

## CS4850 HW10

- To determine the distribution of component sizes in a graph, we selected vertices uniformly at random and calculated the size of the component they were in. We then got the following data:

Size	Frequency
2	1/10
3	3/10
4	6/10

What is the actual distribution of component sizes?

- Let  $A$  be an  $n \times d$  Gaussian matrix where  $d \gg n$ . Why is there only one sparse solution to the equation  $Ax = b$ ?