Neural Networks- Journal A

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For this initial week of the project, I have mainly been reading up on Convolutional Neural Networks and watching YouTube videos about the subject to get a better understanding of the theory and how one would attempt to code a model. I have also begun reading the book Deep Learning by Ian Goodfellow, Yoshua Bengio and Aaron Courville. I read the first three chapters of the book: Introduction, Linear Algebra, and Probability and Information Theory.

Some of the articles I read over the past week:

- https://www.analyticsvidhya.com/blog/2021/07/convolution-neural-network-better-understanding/
- https://machinelearningmastery.com/convolutional-layers-for-deep-learning-neural-networks/
- https://machinelearningmastery.com/understanding-the-design-of-a-convolutional-neural-network/
- https://www.simplilearn.com/tutorials/deep-learning-tutorial/convolutional-neural-network
- https://towardsdatascience.com/a-comprehensive-guide-to-convolutional-neural-networks-the-eli5-way-3bd2b1164a53

Next week I plan on studying the subject more, reading more of the book and I expect to have done a lot of if not the whole Datacamp course "Image processing with Keras".