CST 463 - Advanced Machine Learning

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# Lab: Transformers

**Please work with your team**.

1. Get out an actual piece of paper and a pen/pencil. Looking at the Geron picture of a transformer, draw the encoding part by hand. Try doing it a second time from memory.
2. Walk through the code in the lecture together with your teammates to see how it relates to the diagrams of the transformer architecture.
3. Look in Section 11.4.3 in the Chollet text ([see our O'Reilly class playlist](https://learning.oreilly.com/playlists/)) and look at Chollet's code for text classification with the transformer encoder.
4. Go to huggingface.co and see if you can figure out how to get a pretrained model for text classification. How would you use the model? Does it cost money to download it? You may want to refer to our Geron text, which discusses huggingface.