns and through AI, Netflix is able to present its viewers with recommendations that they might like. Another example is Alexa, Siri, or Google Home smart speakers. These virtual assistants work to provide music, weather, recipes, and much more information on just about anything that a user can ask. These virtual assistants use AI to recognize their users' likes and dislikes to provide better suited information for its user. For example, it recognizes when a user asks to skip or play a specific song or genre. Recognizing users' music interests, through AI, is able to provide better song suggestions and playlists based on the users’ past requests.

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