

INSY 4054 Emerging Technologies (Spring 2021)

Assignment 1

Q. Watch the following video at least once (preferably twice). Based on the video, **explain** how neural networks work. In addition, **explain** the meaning of “learning” and a “neuron” in the context of neural networks.

Video: <https://www.youtube.com/watch?v=aircAruvnKk>

Note: You do not need to focus on the details of the mathematical aspects of machine learning.

Note: Part 2 of the video is optional.

Your document must follow these guidelines:

- 2 pages in total (excluding your name and references)
- Font: Calibri or Arial
- Font size: 11 or 12
- Line space: 1 or 1.15 (single space)
- Normal margins (top, bottom, left, right: 1")
- If you have to copy anything from a source (including from the video), you must put it in quotation marks and mention the reference at the end of your document
- In total, a MAXIMUM of 10% of your document can be copied from other sources (when properly quoted and referenced). Beyond 10%, you will lose 0.5 out of 5 points per line or sentence, whichever is shorter.
- Do not include these instructions in your document.

NOTE: This is an individual assignment. While you are allowed to collaborate with other classmates, copying the code or comments from others is not allowed. Any violations of the Academic Honesty will be handled according to the course syllabus and Marquette University's policies.