

Thursday Feb 20, 2025

In-class Warm Up

COSC 410A Applied Machine Learning

Prof. Forrest Davis

Name:

Discuss and complete the following questions with the person nearest you. You **may** be asked to share your thoughts with the class.

1. What is your favorite conspiracy theory?
2. Consider the Figure 1 (which elides values)

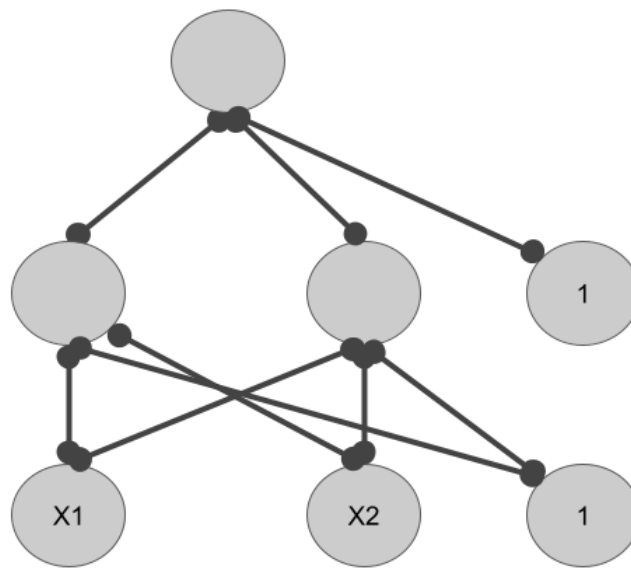


Figure 1: Smaller Network for Parameter Counting

How many parameters are there?

3. Consider Figure 2.

How many parameters are there?

4. Write a general expression for parameters in a fully connected network

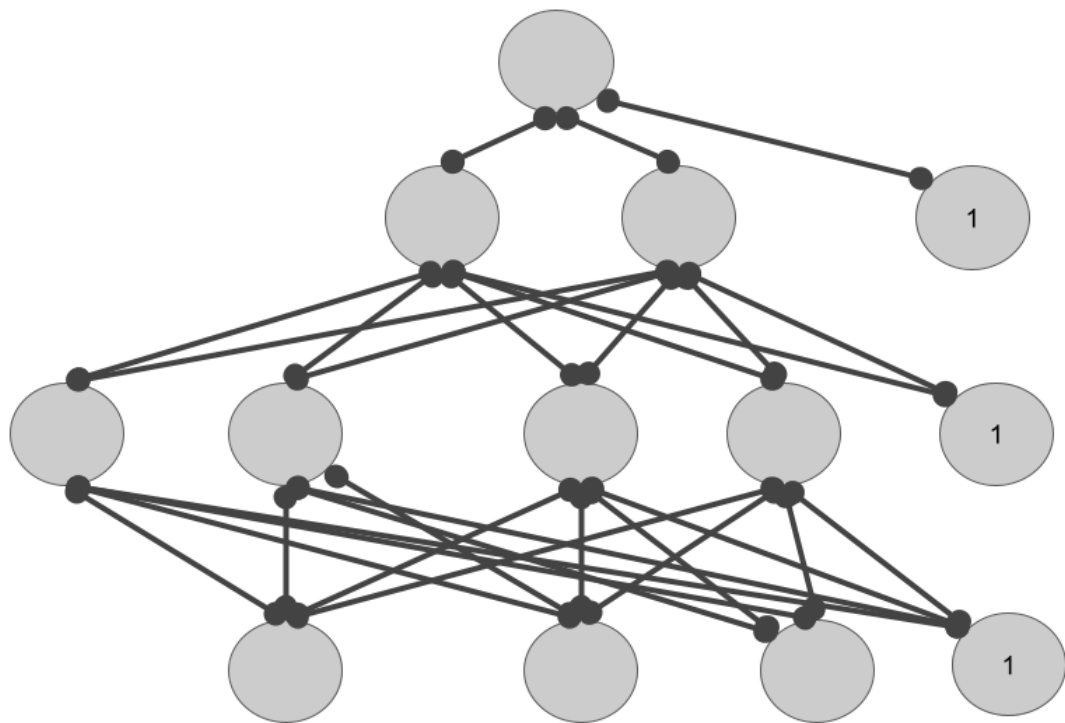


Figure 2: Bigger Network for Parameter Counting