

Performing Data Science

Lessons from a Musician

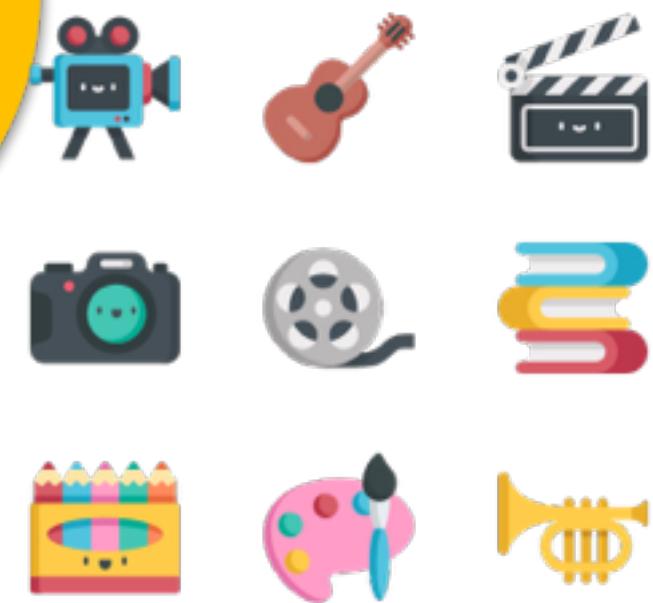
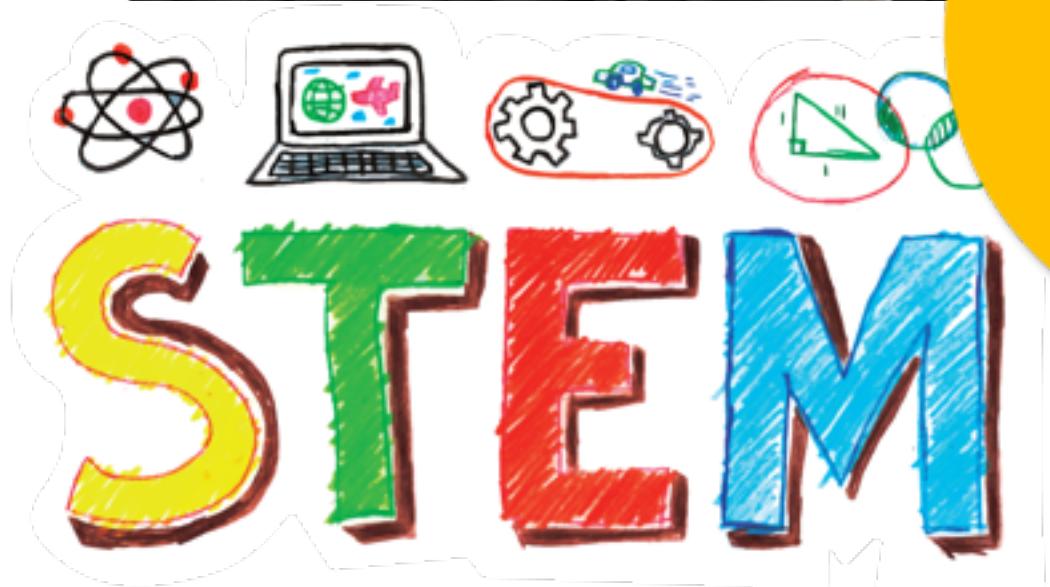
Presented by: Leondra R. James

OVERVIEW



1. About YOU
2. About Me
3. Left Brain, Right Brain, and the Imposter
4. The Theory of Multiple Intelligence
5. Skill Vs. Talent
6. Practice Vs. Deliberate Practice
7. The Dunning-Kruger Effect
8. Multi-Disciplinary Talent
9. Resources







about me

Education

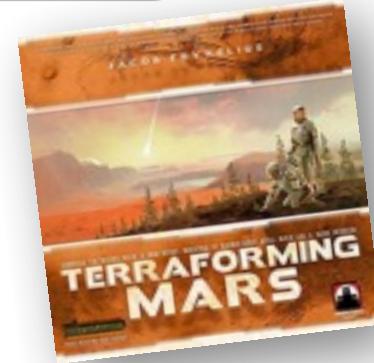
- BA in **Music and Business** with a focus in Business Management | Otterbein University
- Masters in **Entertainment Industry Management (MEIM)** | Carnegie Mellon University, Heinz College of Information Systems Management & Public Policy
- Masters in **Business Administration (MBA)** with focus in Data & Decisions | Smartly Institute (Candidate)
- Professional Certificate in **Data Science** | Harvard University



Work

- & - Manager, Analytics & Operations at Saatchi & Saatchi

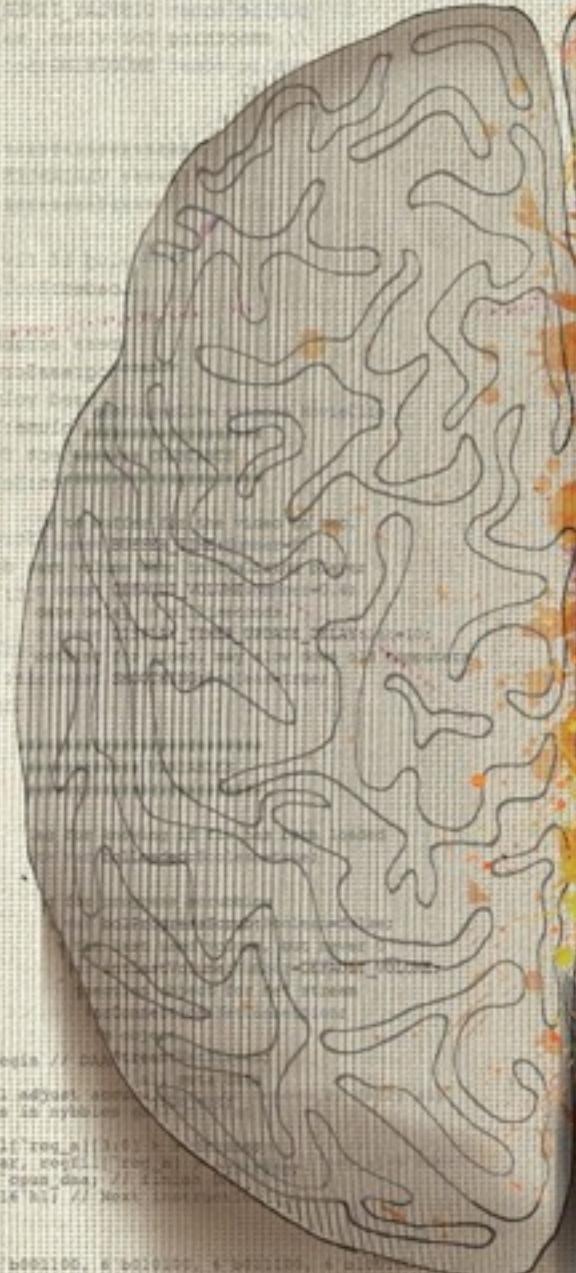
Hobbies





Left brain

I am the left brain.
I am a scientist. A mathematician.
I love the familiar. I categorize. I am accurate. Linear.
Analytical. Strategic. I am practical.
Always in control. A master of words and language.
Realistic. I calculate equations and play with numbers.
I am order. I am logic.
I know exactly who I am.



Right brain

I am the right brain.
I am creativity. A free spirit. I am passion.
Yearning. Sensuality. I am the sound of roaring laughter.
I am taste. The feeling of sand beneath bare feet.
I am movement. Vivid colors.
I am the urge to paint on an empty canvas.
I am boundless imagination. Art. Poetry. I sense. I feel.
I am everything I wanted to be.



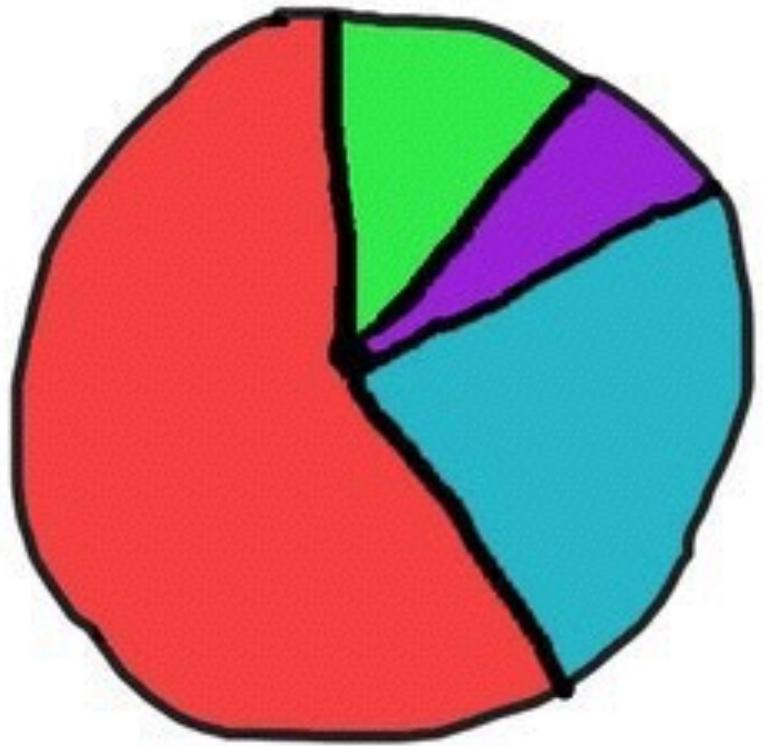
```
6 31001111 : Begin // Function  
// declares variables  
// receives an int value  
if (speed>=1000) {  
    answer = sqrt (area);  
    cout << pi * r * r / 4 << endl;  
}  
end  
  
6 300100, 6 300100, 6 300100, 6 300100,  
6 300100, 6 300100, 6 300100, 6 300100,  
6 300100, 6 300100, 6 300100, 6 300100,  
6 300101 : Begin // Function
```

Impostor Syndrome

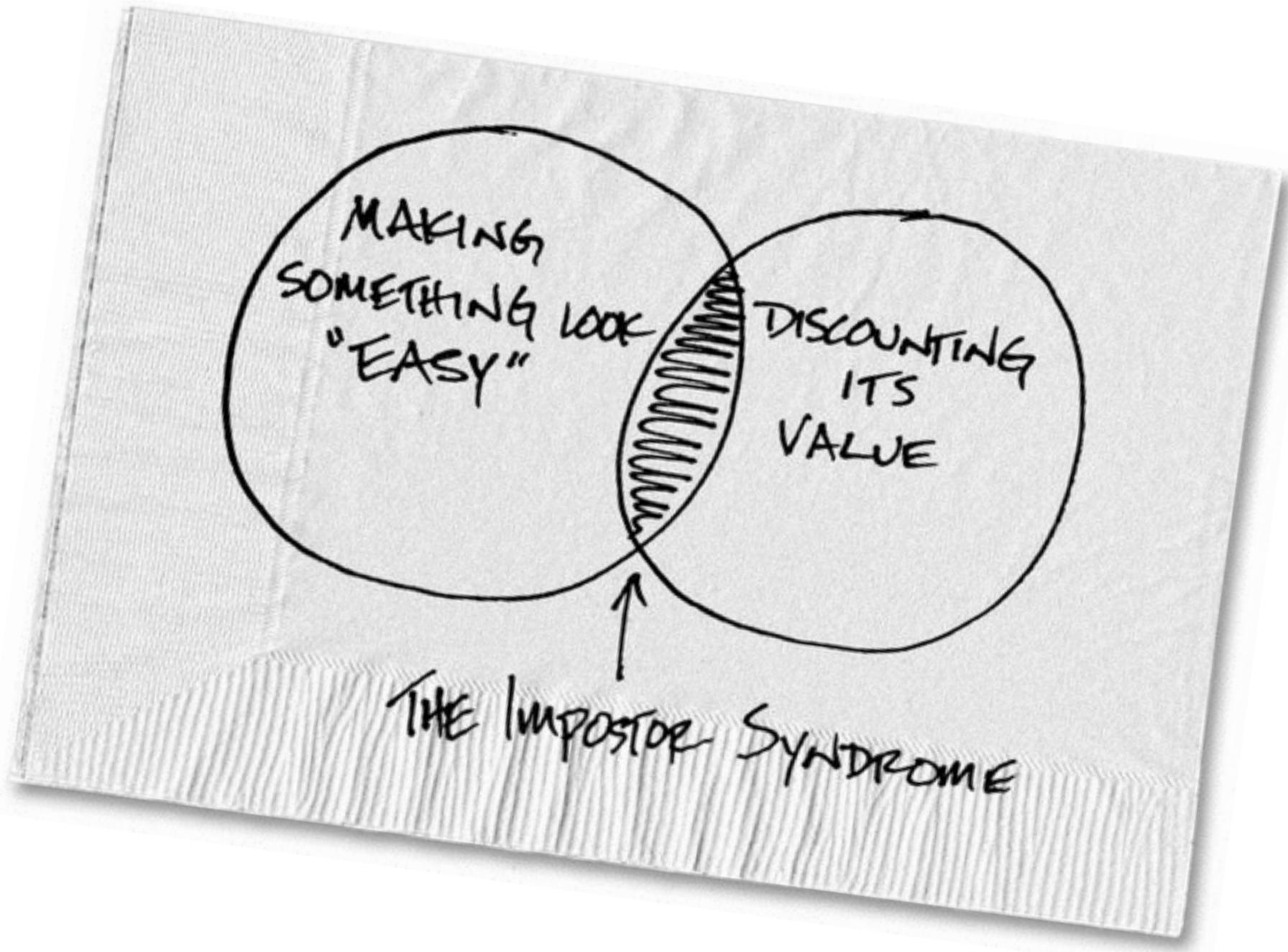
/im' pæstər/ '/sin,drōm/

A concept describing individuals who are marked by an inability to internalize their accomplishments and a persistent fear of being exposed as a "fraud".

REASONS WHY A GOOD THING HAPPENED TO YOU:



- UUHHHHHH?
- LUCK
- A MISTAKE
- BECAUSE SOMETHING BAD
IS ABOUT TO HAPPEN



```
utils.tis.  
...  
holds all meta data  
objInfo:Object;  
file  
strSource: String;  
videoFileName:String;  
bg_pic:MovieClip;
```

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```
function begin // main loop  
// declare message source  
// results in symbols  
  
if (readFileReq.readyState == 4) {  
    varXML = req.responseText;  
    state = parseXML(varXML);  
    pos= pos+16 but // Next instruction  
  
end  
  
6'b001100, 6'b001100, 6'b010000, 6'b001100,  
6'b001100, 6'b010000, 6'b001100, 6'b000000,  
6'b001100, 6'b010000, 6'b001100, 6'b000000,  
6'b001100, 6'b010000, 6'b001100, 6'b000000  
6'b111100 begin // IRR/DCA
```



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```
intilis, TIS, e  
esbt, esbt, esbt;  
olds, esbt, meta, data  
objInfo:Object;  
file, file  
strSource:Young;  
videoFileName:Springer;  
bg_pic:HomeFiling;
```



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hardworking adjective

hard·work·ing | \ 'härđ-'wər-kɪŋ \

Definition of hardworking

: INDUSTRIOUS, DILIGENT

talent noun

tal·ent | \ 'ta-lənt \

Definition of talent

- 1 a : a special often athletic, creative, or artistic aptitude
- b : general intelligence or mental power : ABILITY
- 2 : the natural endowments of a person



years





Outliers



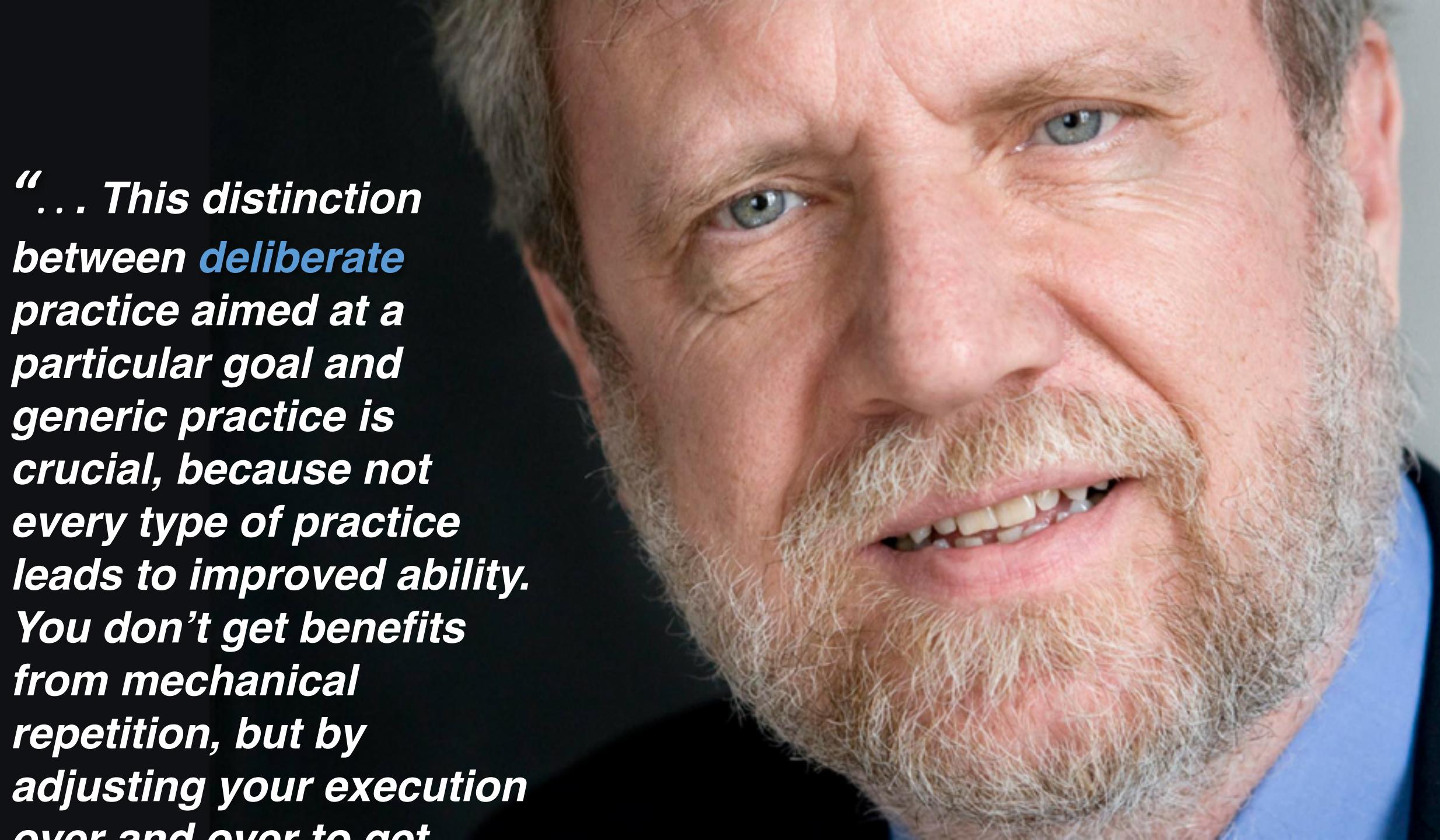
THE STORY OF SUCCESS

MALCOM
GLADWELL





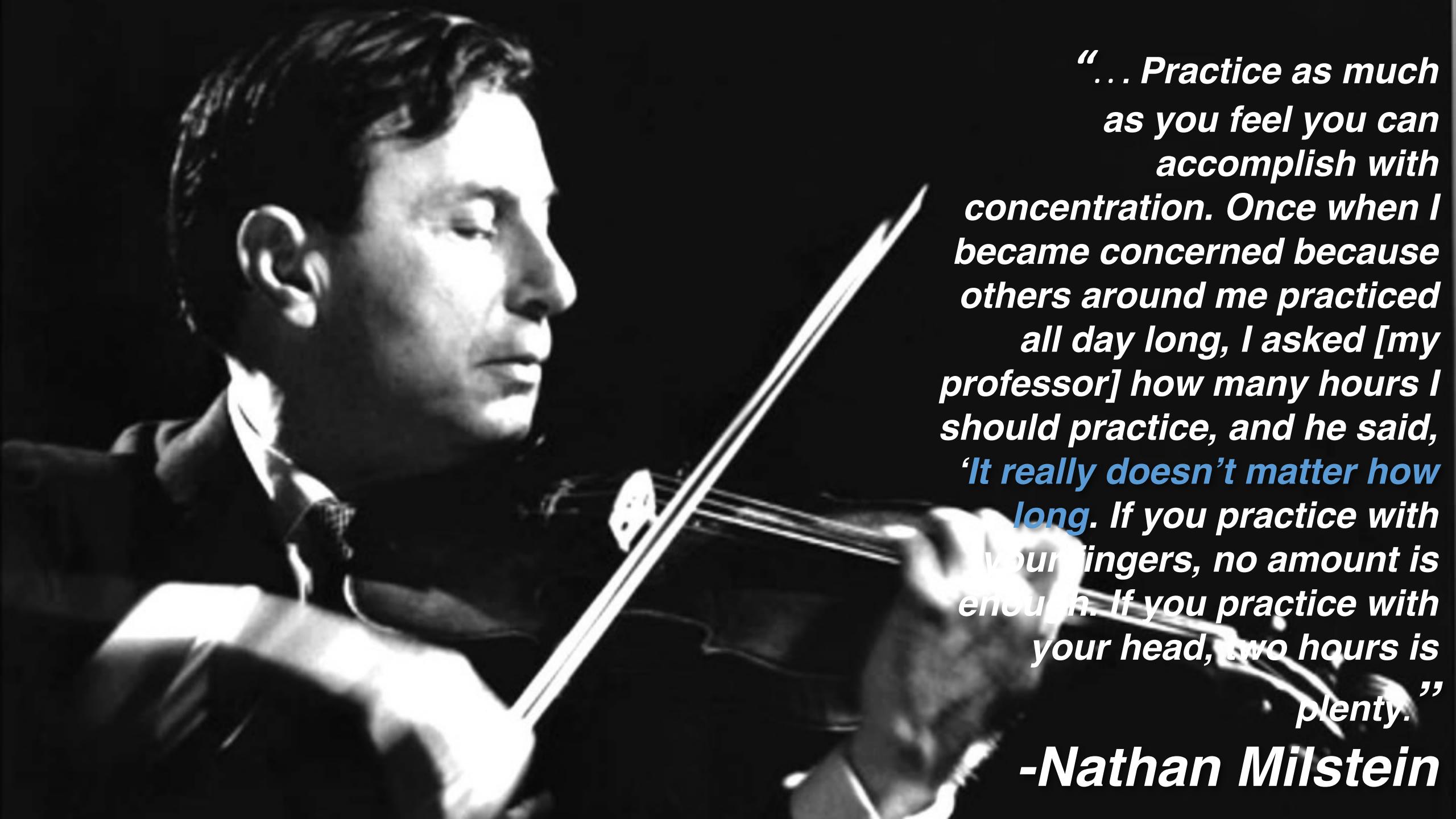


A close-up photograph of a man's face. He has light-colored hair, blue eyes, and a full, light-colored beard and mustache. He is smiling warmly at the camera. The background is dark and out of focus.

*“ . . . This distinction
between **deliberate**
practice aimed at a
particular goal and
generic practice is
crucial, because not
every type of practice
leads to improved ability.
You don’t get benefits
from mechanical
repetition, but by
adjusting your execution
over and over to get*

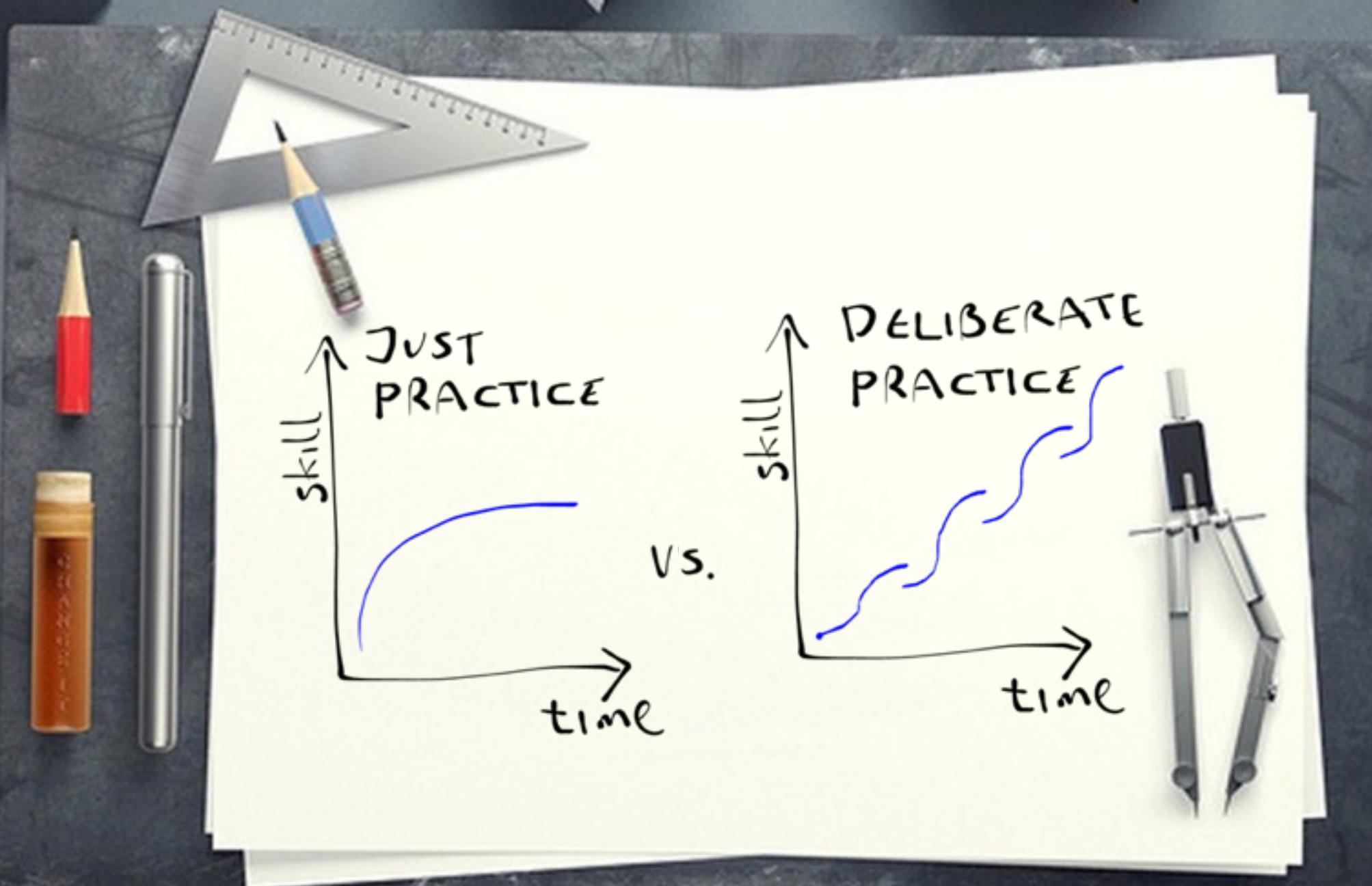
Deliberate Practice





“... Practice as much as you feel you can accomplish with concentration. Once when I became concerned because others around me practiced all day long, I asked [my professor] how many hours I should practice, and he said, ‘It really doesn’t matter how long. If you practice with your fingers, no amount is enough. If you practice with your head, two hours is plenty.”

-Nathan Milstein



CHANGE



The background of the image is a wooden desk. On the desk, from left to right, is a silver laptop, a white cup of coffee on a saucer, a vintage-style black camera, and several Polaroid photographs showing landscapes. A hand is visible at the bottom left holding one of the Polaroid photos.

Deliberate
Practice

Skill

Confidence



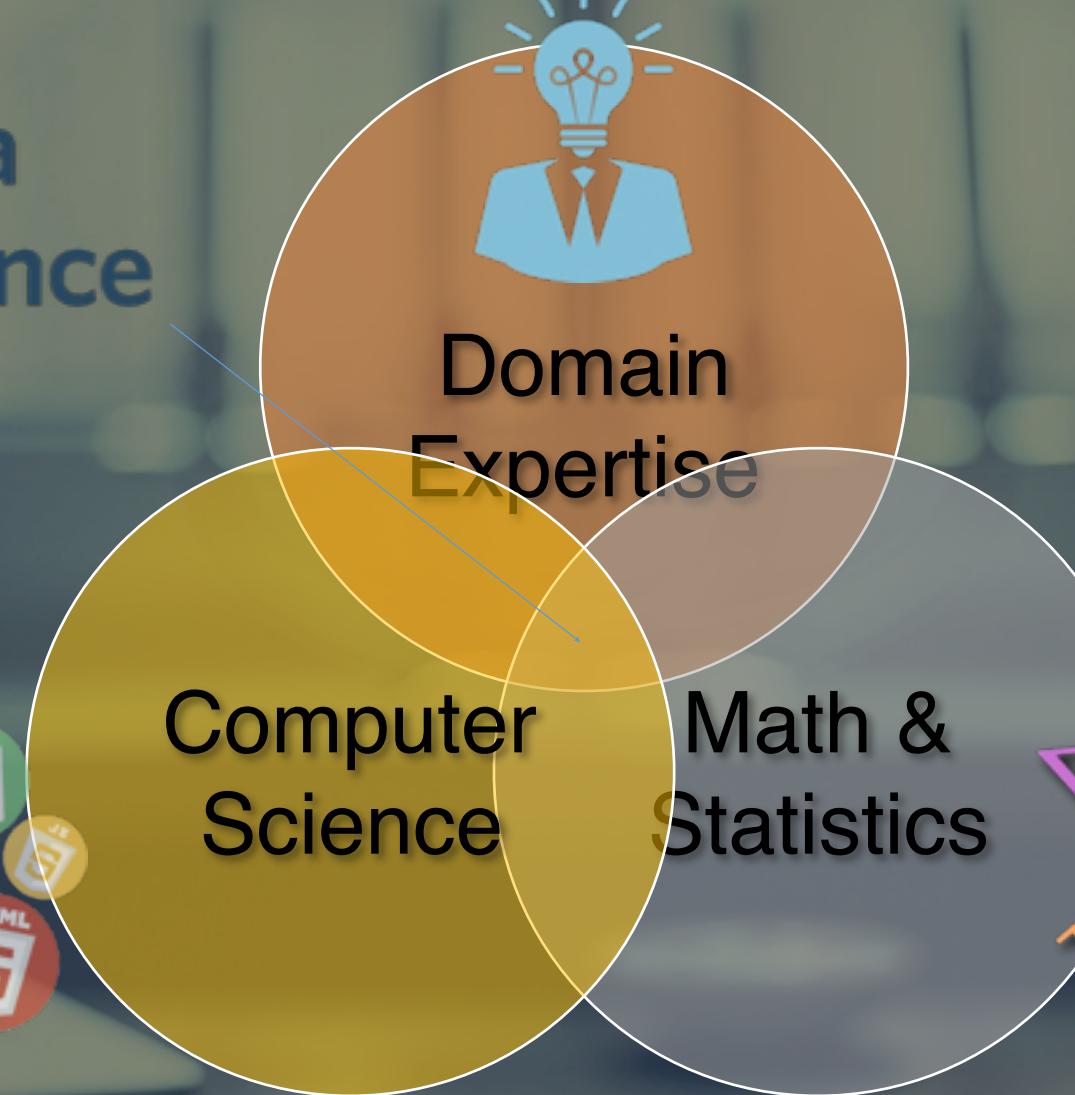


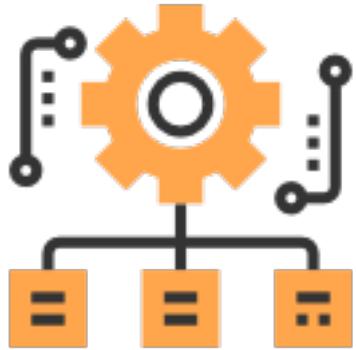
The Dunning Kruger effect



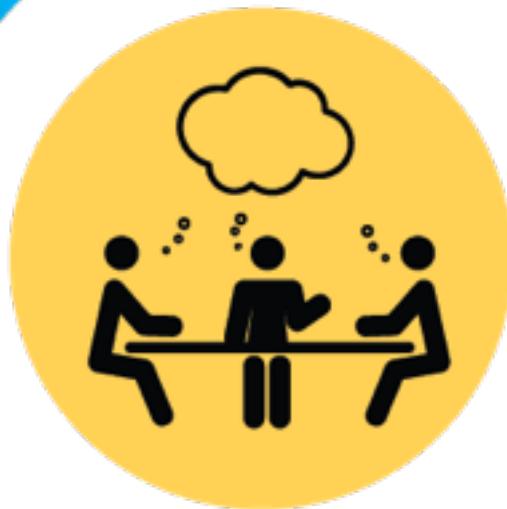


Data
Science





context



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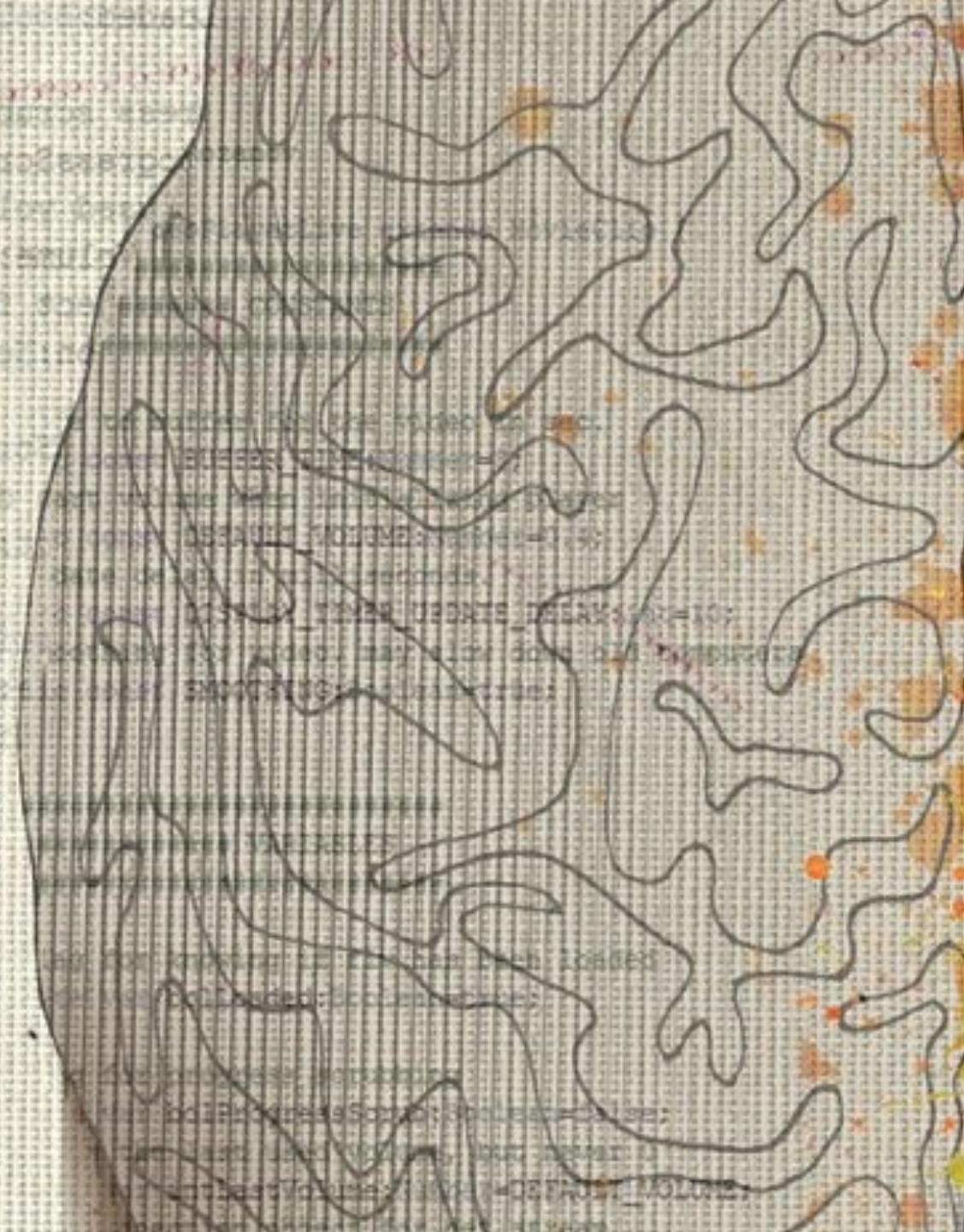
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NOW
WHAT???

**NOT SURE IF APPLYING TO GRAD SCHOOL
BECAUSE SCARED OF THE FUTURE**

**OR JUST SCARED OF APPLYING TO GRAD
SCHOOL**

coursera

in LEARNING

codecademy

Google Cloud

 Khan Academy

 SOLO LEARN



UDACITY

 **amazon**
web services

 edX

 Future
Learn

 Udemy

 kaggle

 lynda.com

 meetup

 stackoverflow



THANK YOU
THANK YOU
THANK YOU
THANK YOU

