

#### Objectives:

Explain the three-stage learning process

Identify strategies you will use in each of the three stages of the learning process

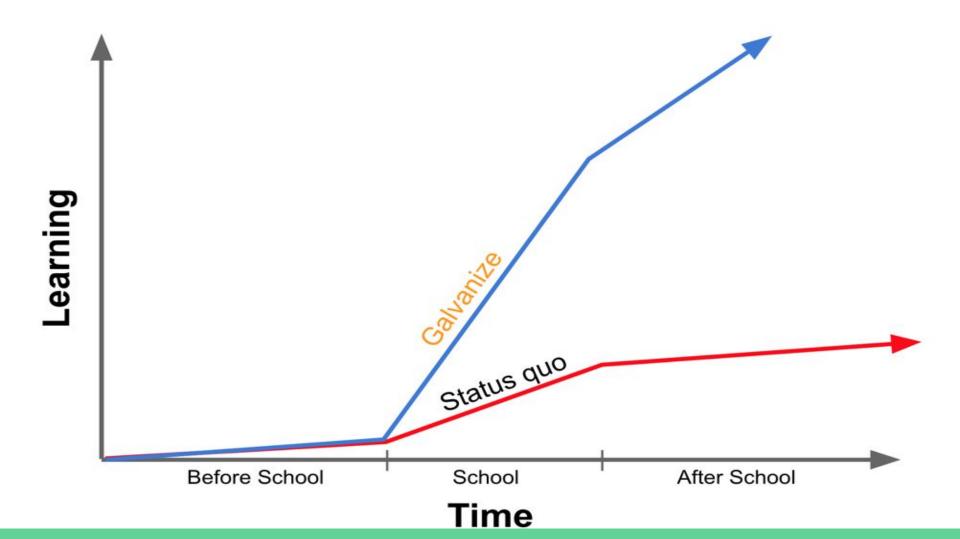
#### L2L - Why It Matters

Data scientists approach problems in a methodical and disciplined manner. Start practicing to be a good engineer now by changing the way you learn.

# Practice does not make perfect. Perfect practice makes perfect.

Vince Lombardi





#### Set the stage

- Clear the stage
- Clarify the what and the why
- Prioritize process over product

Zone of proximal development (Learner can do with guidance)

Learner can do unaided

Learner cannot do

## Check your learning

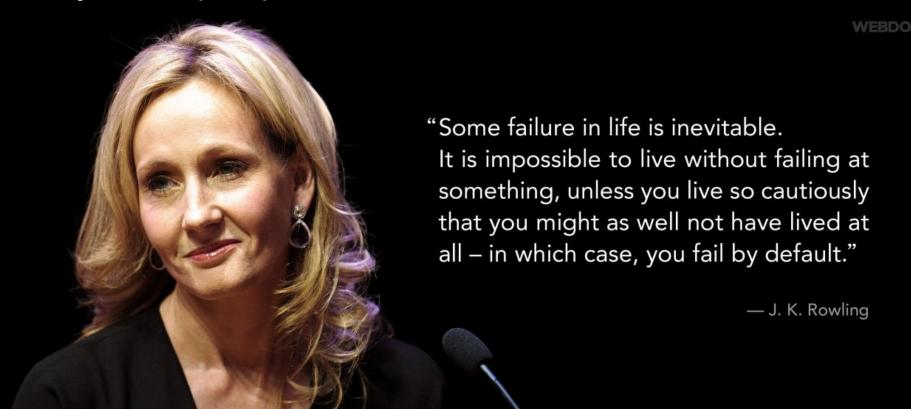
What are some of the ways you can set the stage?

#### Play

- Wrestle with it
- Take risks



#### Why don't people like to take risks?



#### 10 Growth Mindset Statements



#### What can I say to myself?

INSTEAD OF:

TRY THINKING:

I'm not good at this.

I'm awesome at this.

I give up.
This is too hard.

I can't make this any better.

I just can't do Math.

I made a mistake.

She's so smart. I will never be that smart.

It's good enough.

Plan "A" didn't work.

- What am I missing?
- 2 I'm on the right track.
- 3 I'll use some of the strategies we've learned.
- 1 This may take some time and effort.
- SI can always improve so I'll keep trying.
- 6 I'm going to train my brain in Math.
- Mistakes help me to learn better.
- 2 I'm going to figure out how she does it.
- 1 Is it really my best work?
- Good thing the alphabet has 25 more letters!

Original source unknown)

@sylviaduckworth

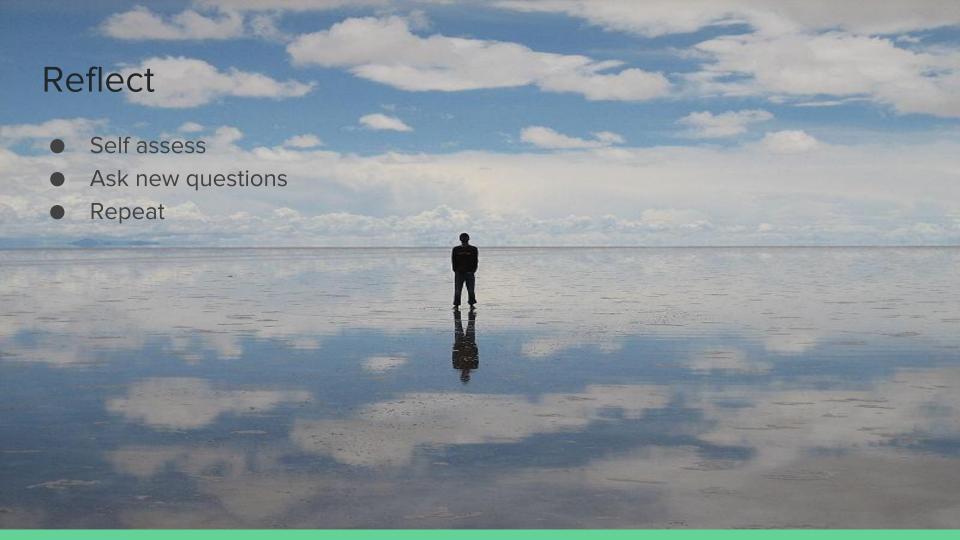
#### Play

- Wrestle with it
- Take risks
- Have fun!



#### Check your learning

Why is it important to have fun, and how might you do it?



## Check your learning

What are some questions you can use to self assess?

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# Questions?

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