

Review for Test 2

Chapters 4, 5 and 6

YOU NEED TO KNOW

1. How to find the sample space
2. How to find probabilities for equally likely events
3. What we mean by disjoint events
4. All the probability rules and know how to apply them
5. Conditional probability
6. How to identify independent events—how to check for independence
7. Permutation and combination and all the counting problems
8. What a random variable is
9. The difference between discrete and continuous probability models
10. Discrete probability distribution
11. How to find the mean, (the variance and the standard deviation) of a discrete random variable
12. Binomial distribution: how to find the probability distribution, probabilities, mean and standard deviation
13. Normal distributions: how to find the answers to unknown percent and unknown value problems
14. The difference between population/sample and parameter/statistic
15. The sampling distribution of the sample mean
16. ~~The sampling distribution of the sample proportion~~
17. ~~The Central Limit Theorem~~
18. ~~How to assess normality from Normal Quantile Plots~~

You should review the slides, the class worksheets (you can try to do those we didn't do in class; that would be a good practice for you), the summary pages from the website, and the book.

You are responsible to know everything (and only that) I talked about in class.

Email me if you have any questions:

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Have a good break, and study hard!