DSSL@CSU, Fall 2020
`https://dssl-csu.github.io/about`
Leading Discussants: Daniel Cooley and Mantautas Rimkus, Colorado State University.

Meeting 2, 9/30/2020. Scribed by Mantautas Rimkus.

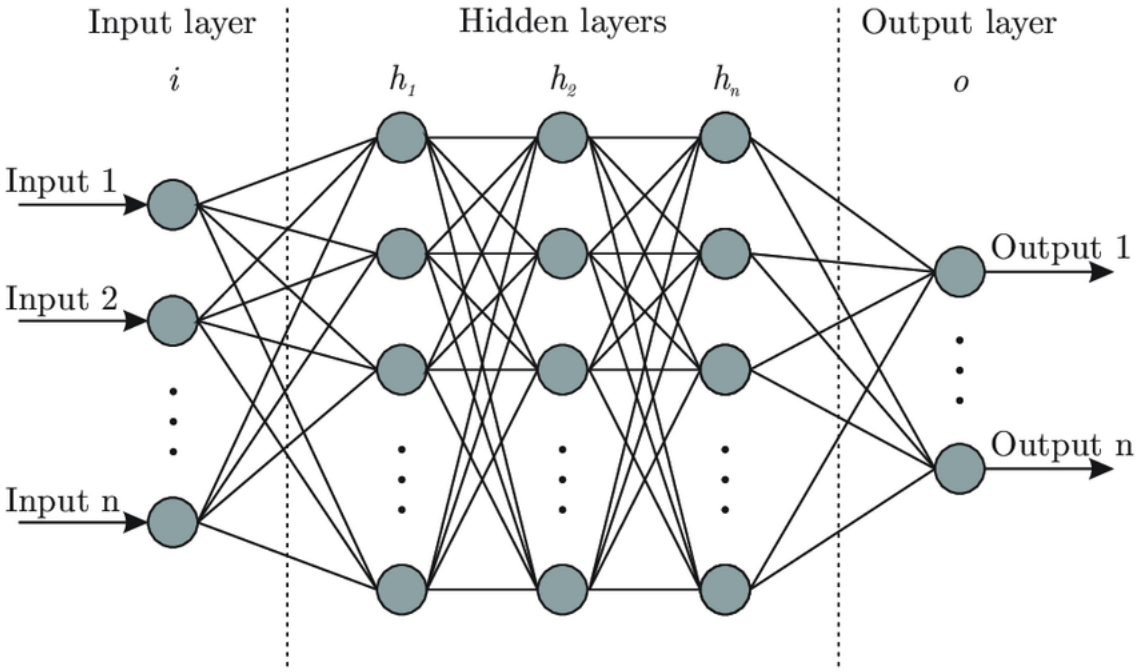

Figure 1: Neural Network

1. All chapters before 4: additional notices, clarifications?
2. Dataset debugging
   - "... ours picks the pints with bigger $|\alpha_{i,j}|$". In caption figure 2 it says "By inspecting the training points using the representer value". Does that mean, that representer value is $\alpha_{i,j}$? That contradicts with explanation in Theorem 3.1
3. Positive and Inhibitory Examples
   - Figure 3 and 4: testing and training data points relations.
4. Understanding Misclassified Examples
   - An idea taking a subset of testing data points (in this case, antelopes), and derive which training points were the most influential acrross subset.
5. Sensitivity Map Decomposition

- How to interpret the sensitivity map on test?
- "the focus on the head of the zebra is distinctively the strongest in the fourth representer point"? I believe it focuses on the body.

6. Computational Cost and Numerical Instabilities.

References

[1] Yeh, C-K., Kim, J.S., Yen, I.E.H., and Ravikumar, P. (2018). *Representer Point Selection for Explaining Deep Neural Networks. NIPS*