**Graded Discussion 2**

Extracting powerful feature maps from unstructured data is a key step in building effective machine learning applications. Accurate function approximation is only possible with a good feature map. Fully connected NNs can create powerful feature maps, but at the expense of a large number of weights which must be learned. Whereas, CNNs can learn powerful feature maps with a limited number of parameters.

These consider an application of machine learning to unstructured data you are interested in. What is the application? At least conceptually, considering issues of scale, complexity and difficulty of learning, how can you envision CNNs working to create the feature map. If you can find examples of suitable CNNs used to create the required feature map, or something similar, please share them.

For this topic, make a post of about 100-300 words here in Piazza. Then post a comment of suggestion on another students post of about 100-200 words.  Posts are due by April 25. Do not post respond in Canvas.