

Study Skills

BLOCK off UNDISTRACTED time

BLOCK

- Set a schedule and stick to it!
- Work when you're "on fire"
- Treat this like a part-time job

UNDISTRACTED

- Our brains are terrible multi-taskers!
- Focus cements concepts
- Avoid frequent interruptions
 - Family
 - Pets
 - Social media
 - Texts
 - Your worried brain

Willpower is a Muscle to Build

- 18+ days to form a habit
- Delayed gratification = improved success
- Start small, be consistent!
- Celebrate the wins



Take Care of Yourself

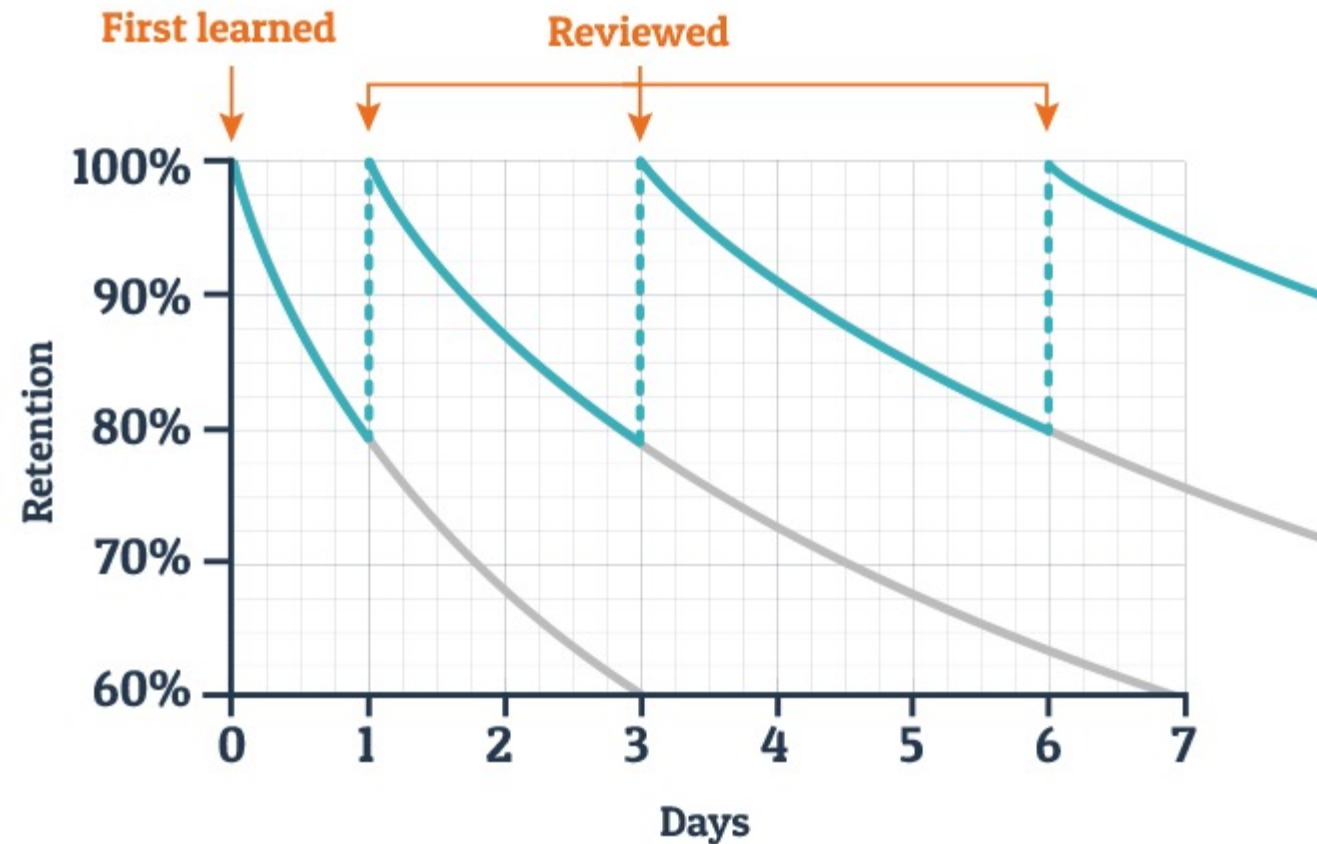
- Brains function better with...
 - Sleep
 - Protein
 - Time to unwind
 - Frequent breaks
- Social support

What's Important?

- Don't need to remember everything
- Focus on big-picture concepts
- Review the key terms at the end of the lesson and quizzes on each page to help guide you
- Keep an eye out for repetition

Huh? What was that?

Typical Forgetting Curve for Newly Learned Information



Everyone Learns Differently

- Reading
- Writing
- Listening
- Doing – “Kinesthetic”
- Watching videos

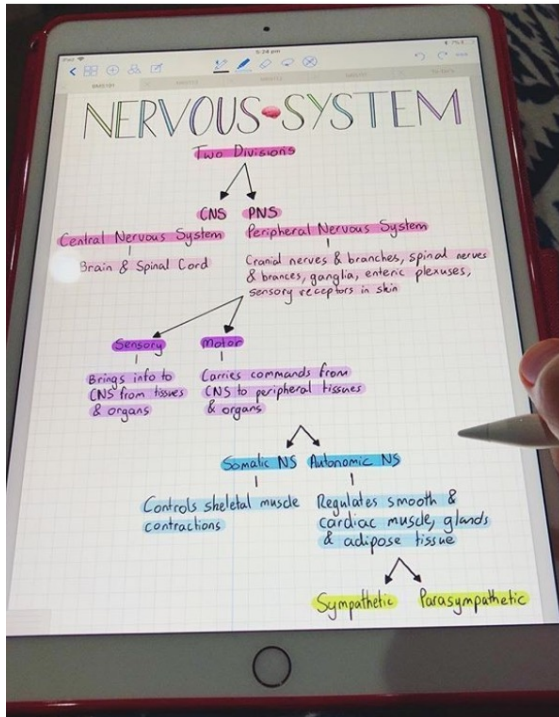
Retaining what You've Learned

- Remember better if you:
 - Process more ways
 - Refresh more times
- Explain it to someone else
- Make connections to your life
- Take notes! +50% to retention!

Outline it!

Note-taking Styles

Map it out!



Keep track of key terms and questions!

TITLE		Date
Keywords	<ul style="list-style-type: none">Main notes<ul style="list-style-type: none">ideally, using abbreviations	
Questions	<ul style="list-style-type: none">Key thoughts	
SUMMARY		

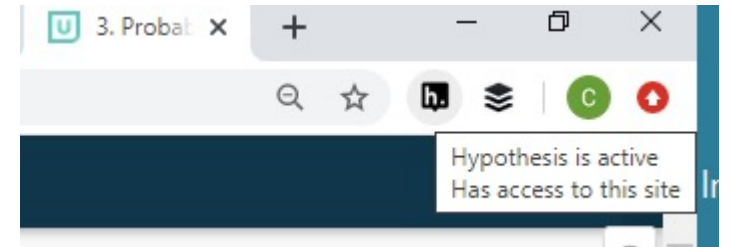
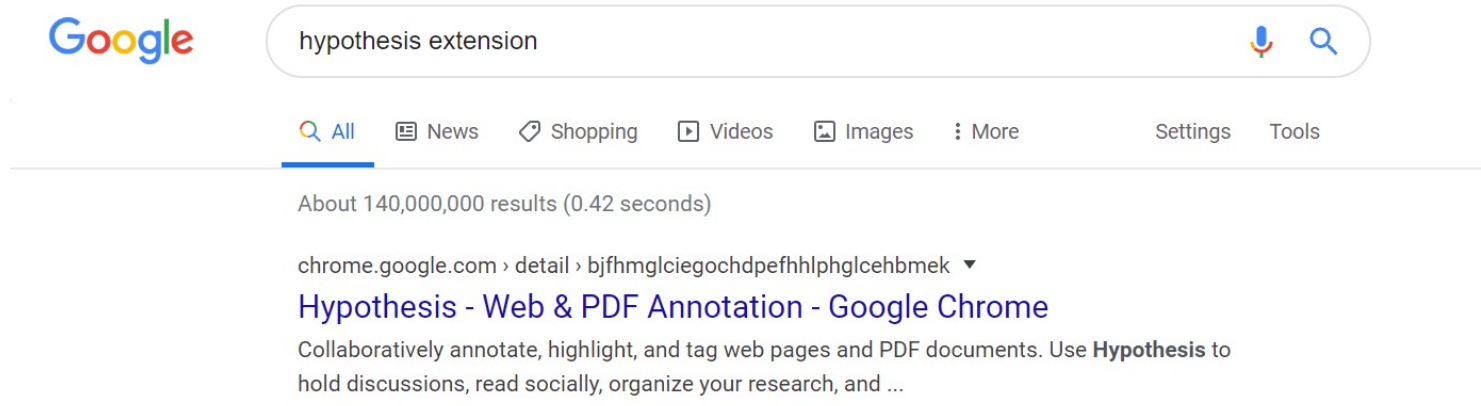
The Outline Method

- This is a main topic
- This is a sub topic
 - This is a thought or supporting fact

Note-taking Tips

- Short and sweet
- Summarize
- Experiment until you find something that works

Chrome's Extension - Hypothesis



The transcript for the above topic extension video is located here:

Rules of Probability

Probability has some basic rules, which are listed here and will be expanded upon throughout the course of this lesson:

1. All probabilities are between 0 and 1.
2. There are no negative probabilities.
3. The total of all possible outcomes is 1.
4. The probability of an event NOT happening is equal to 1 minus the probability of the event happening.

1. All Probabilities are Between 0 and 1

All probabilities are between 0 and 1.

mdodd
Public

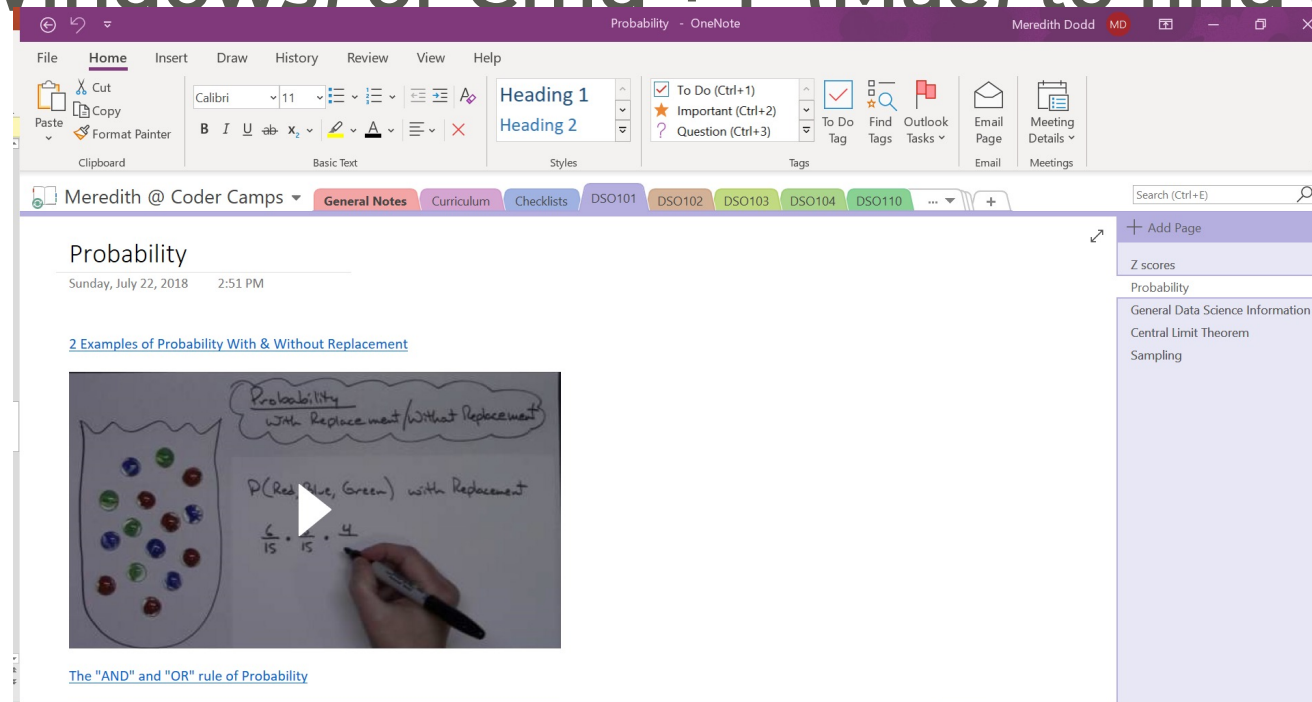
Just now

There are no negative probabilities.

Whaaat?! So surprising!

Copy your Classes to Search Later

- Copy into a text document like MS Word or MS One Note
- Ctrl + F (Windows) or Cmd + F (Mac) to find a keyword



Organize Your Files

- Set up a file folder system so you always know where everything is!



Data Science Course



DSO101 Basic Statistics



Lesson 1 Introduction to Data Science



Lesson 2 Probability



Help us Help you!

- Include the following:
 - Module (DSO101)
 - Lesson Name/Number
 - Page Number
 - Quiz / Exam Question Number



Meredith Dodd 😊 11:58 AM

Hi Meredith! I don't understand how to calculate probability for combinations on the Probability lesson, page 7. I'm stuck on quiz question 1. Can you please help?

image.png ▼

In general form, the notation reads n choose x . Here's the formula:

$$C(n, x) = \frac{n!}{x! (n - x)!} \quad ?$$

Where the n stands for the total number of combinations, and the x stands for the number of combinations that you are selecting. [Here is the link](#) to a spreadsheet with the formula all set up and waiting for input.



Where can I find that Info?

Lesson Name

Probability

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

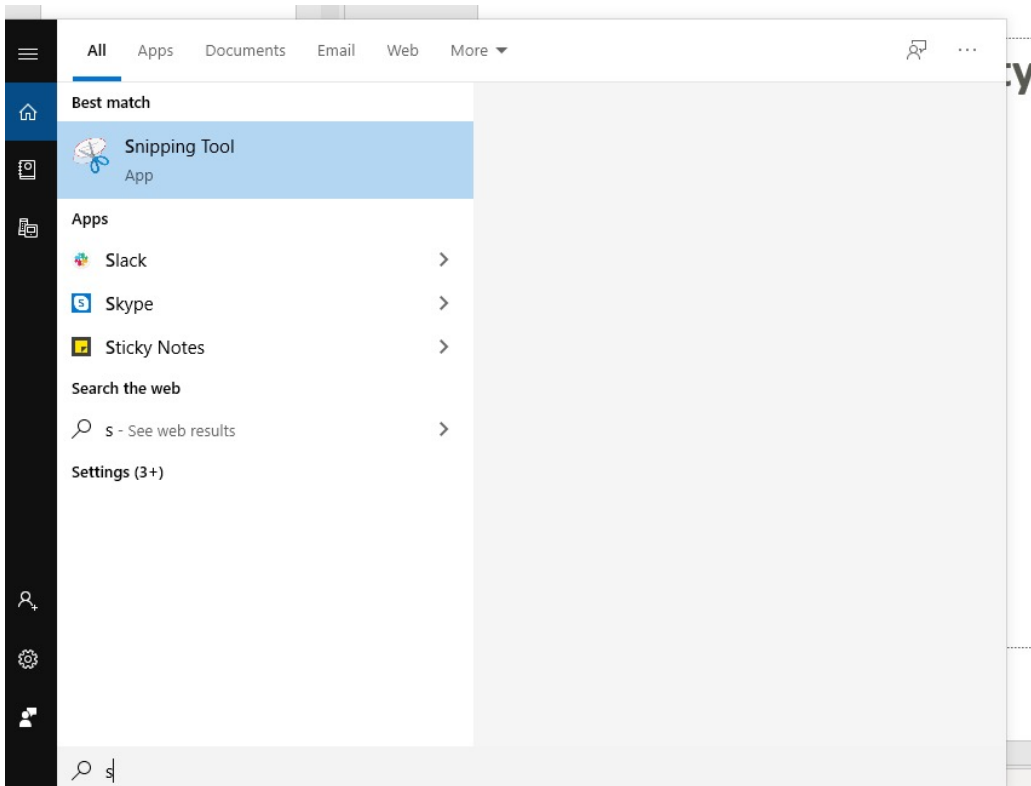
Page Number

How do I take Screenshots?

- Windows – Snipping Tool

- Macs

- Whole Screen: Cmd + Shift + 3
- Part Screen: Cmd + Shift + 4



Question Away!

- Work ahead before your 1on1 or office hour
- Write all questions down
- Nothing too small or silly!
- Slack and we'll always get back to you

Questions?