ANNs and BP (6 lectures)

Date	Lecture notes	Tasks
09/16	From linear regression to Artificial neural networks (ANNs). (https://canvas.uidaho.edu/courses/30734/files/3398131?wrap=1)	**Read** Sections 2.1 to 2.5, *The Science of DL*
09/18	Fully Connected NN Architectures (https://canvas.uidaho.edu/courses/30734/files/3398540?wrap=1)	**Read** Sections 2.1 to 2.5, *The Science of DL*
09/23	BP (https://canvas.uidaho.edu/courses/30734/files/3425174?wrap=1)	**Read** Sections 2.9 to 2.16, *The Science of DL*
09/25	Neural Network Implementation (https://canvas.uidaho.edu/courses/30734/files/3430987?wrap=1) F24_DL_lecture 11_NN implementation.ipynb (https://canvas.uidaho.edu/courses/30734/files/3430988?wrap=1) (https://canvas.uidaho.edu/courses/30734/files/3430988/download?download_frd=1)	***HW 3: BP***
09/30	MLP, Autoencoder, and SOM (https://canvas.uidaho.edu/courses/30734/files/3268222?wrap=1)	**Read** Autoencoders, Chapter 14, Deep Learning (https://www.deeplearningbook.org/contents/autoencod .
10/02	Vanishing Gradient Problem and Early Stopping (https://canvas.uidaho.edu/courses/30734/files/3460010?wrap=1)	