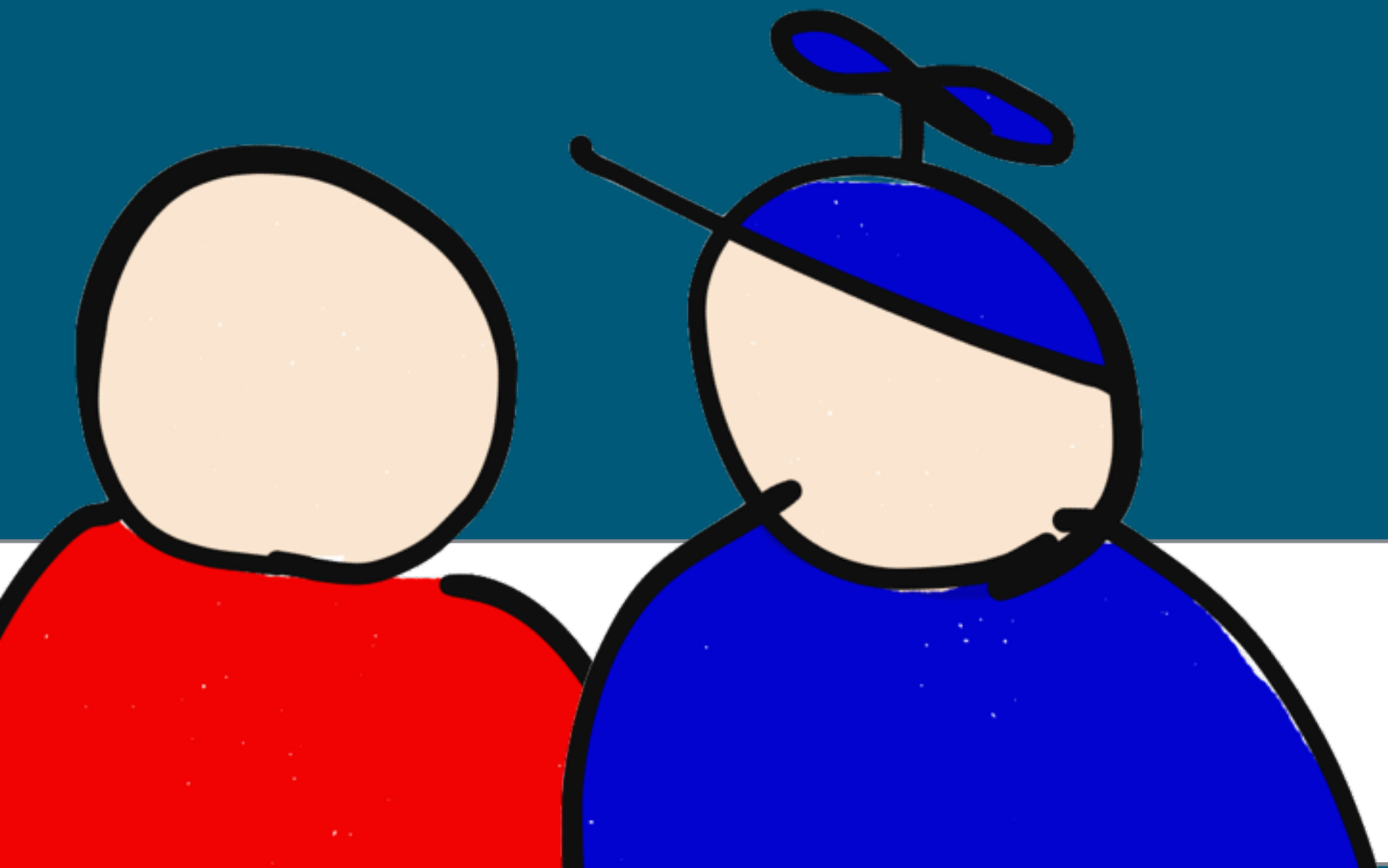
Test Automation: Yes You Need It

…and yes you're doing it wrong



dsmAgile Fall 2015
September 25, 2015

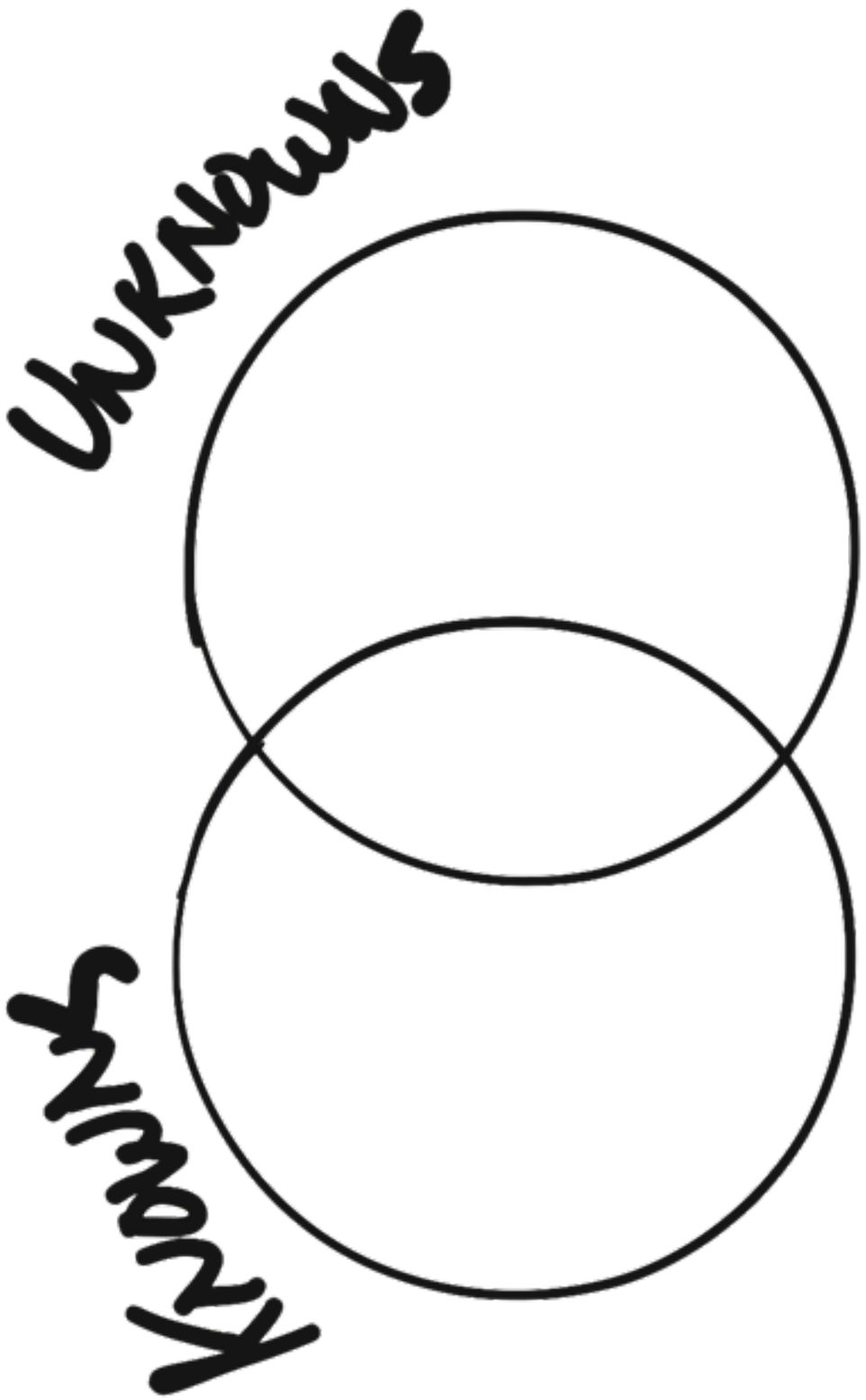
Brandon Carlson

Lean TECHniques

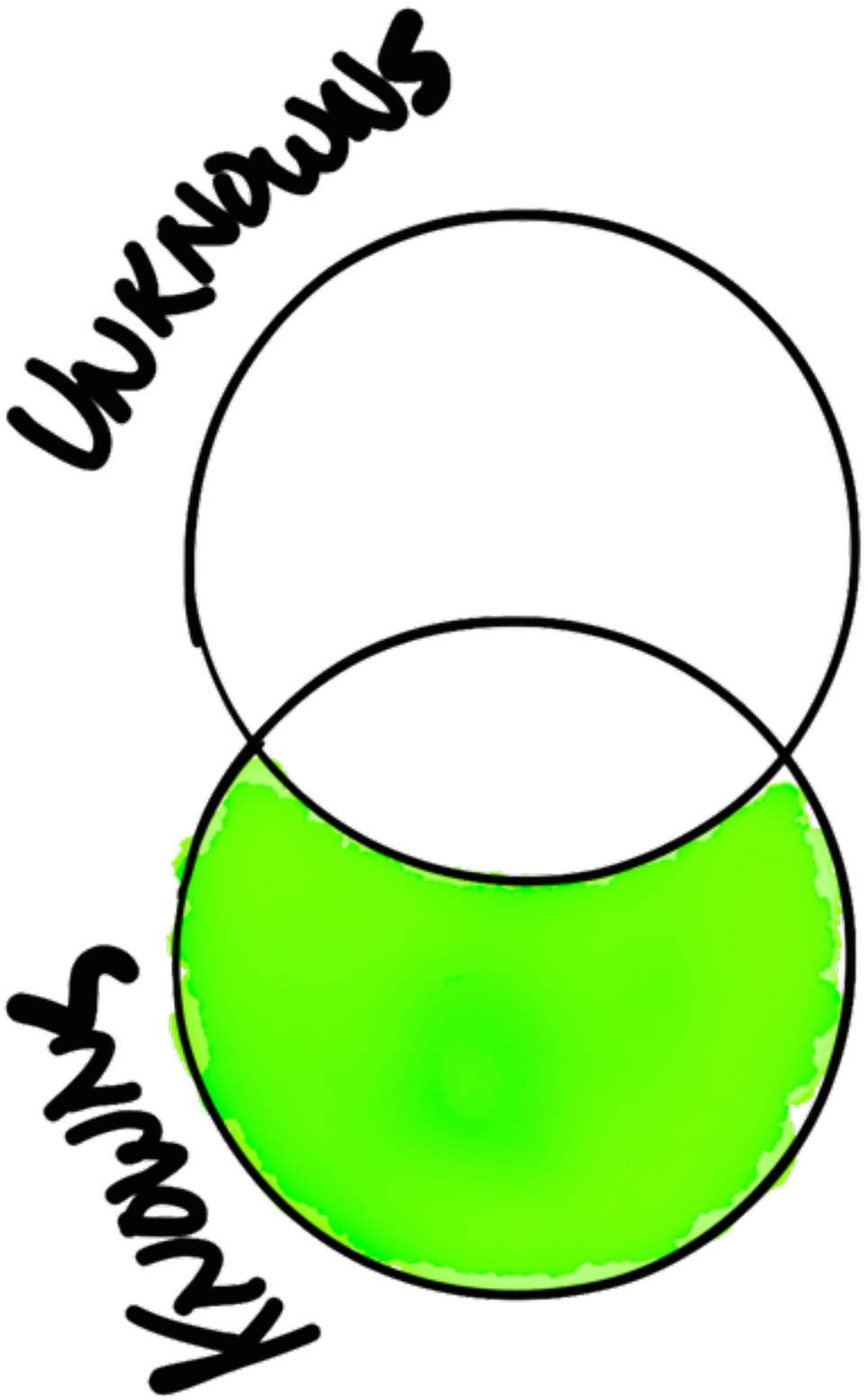
About Me

Lean
TECHniques
Brandon Carlson
515.669.5597
bcarlso@leantechniques.co
twitter.com/bcarlso
linkedin.com/in/bcarlso

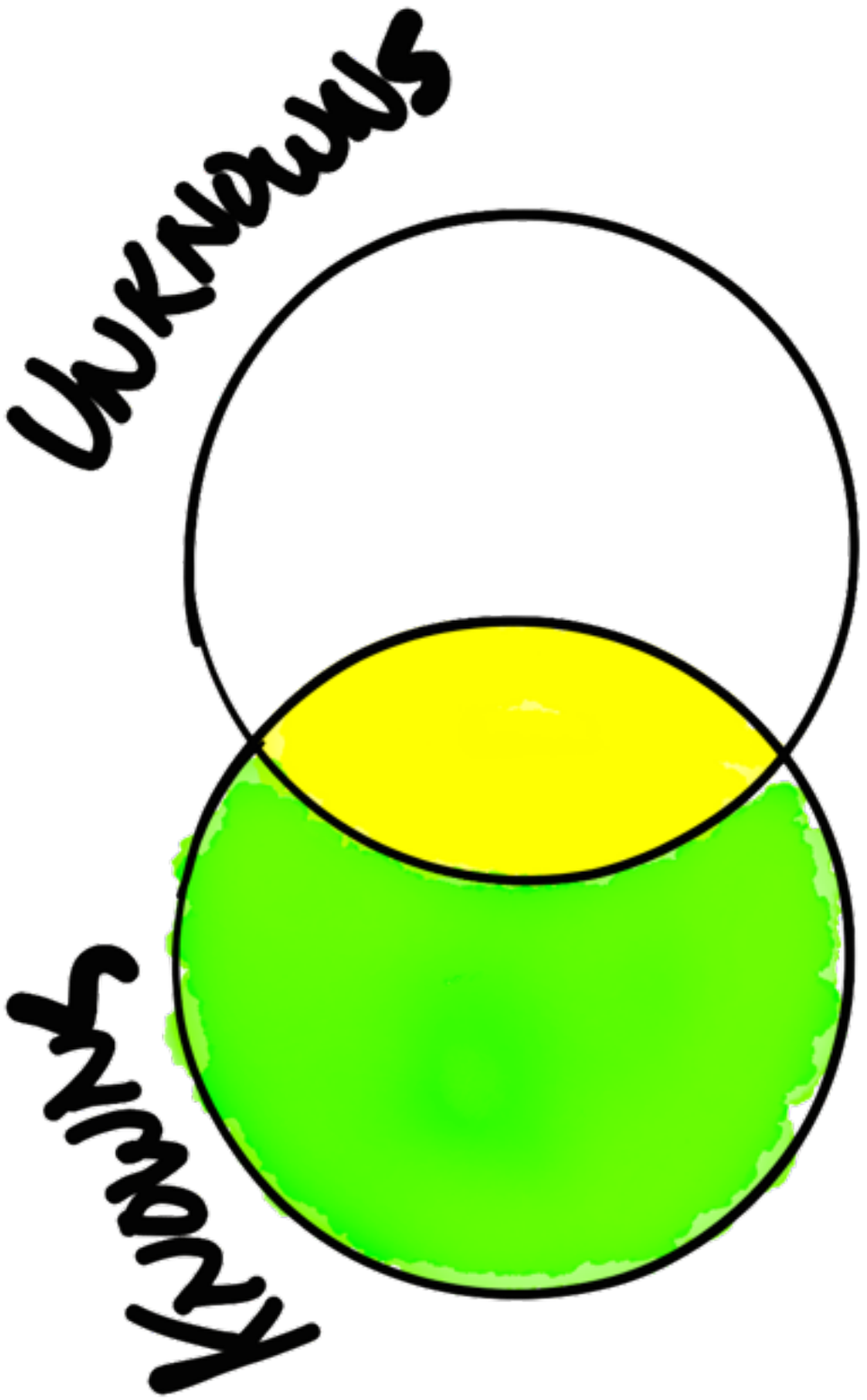
Let's Talk About Risk



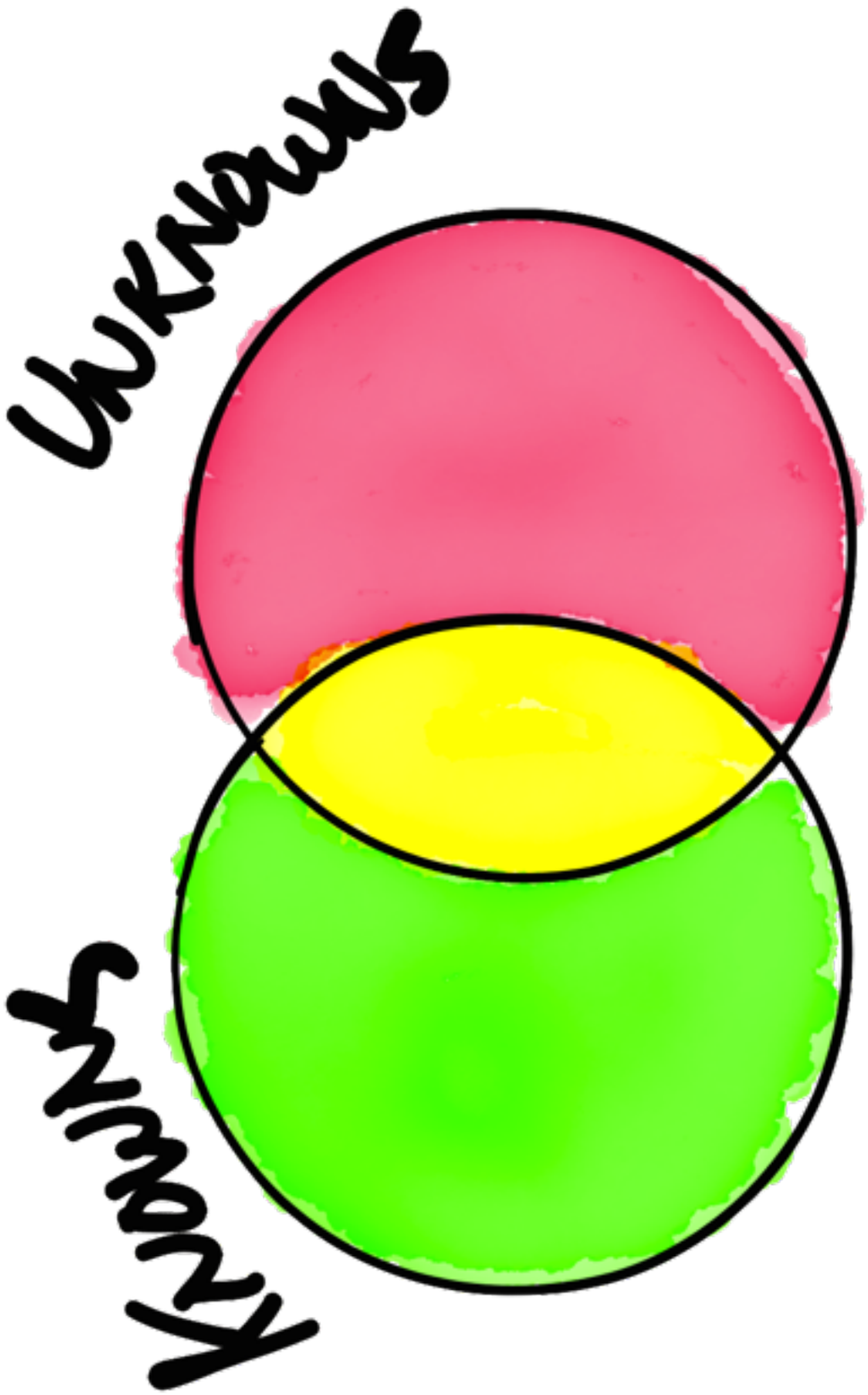
Known-Known



Known-Unknown



Unknown-Unkonown



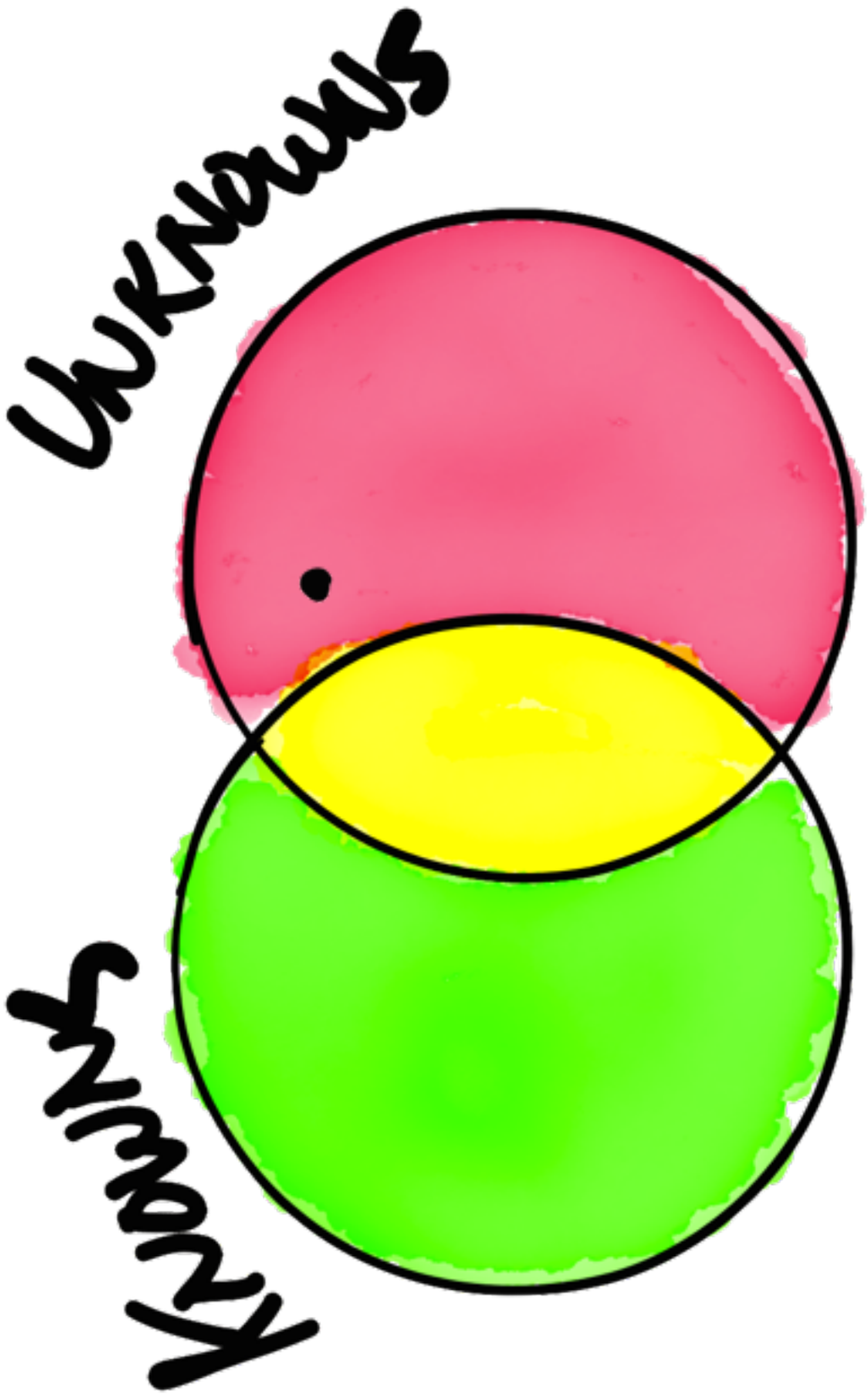
“Reports that say that something hasn't happened are always interesting to me, because as we know, there are known knowns; there are things we know we know. We also know there are known unknowns; that is to say we know there are some things we do not know. But there are also unknown unknowns – the ones we don't know we don't know. ***And if one looks throughout the history of our country and other free countries, it is the latter category that tend to be the difficult ones.***”

Donald Rumsfeld

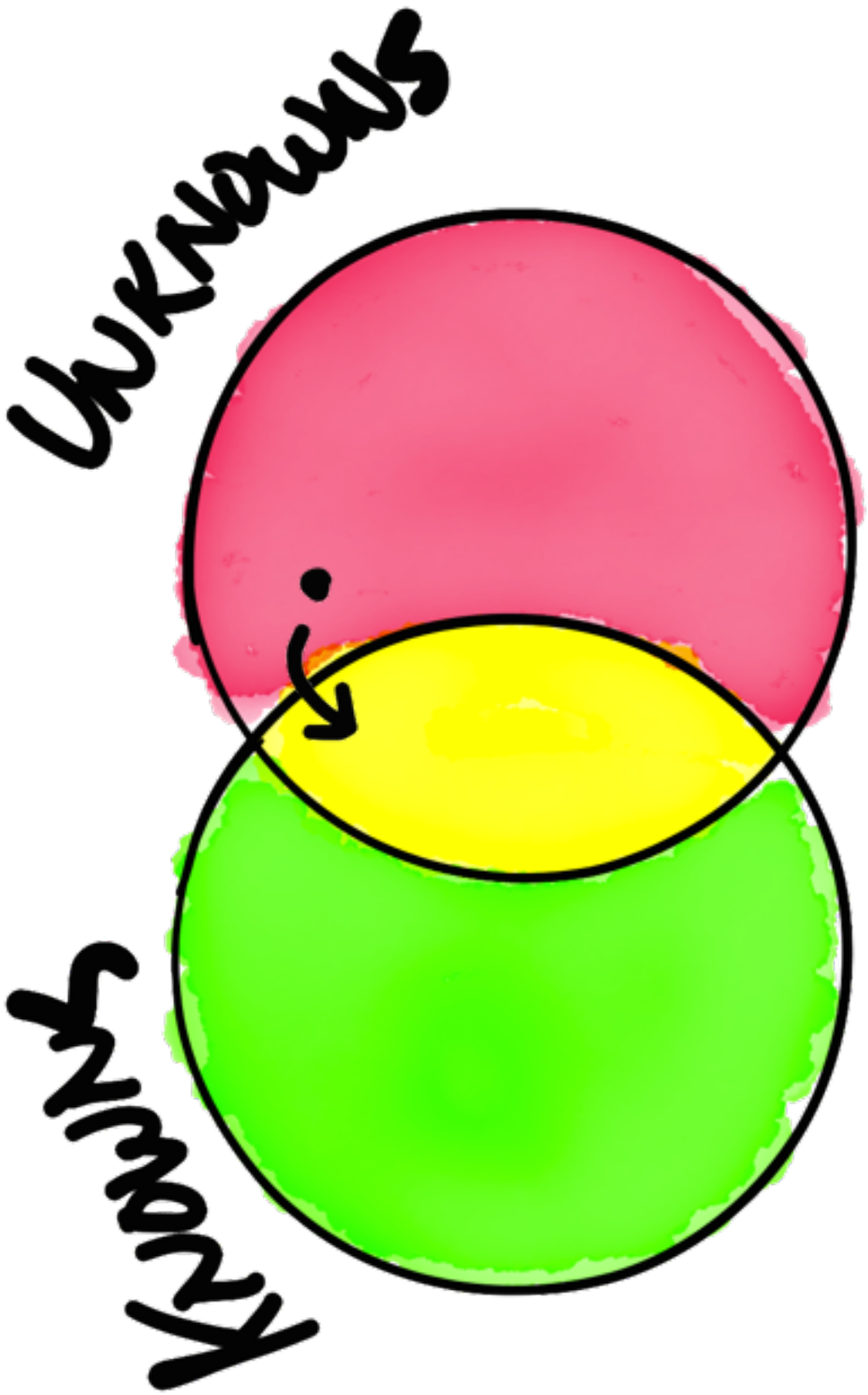
Known-Unknown

Known-Unknown

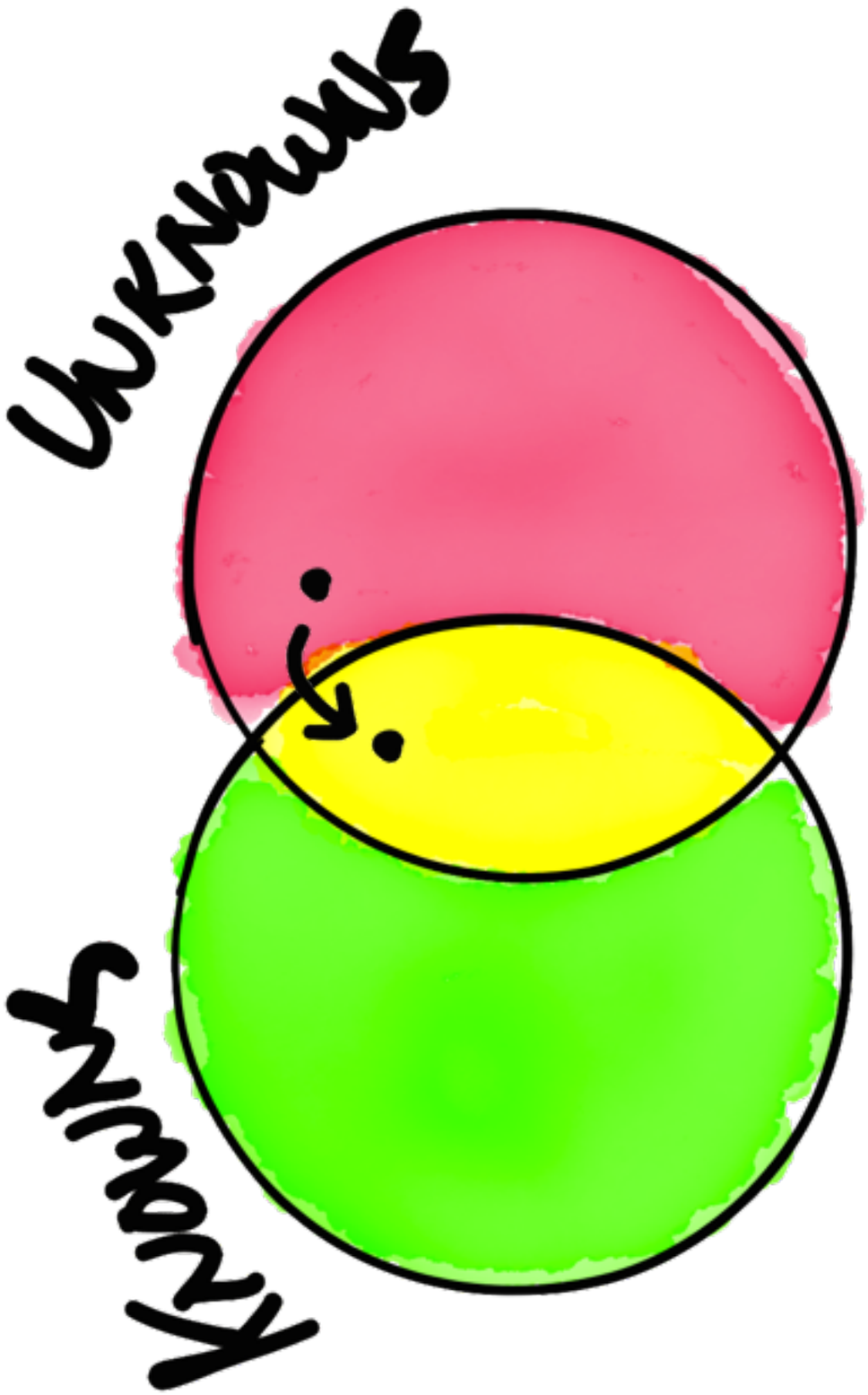
Product Development



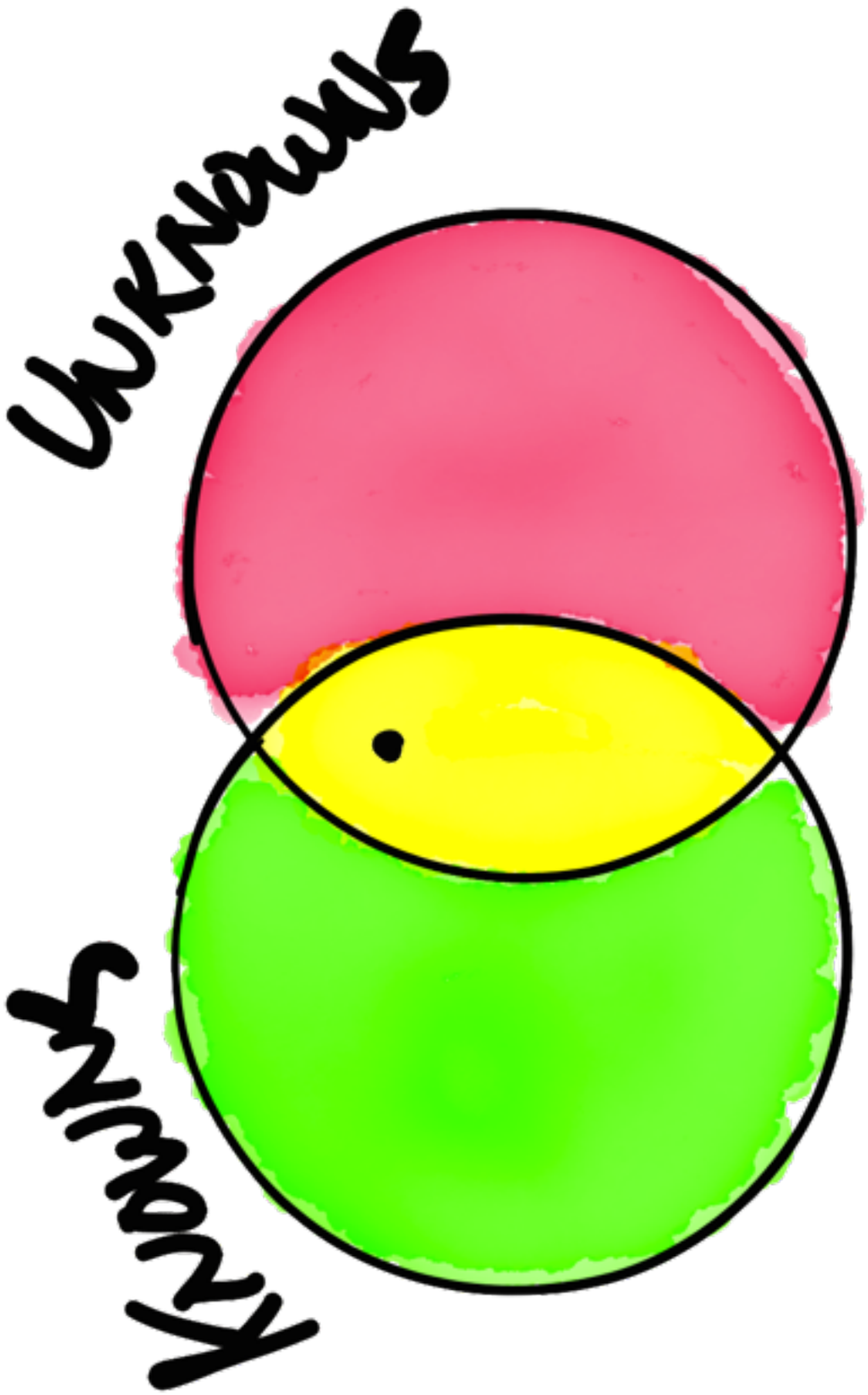
Product Development



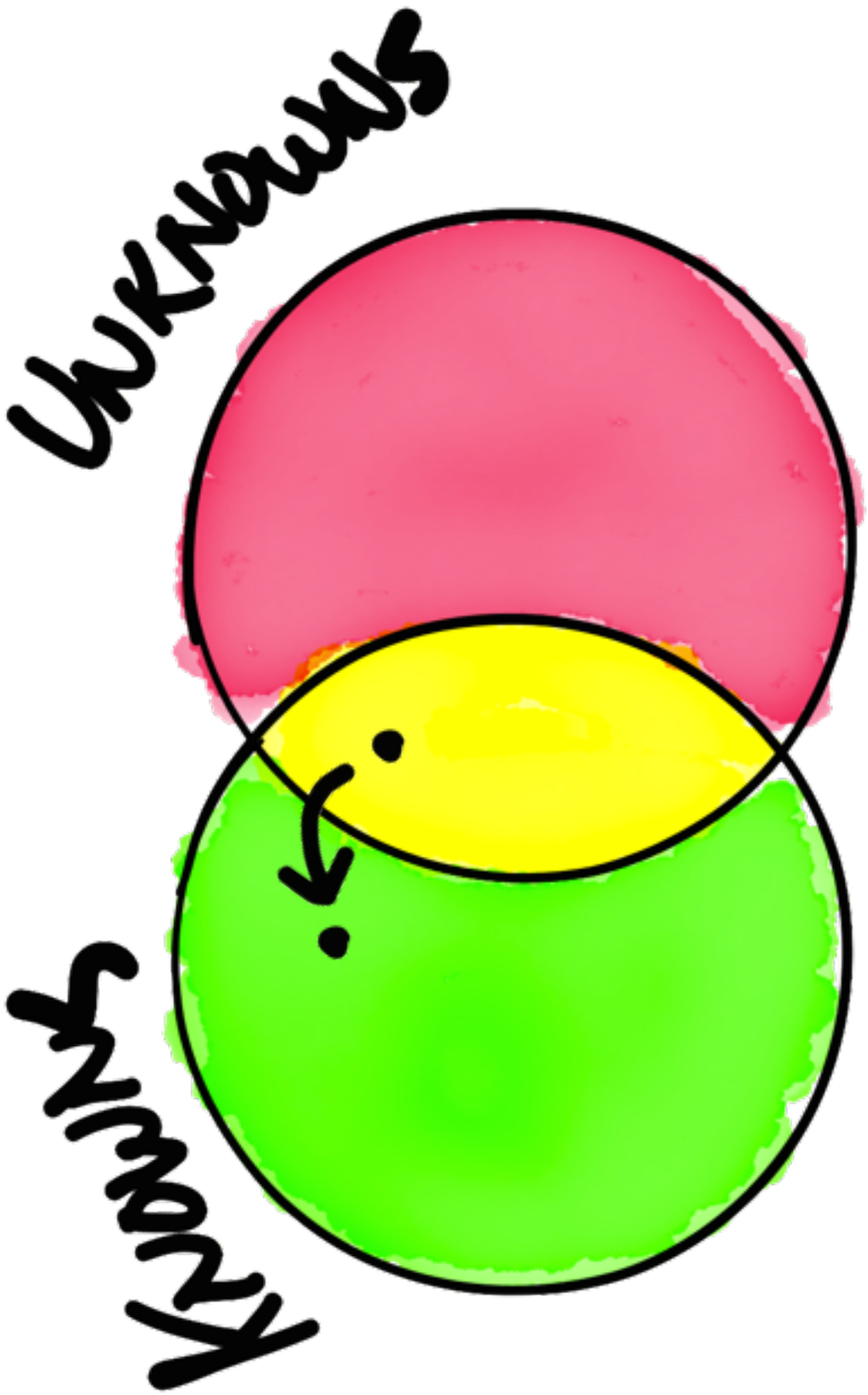
Product Development



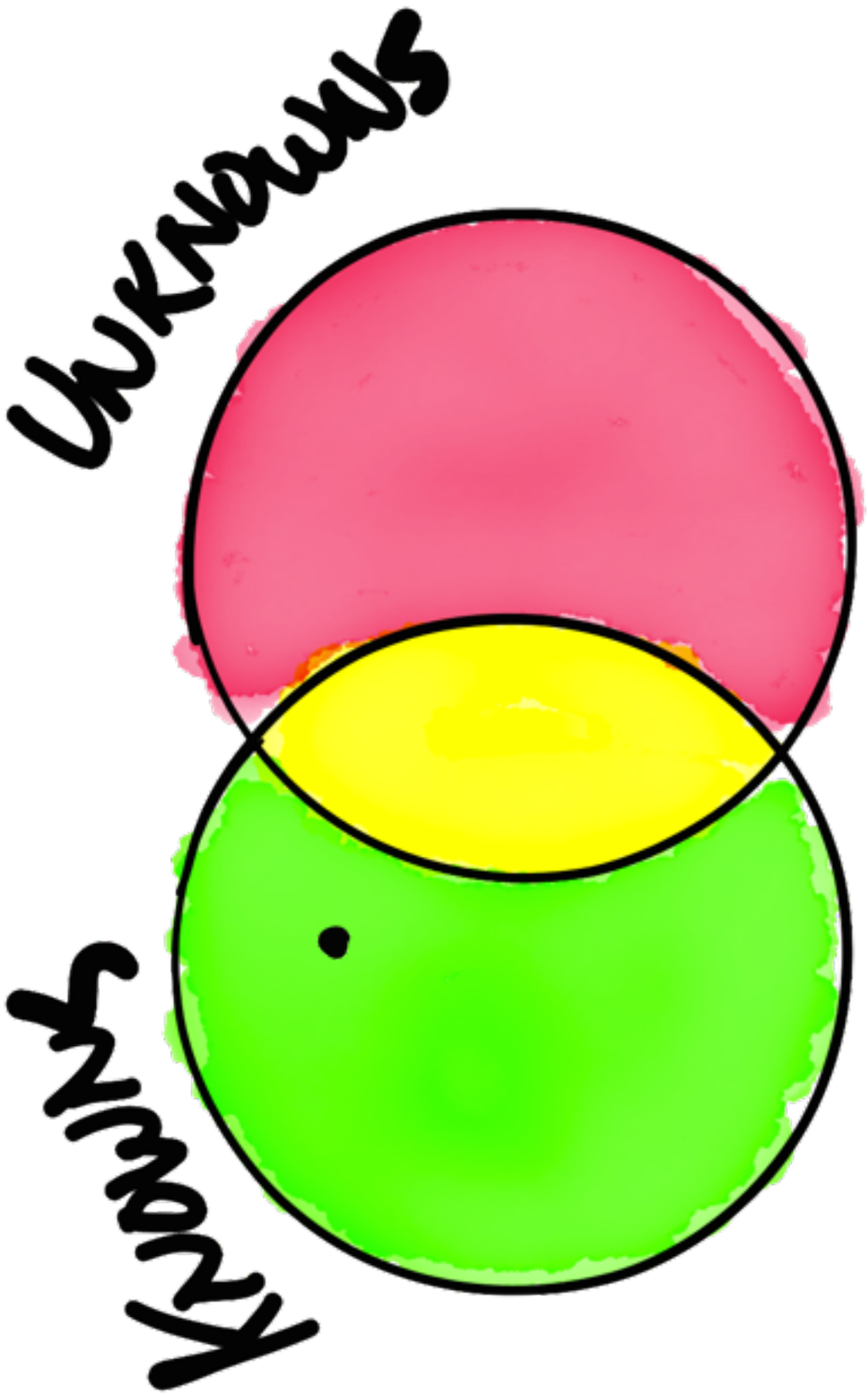
Product Development



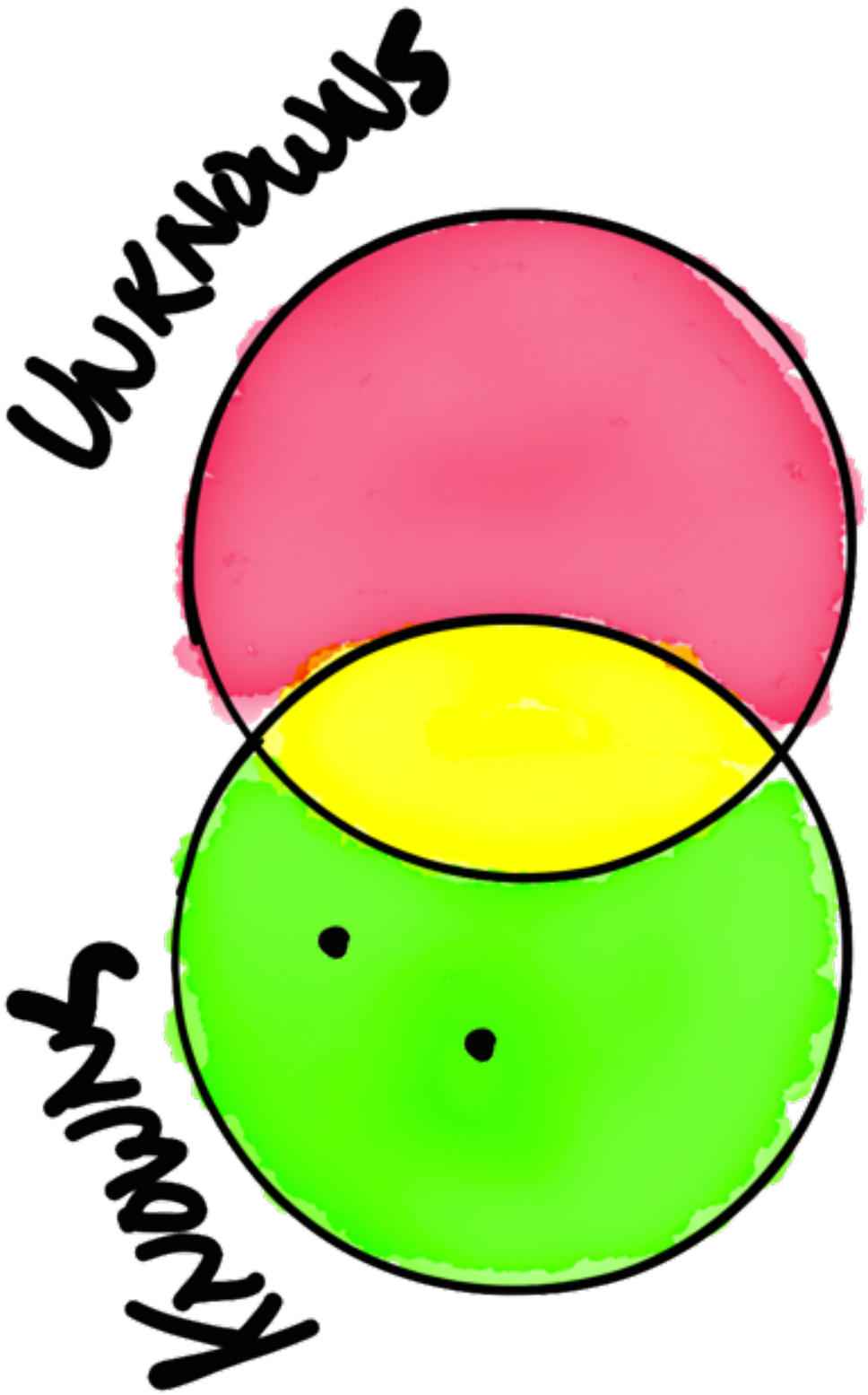
Product Development



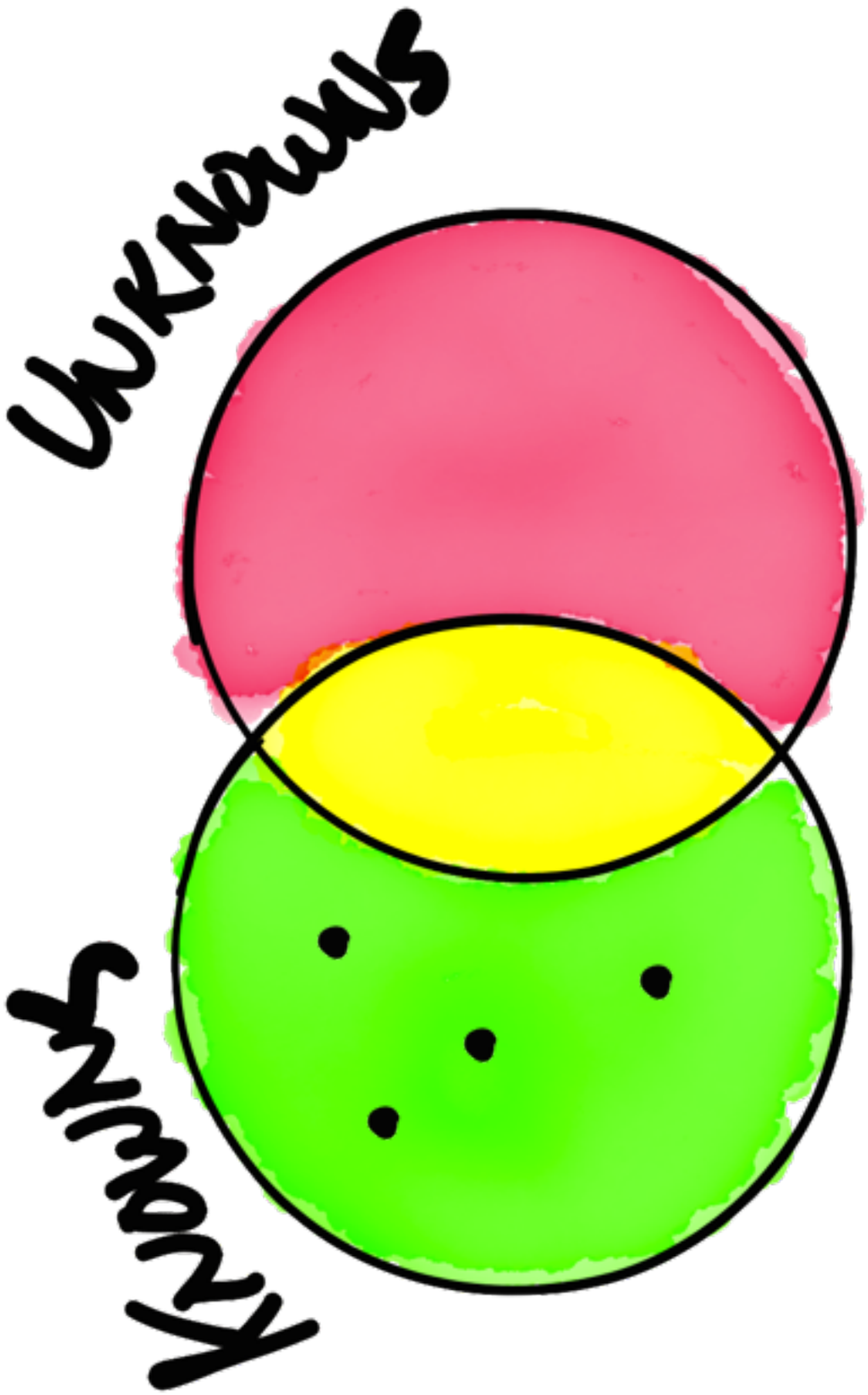
Product Development



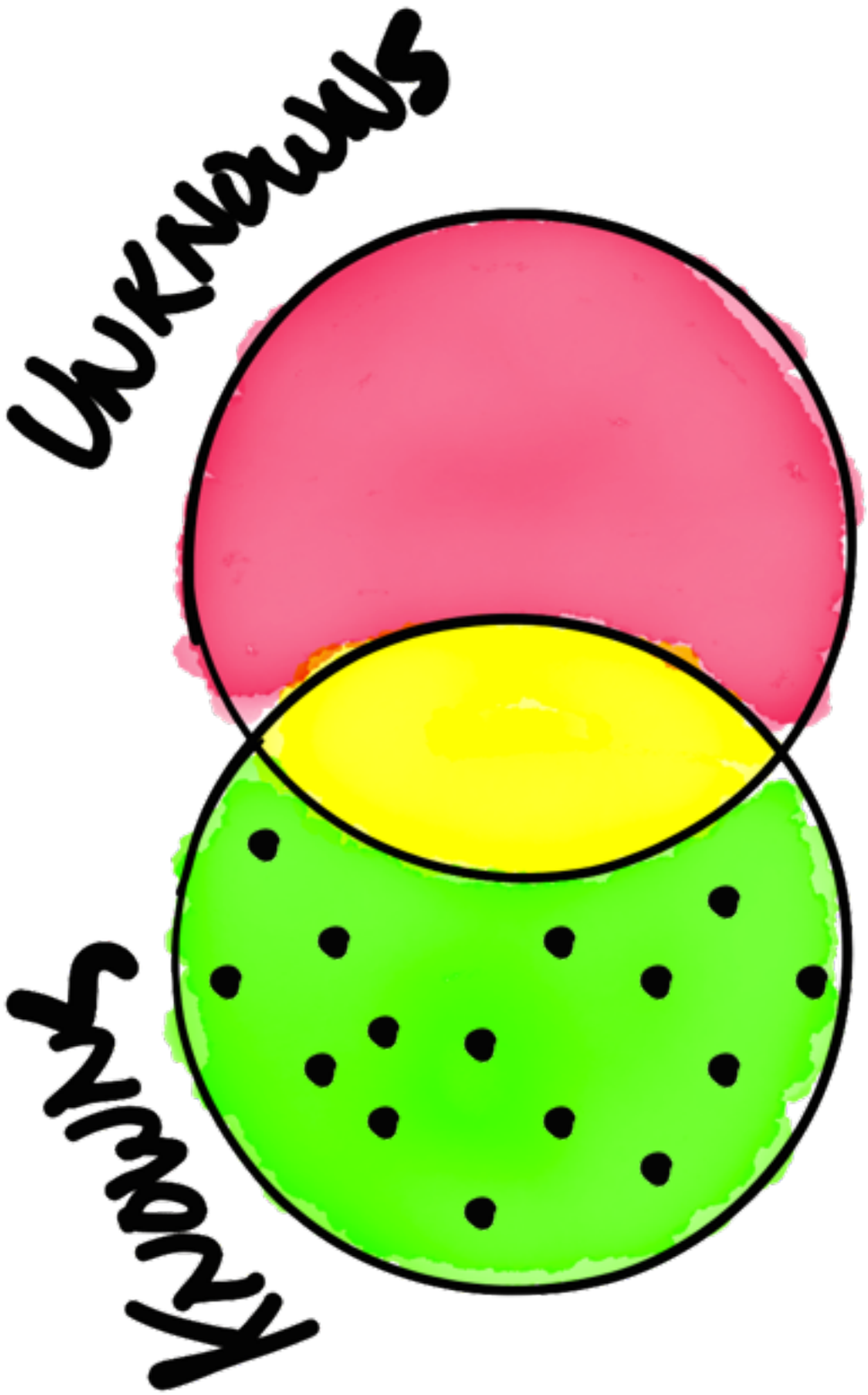
Product Development

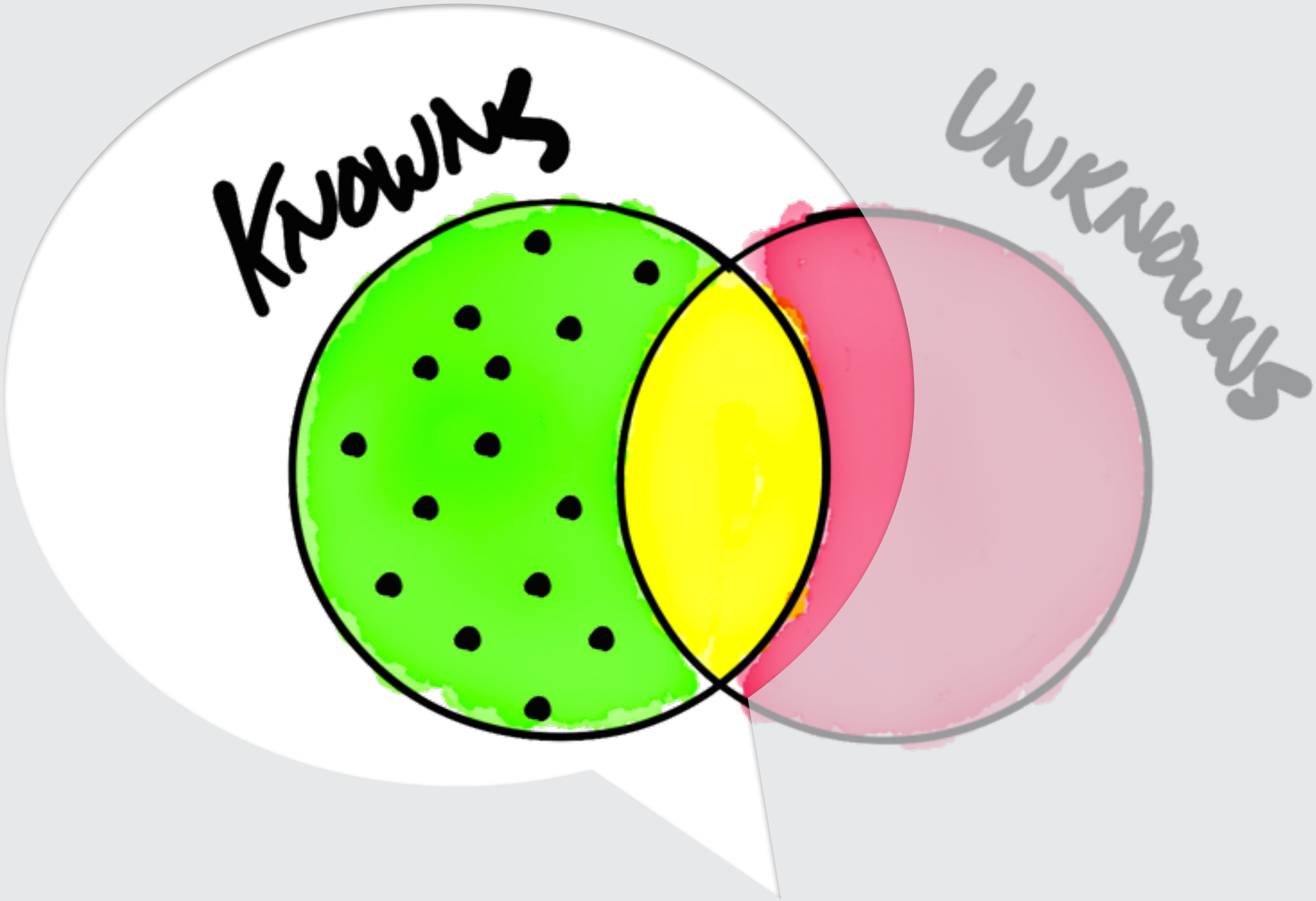


Product Development



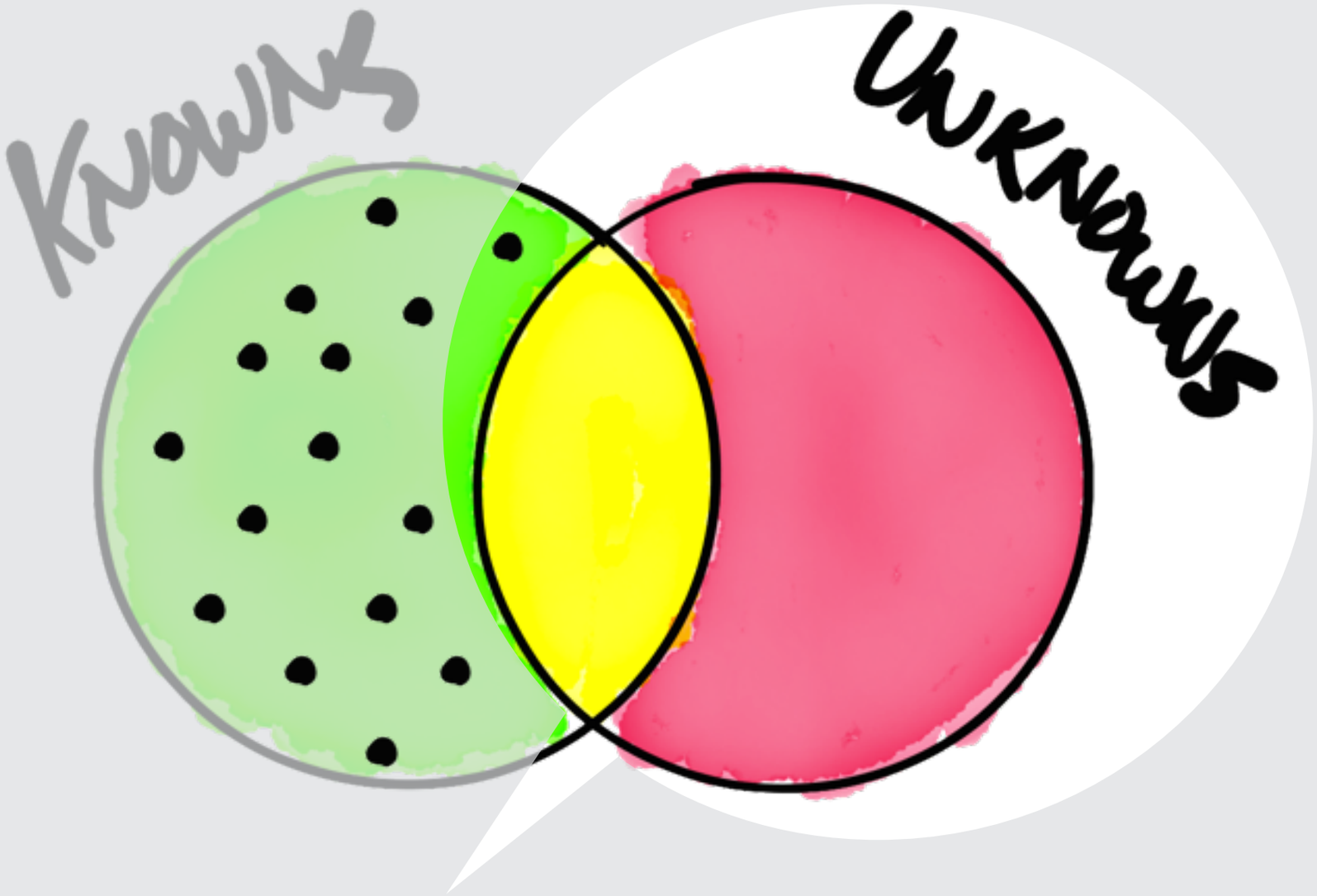
Product Development





Algorithmic Checking

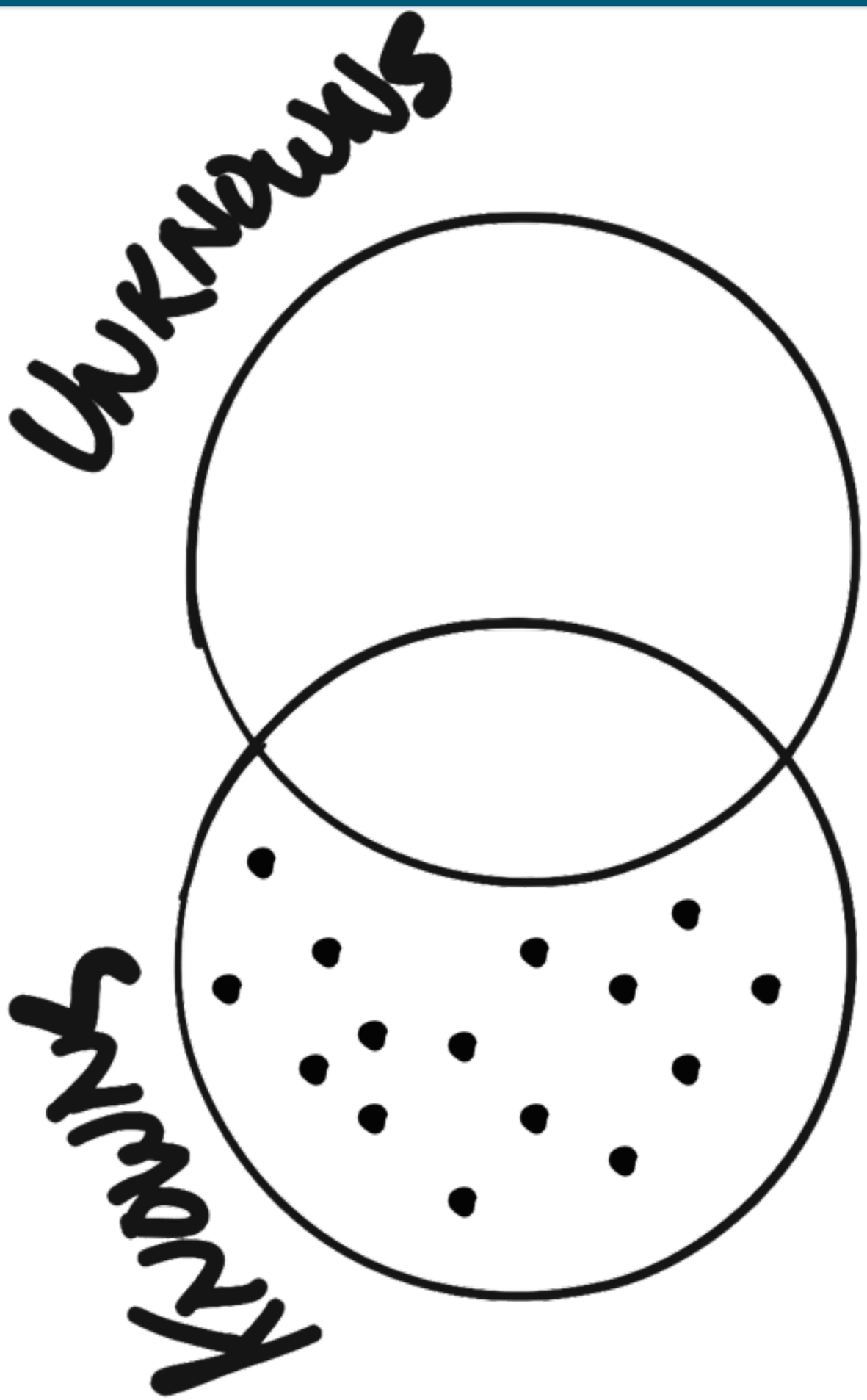
Validate Knowns



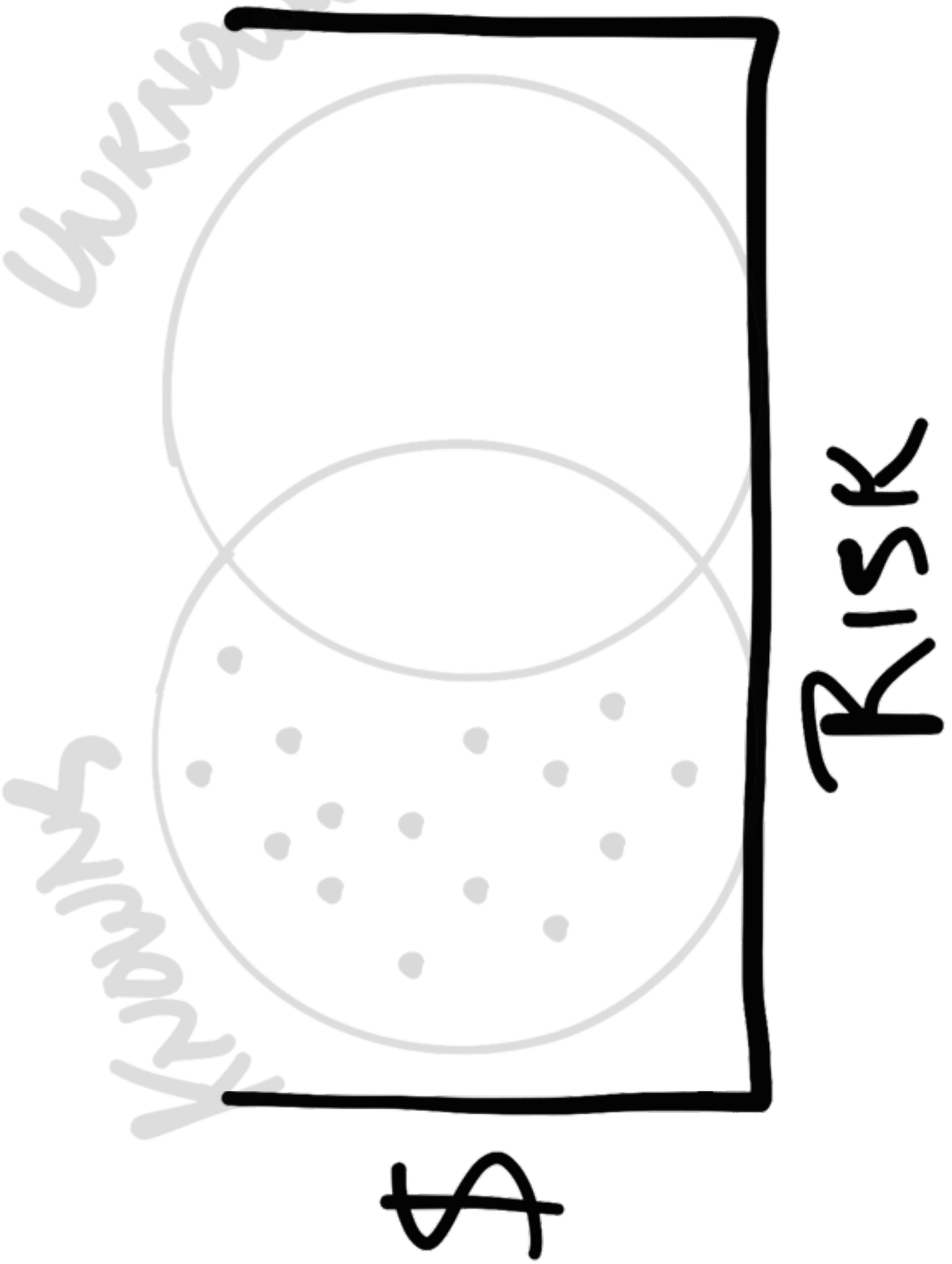
Creative (Exploratory) Testing

Discover Unknowns

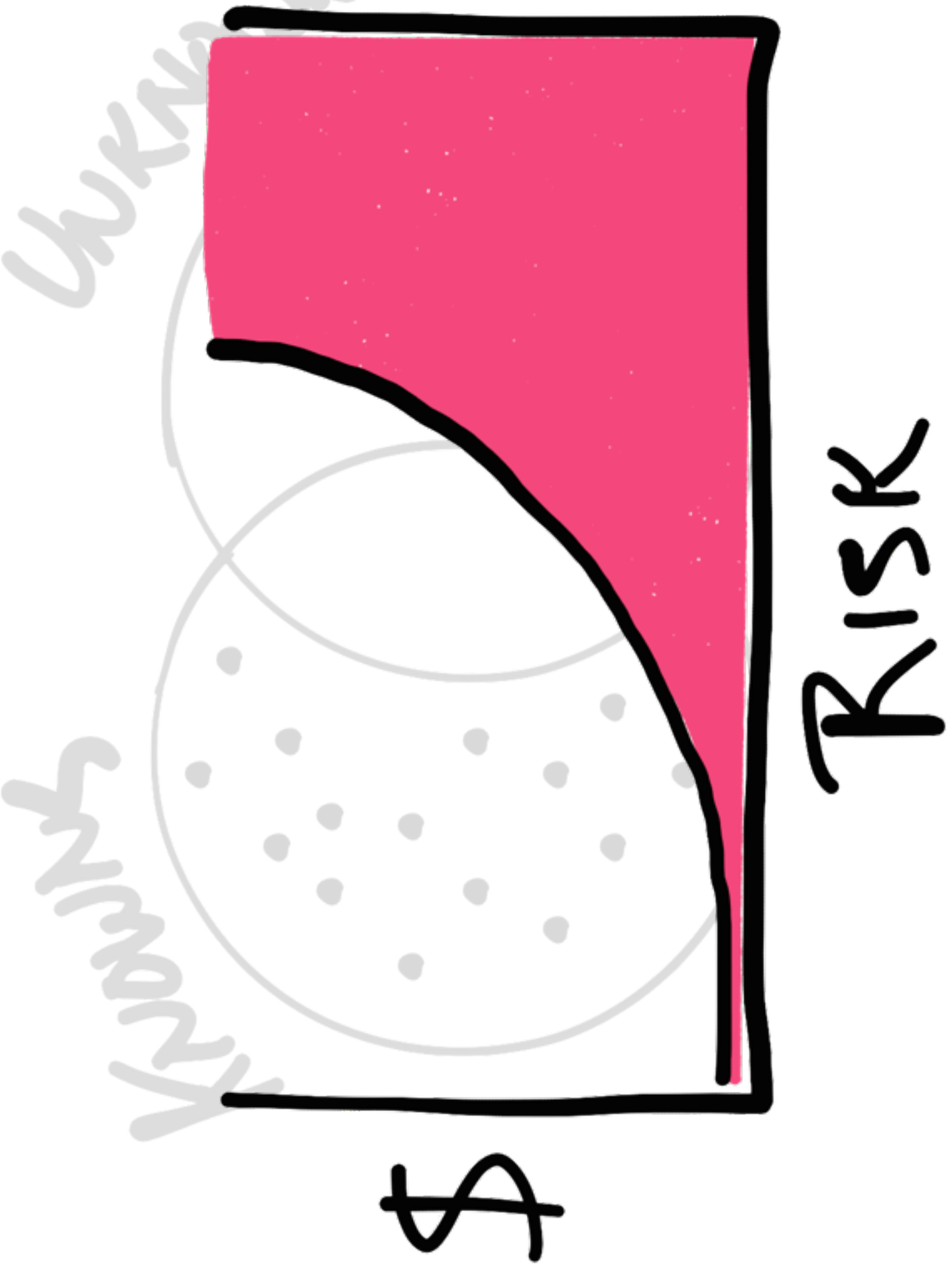
Risk Exposure



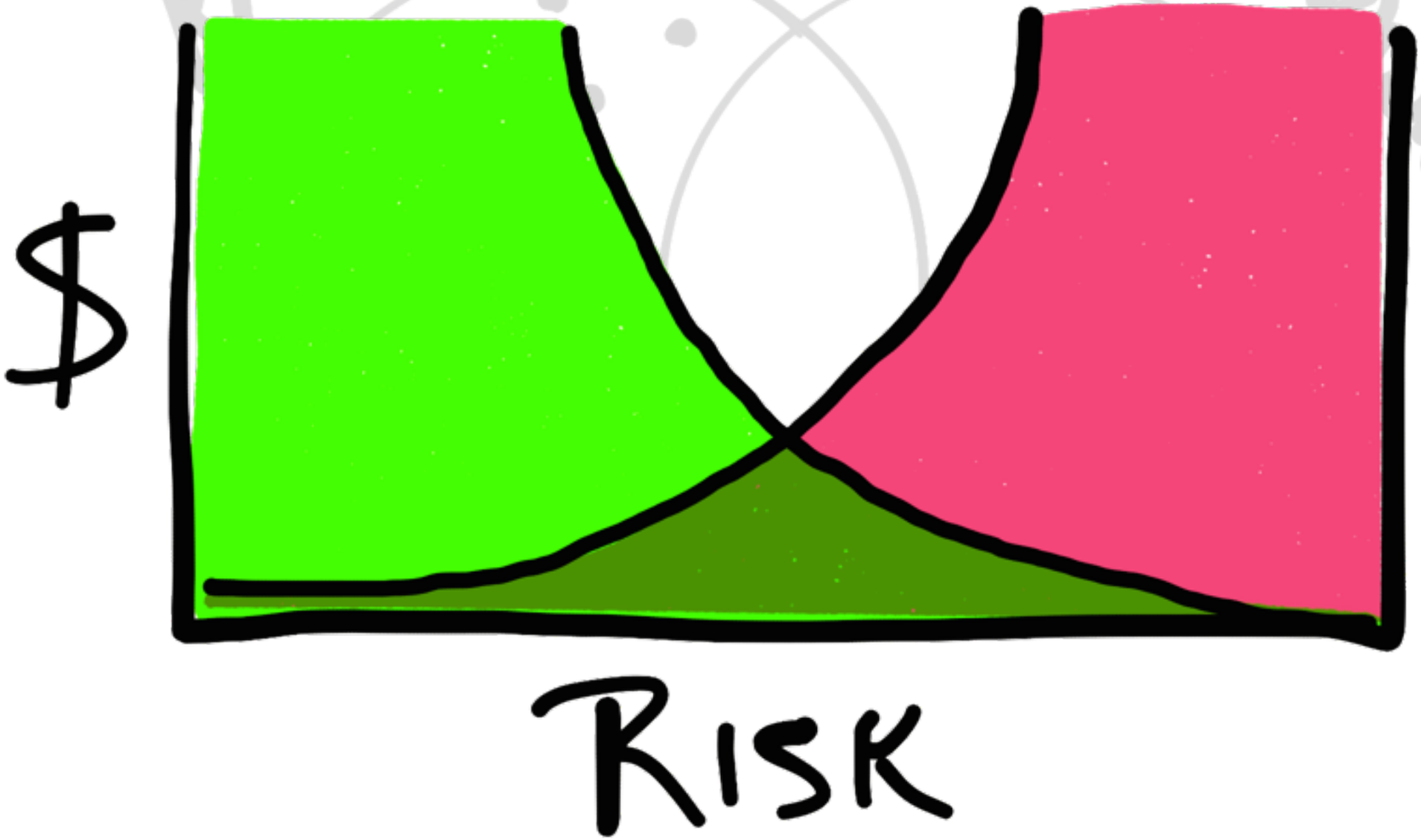
Risk Exposure



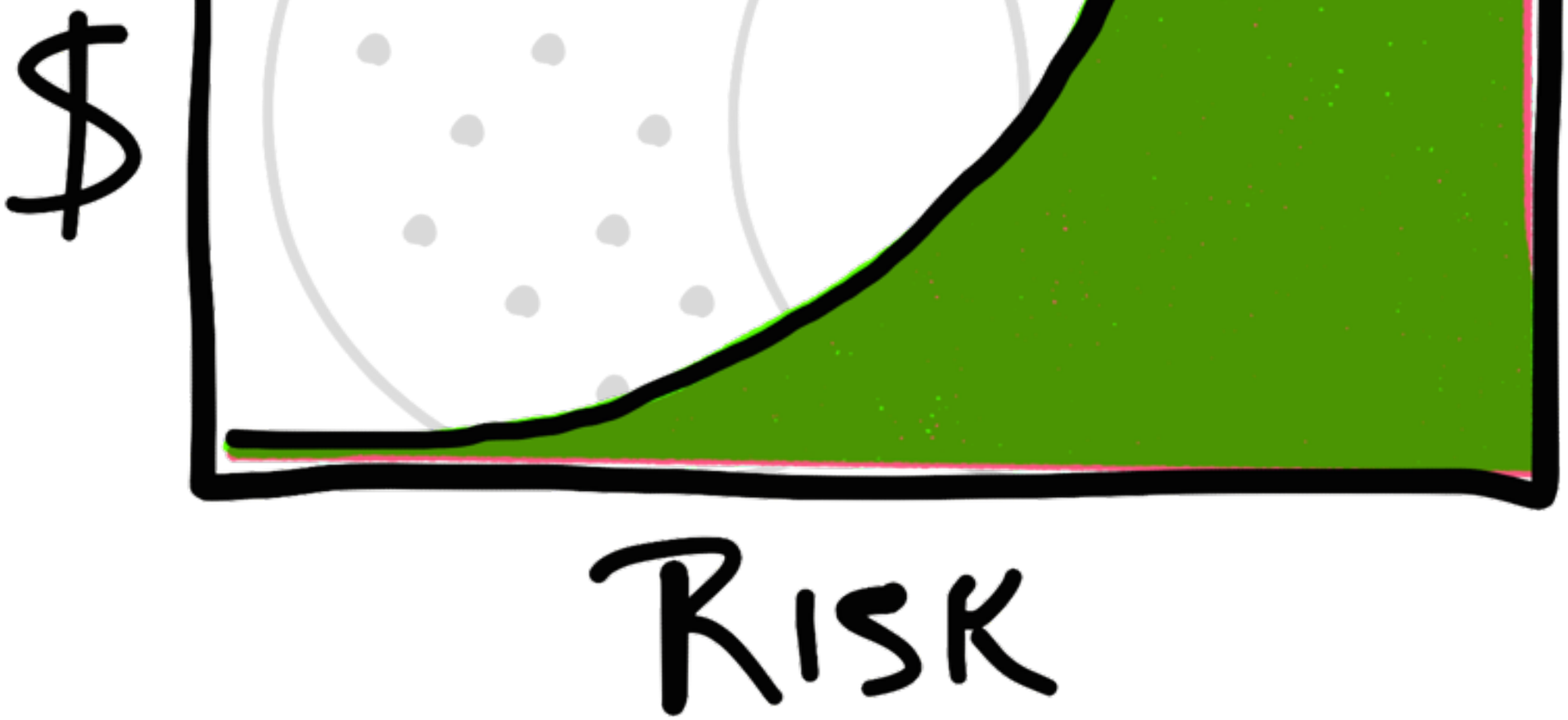
Risk Exposure



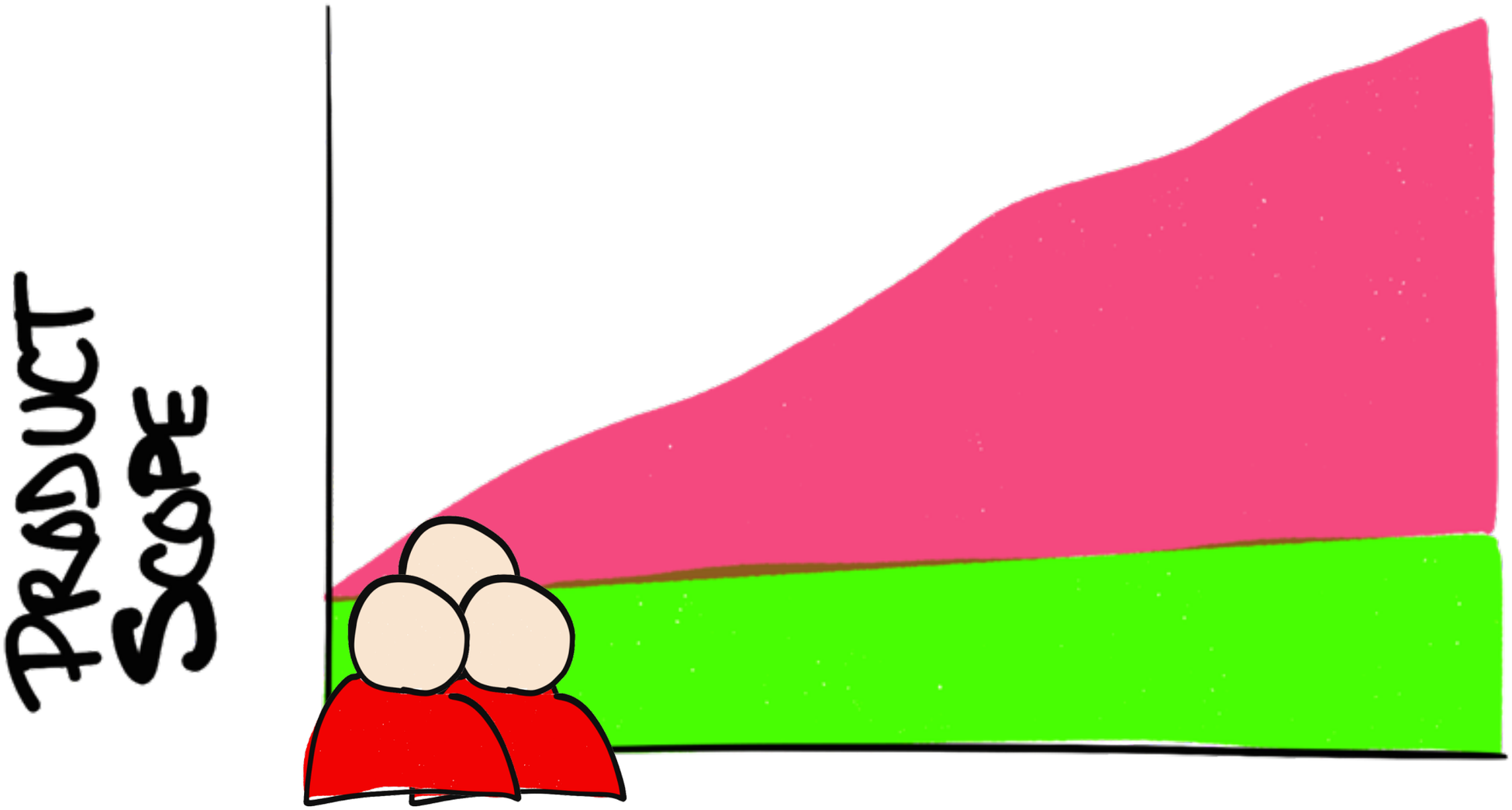
Risk Exposure



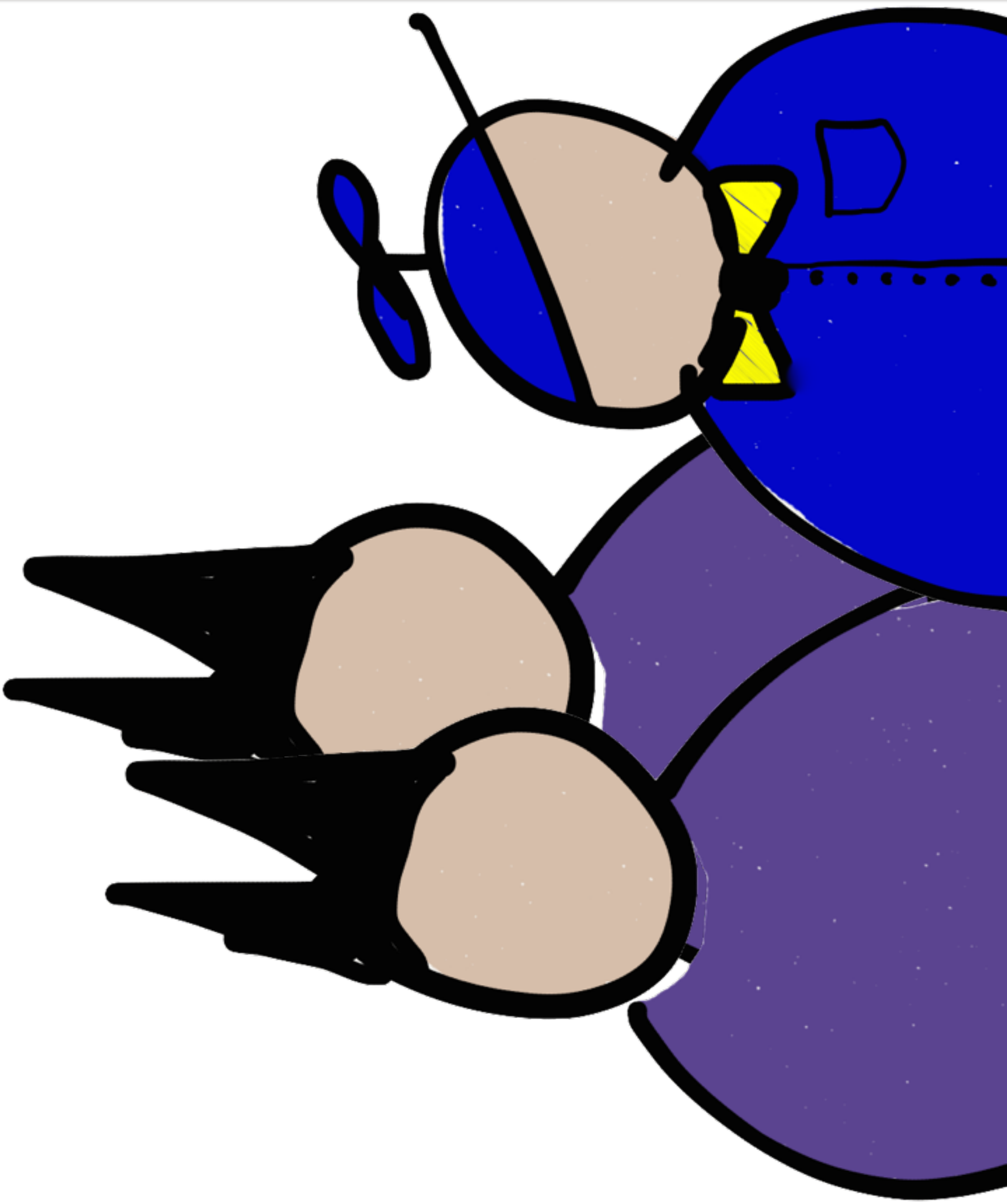
Risk Exposure



Look Familiar?



Look Familiar?



My test just broke because the developer changed an ID!

Look Familiar?

My test just broke because the database got refreshed!

Look Familiar?

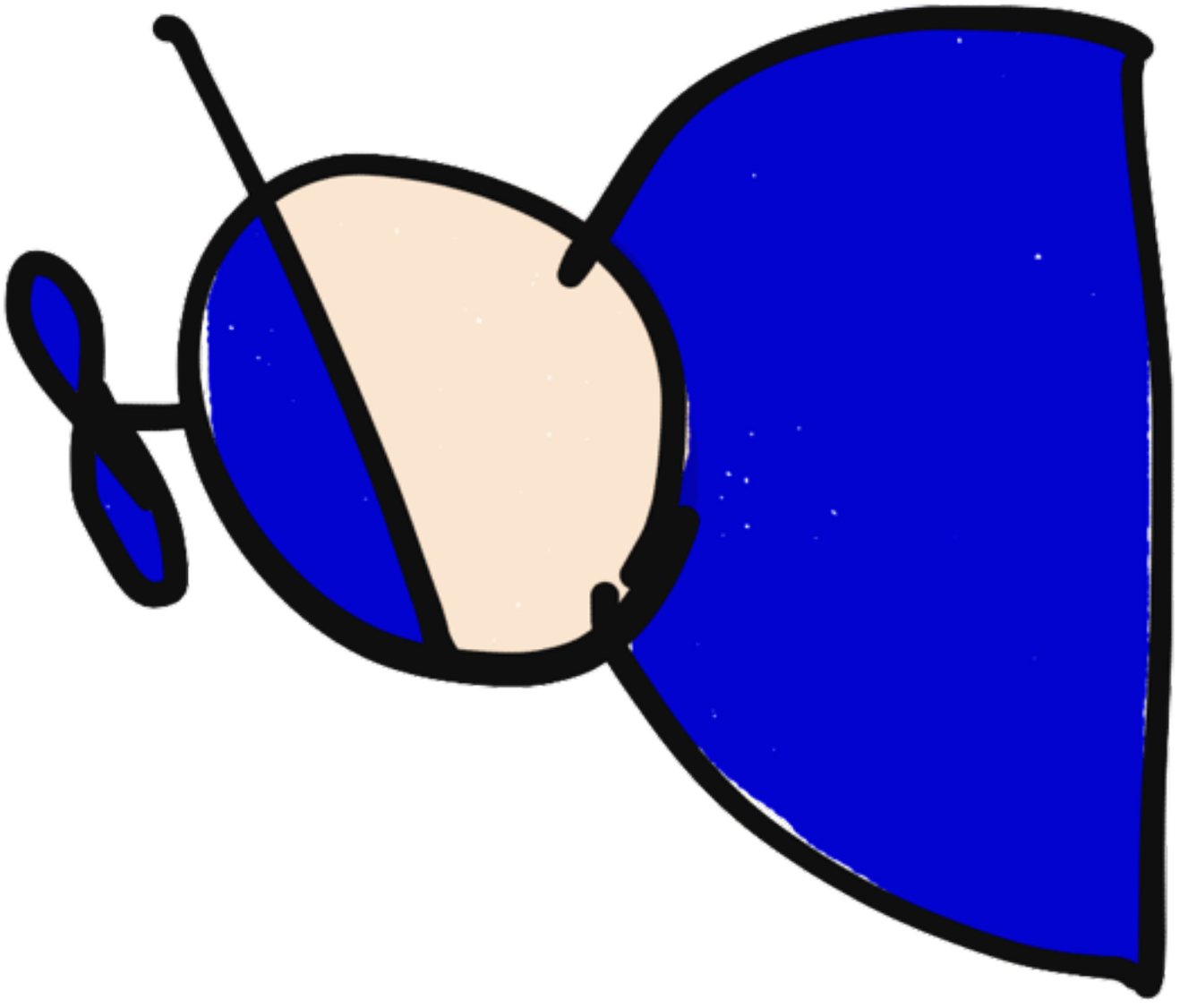
Oh. That is supposed to work that way? Ok. I'll fix the test...

Look Familiar?

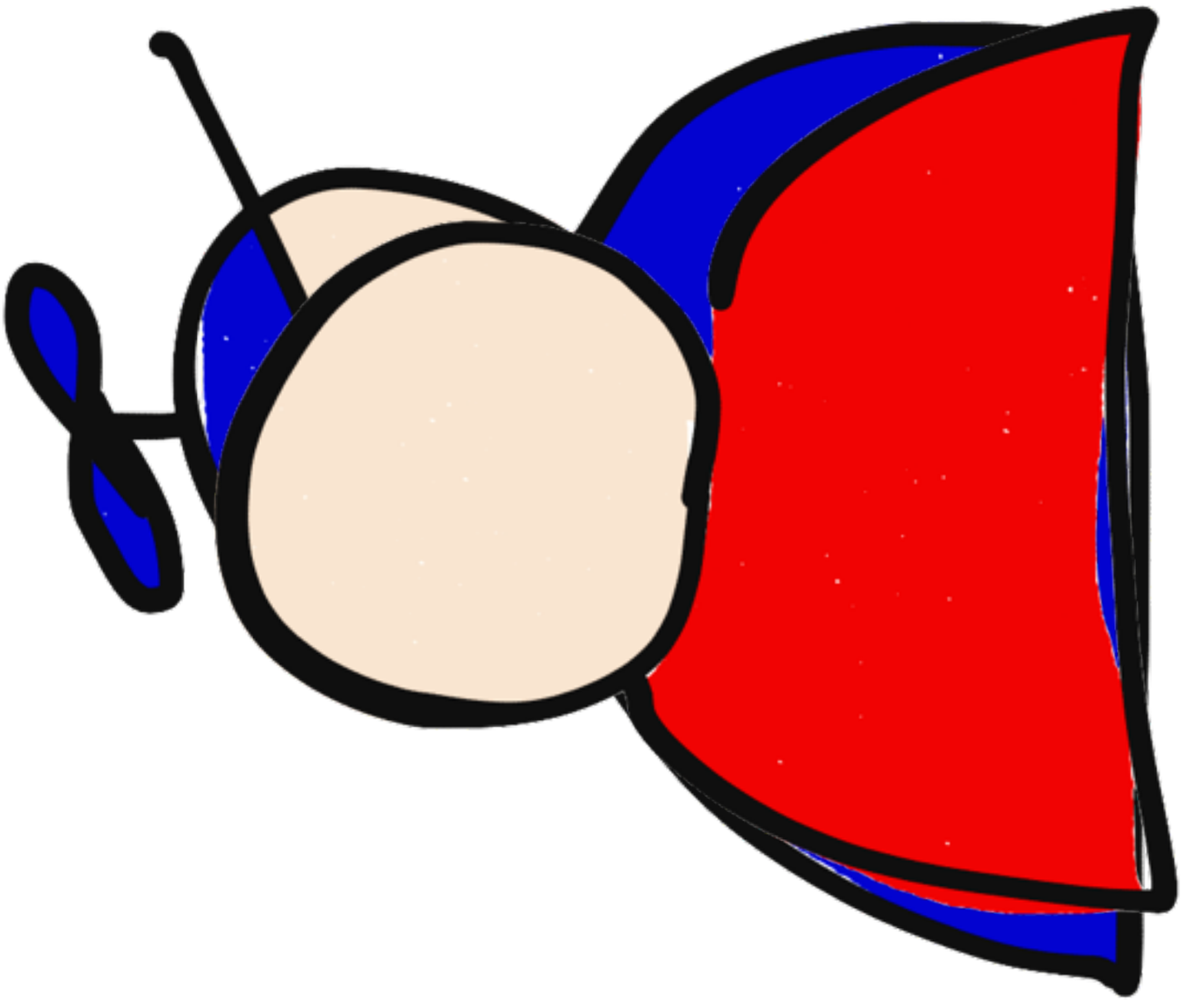
What version of the tests work with version 4.3 of the code?

Look Familiar?

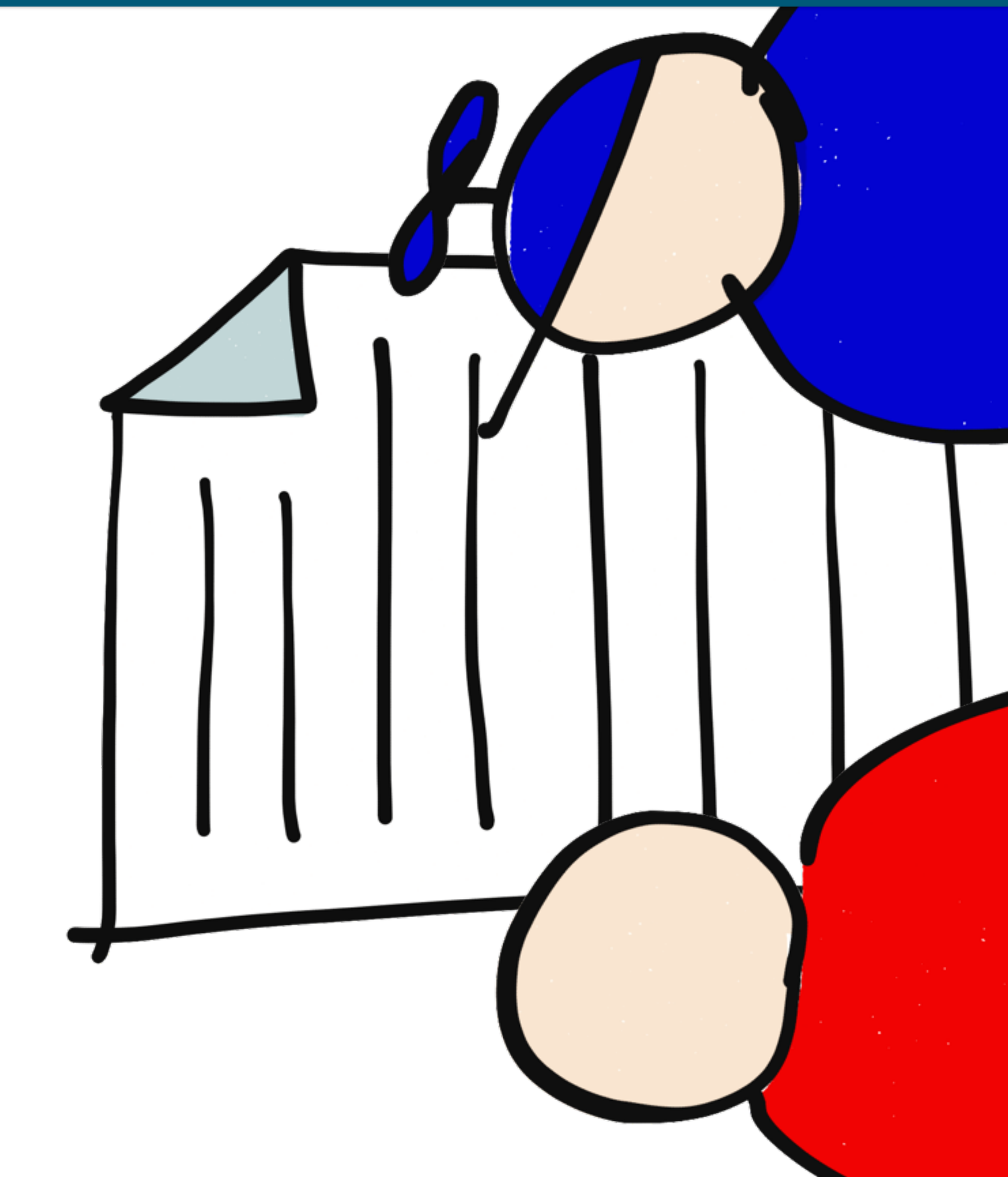
Algorithm Writers?



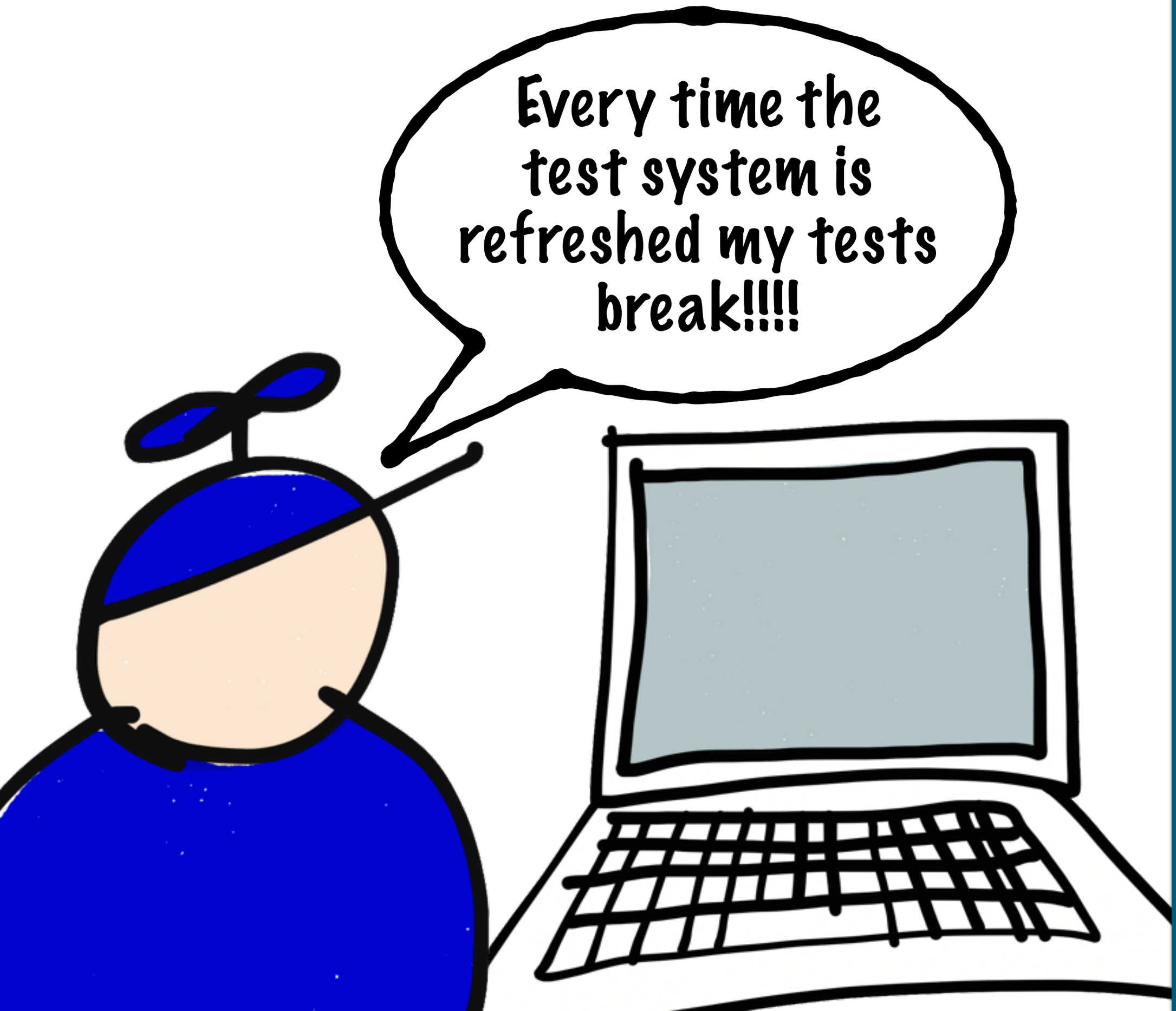
Developer as Tester?



Best of Both: BDD

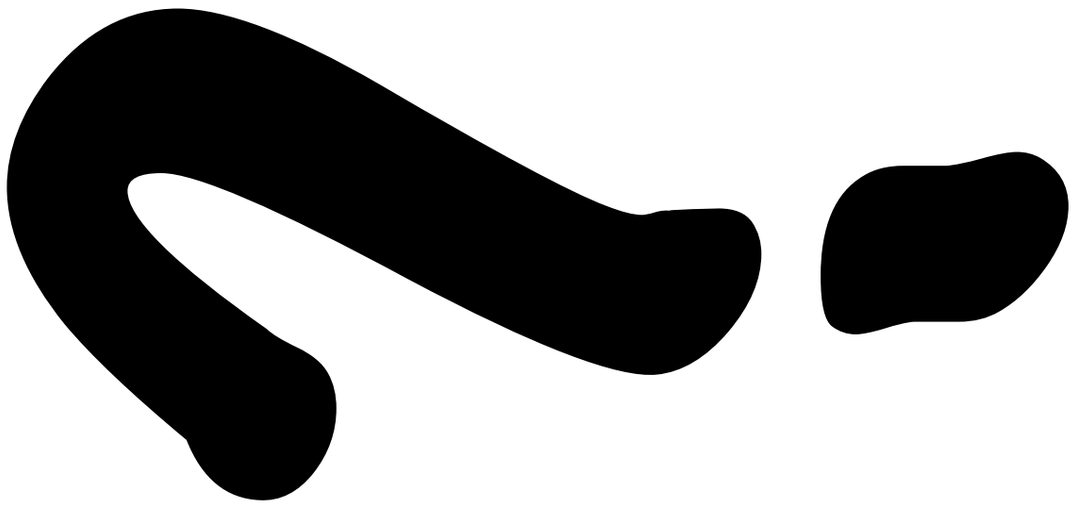


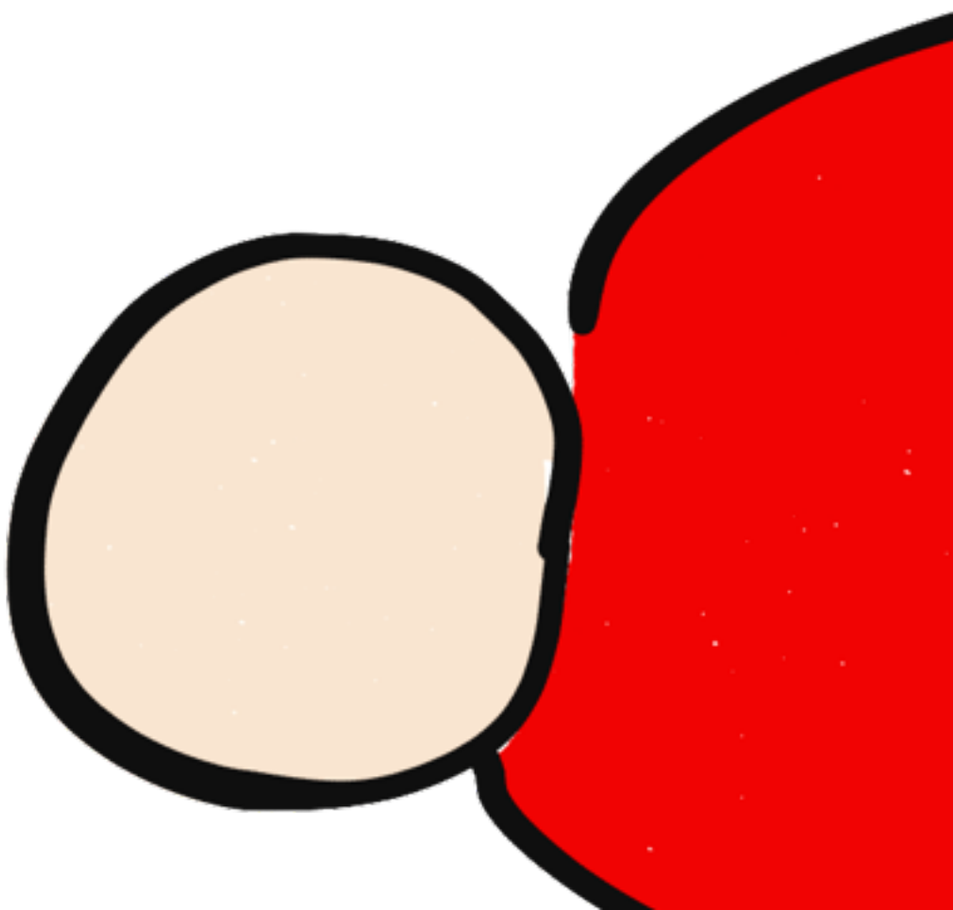
Best of Both: BDD



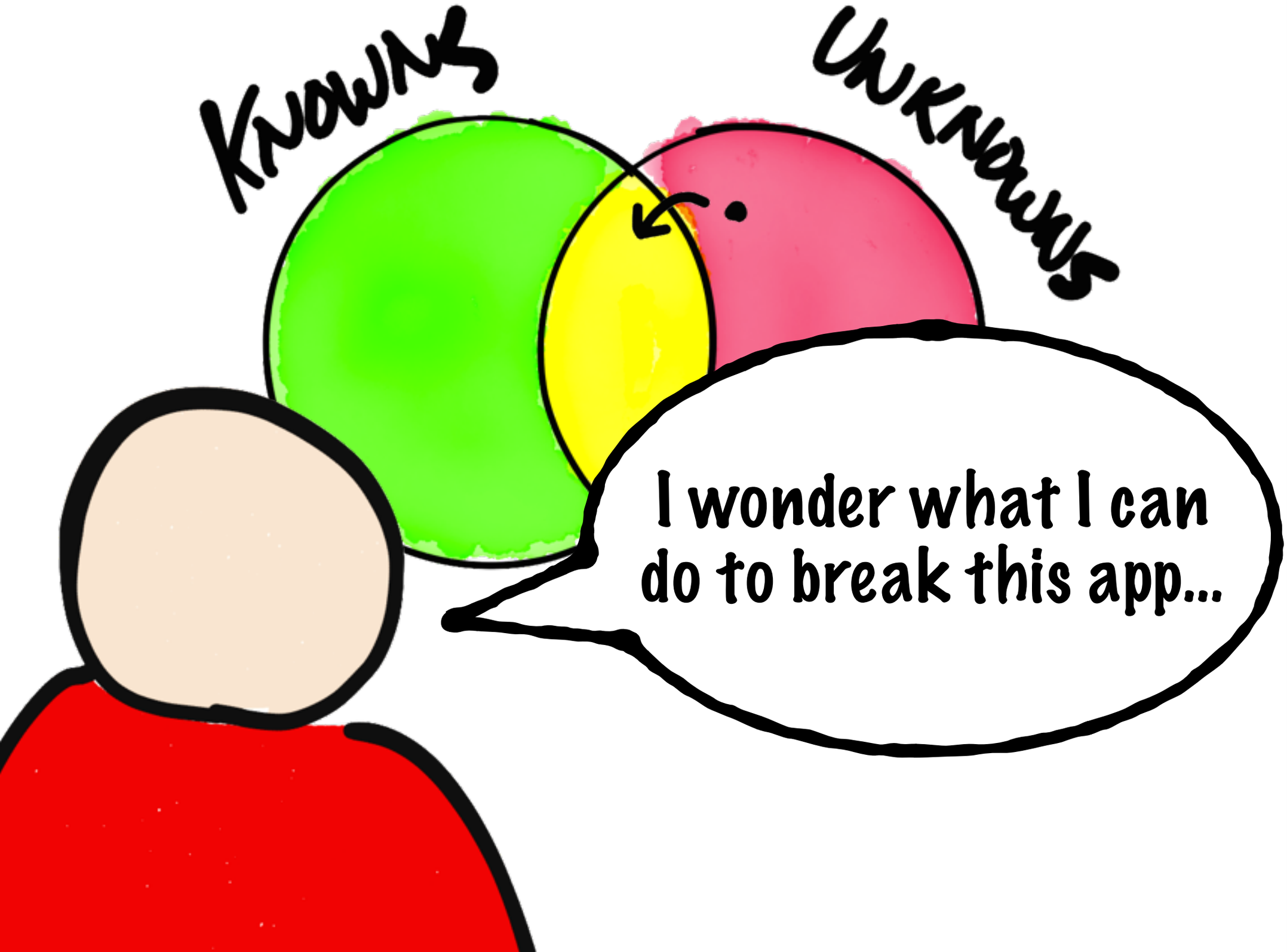
Best of Both: BDD

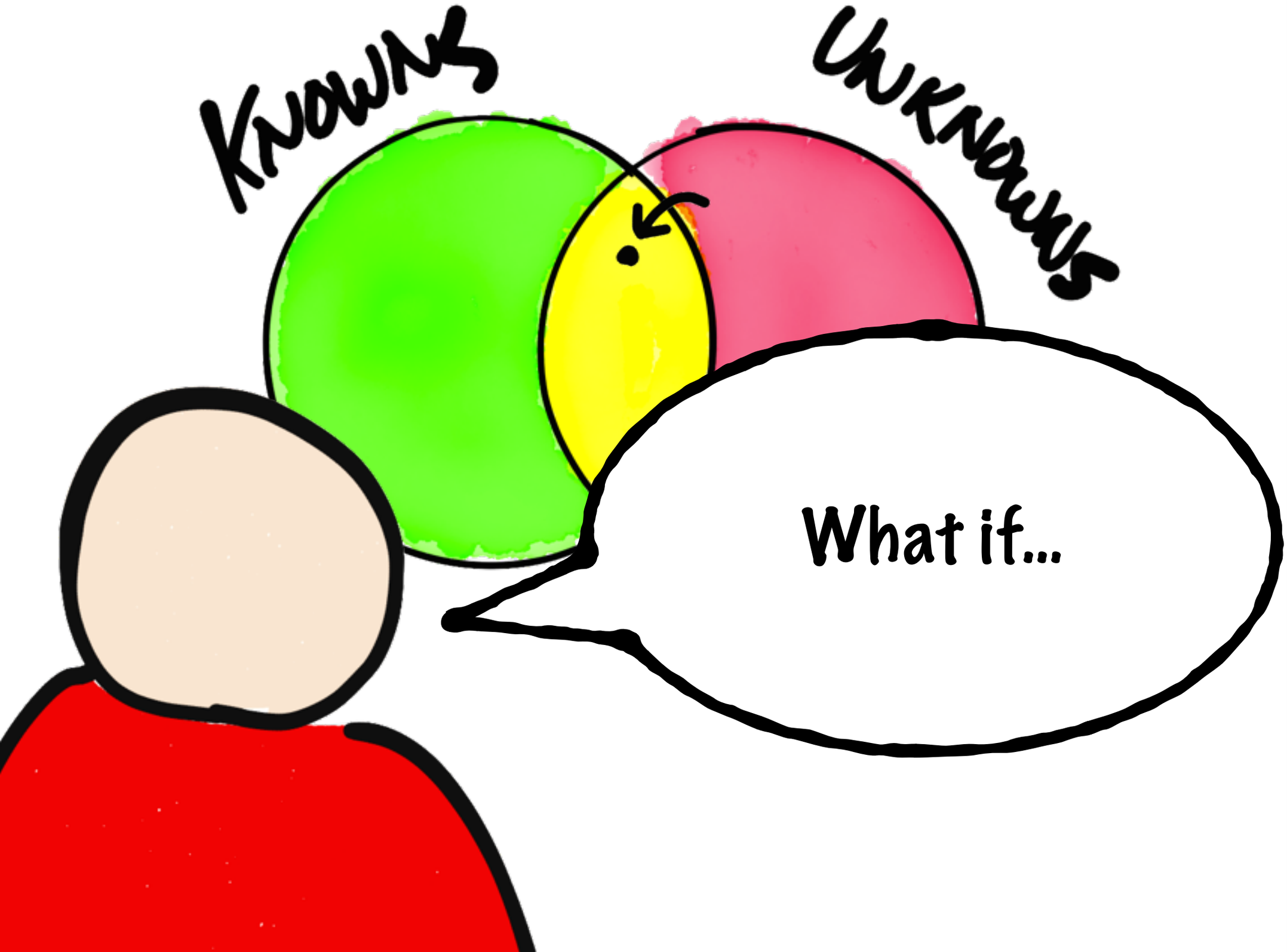
What About Me?



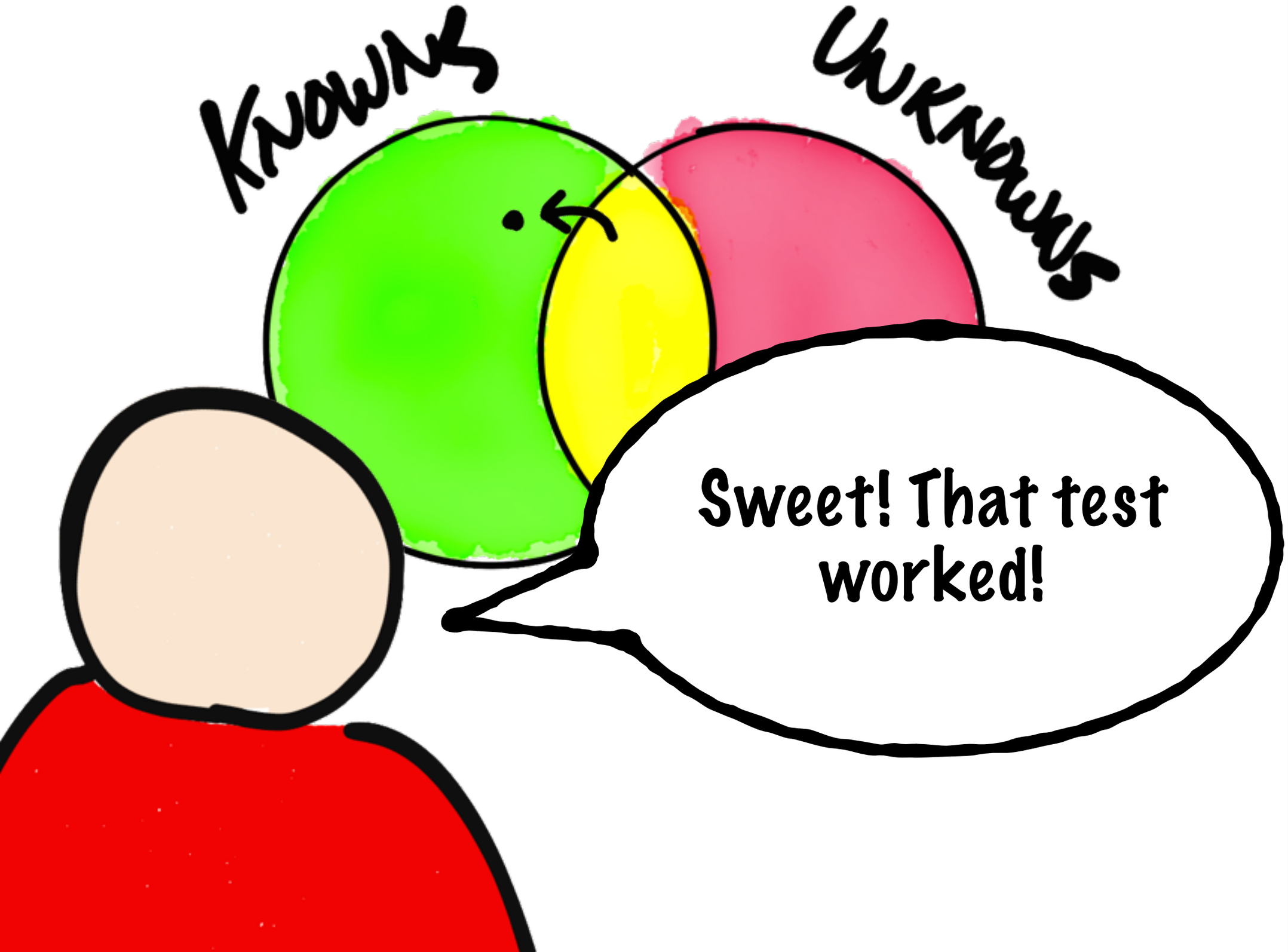


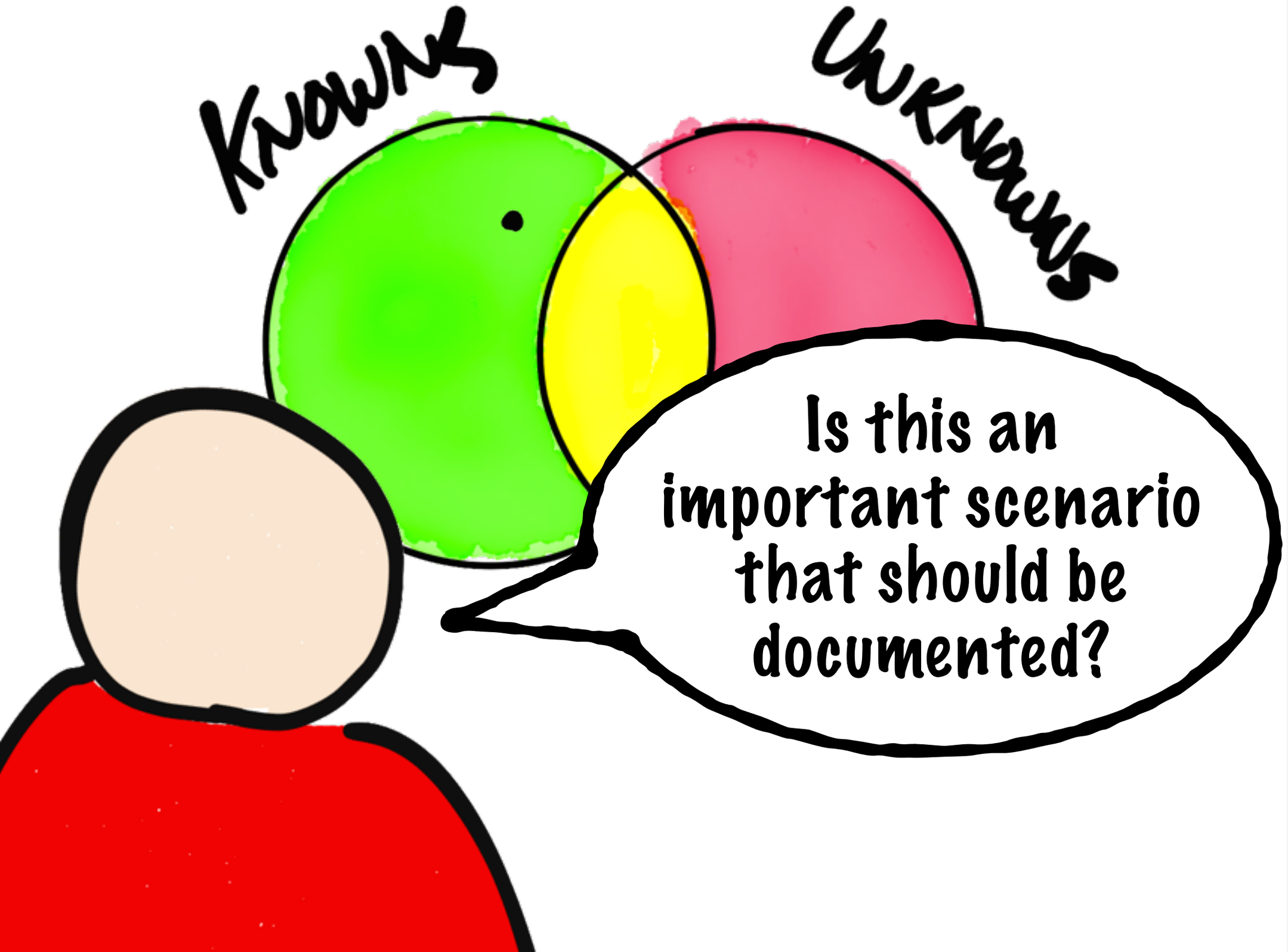
The Risk Manager

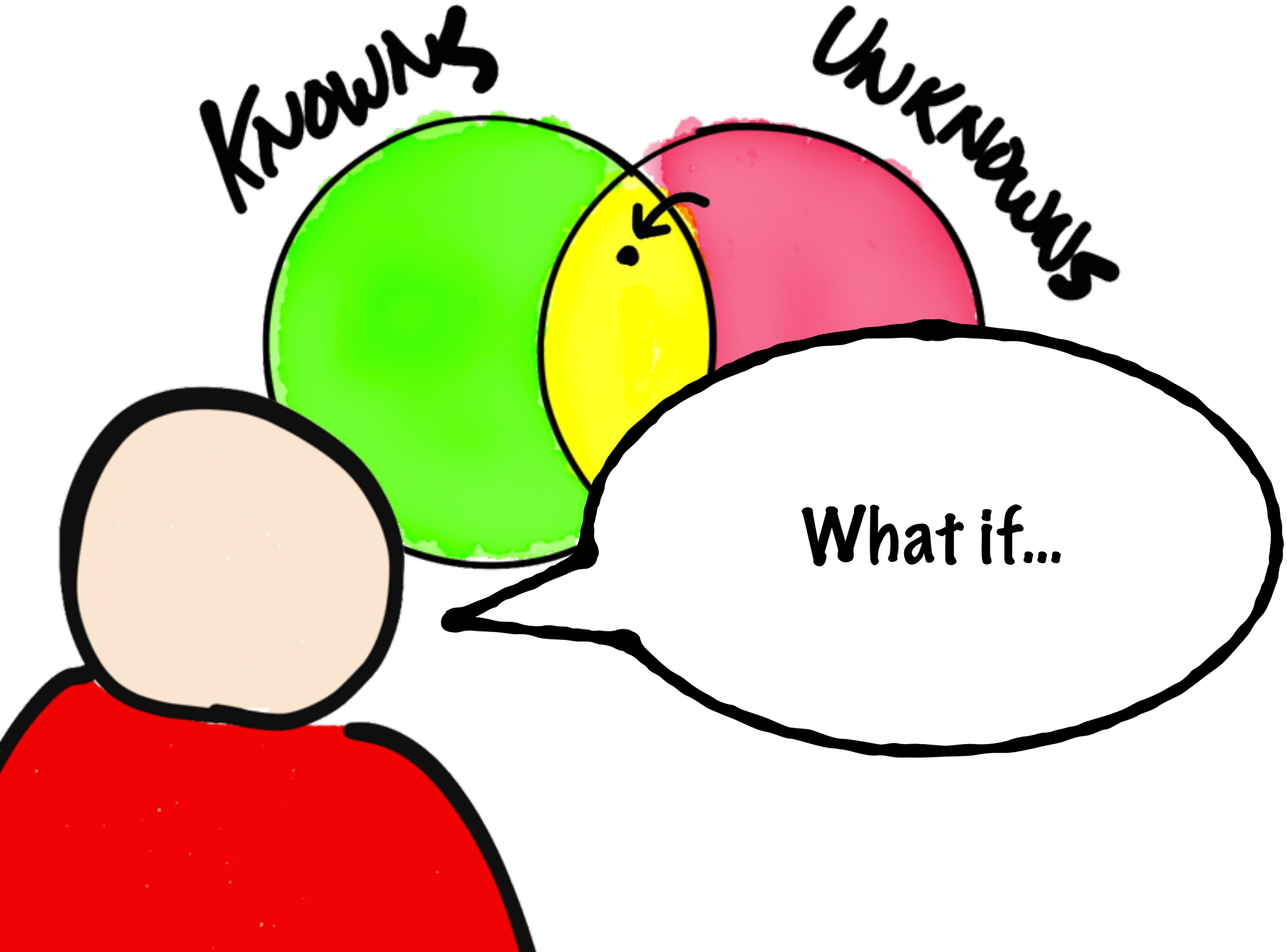




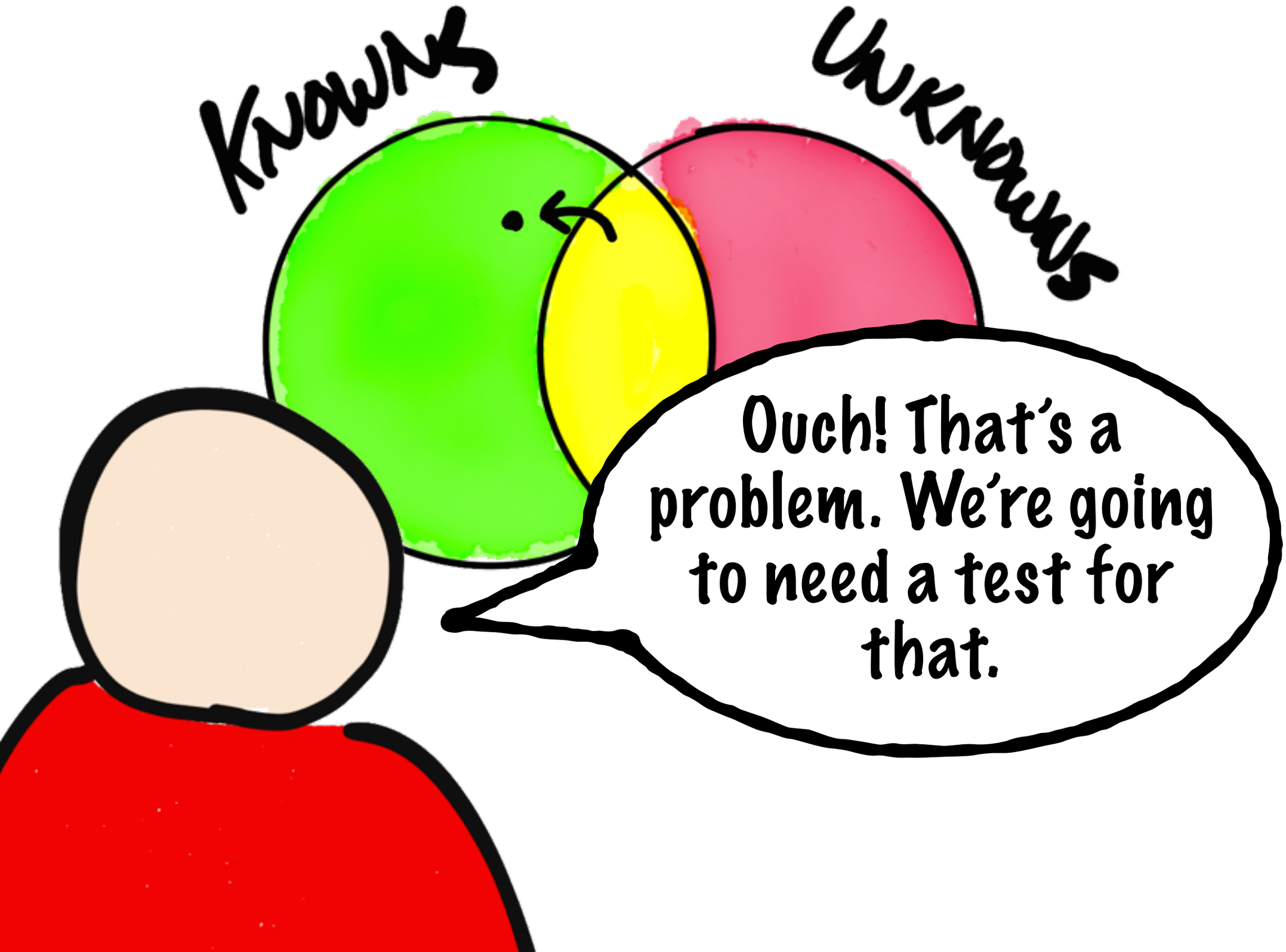
The Risk Manager


KNOWNS
UNKNOWNS
Sweet! That test worked!


KNOWNS
UNKNOWNS
Is this an important scenario that should be documented?

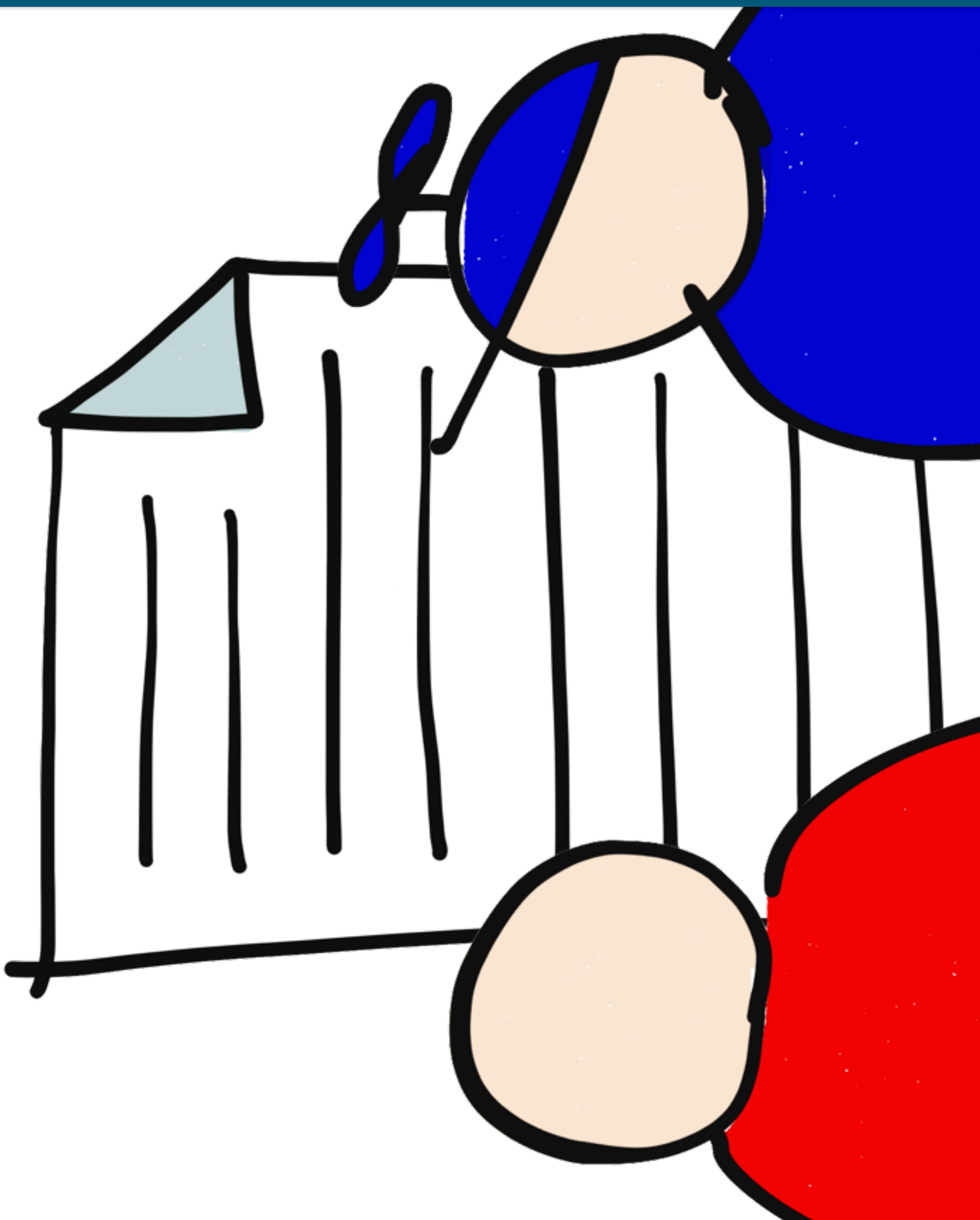


The Risk Manager

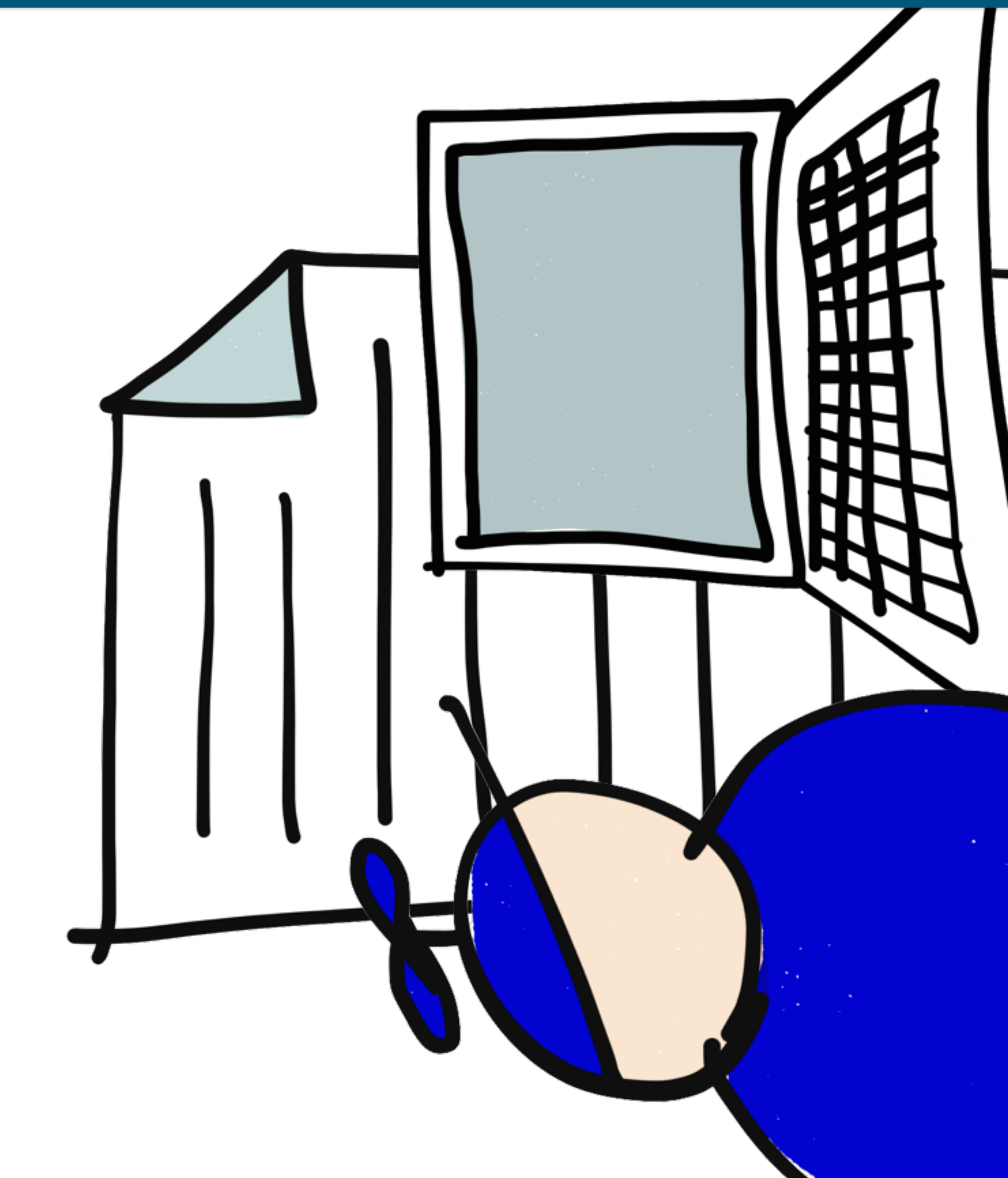


The Risk Manager

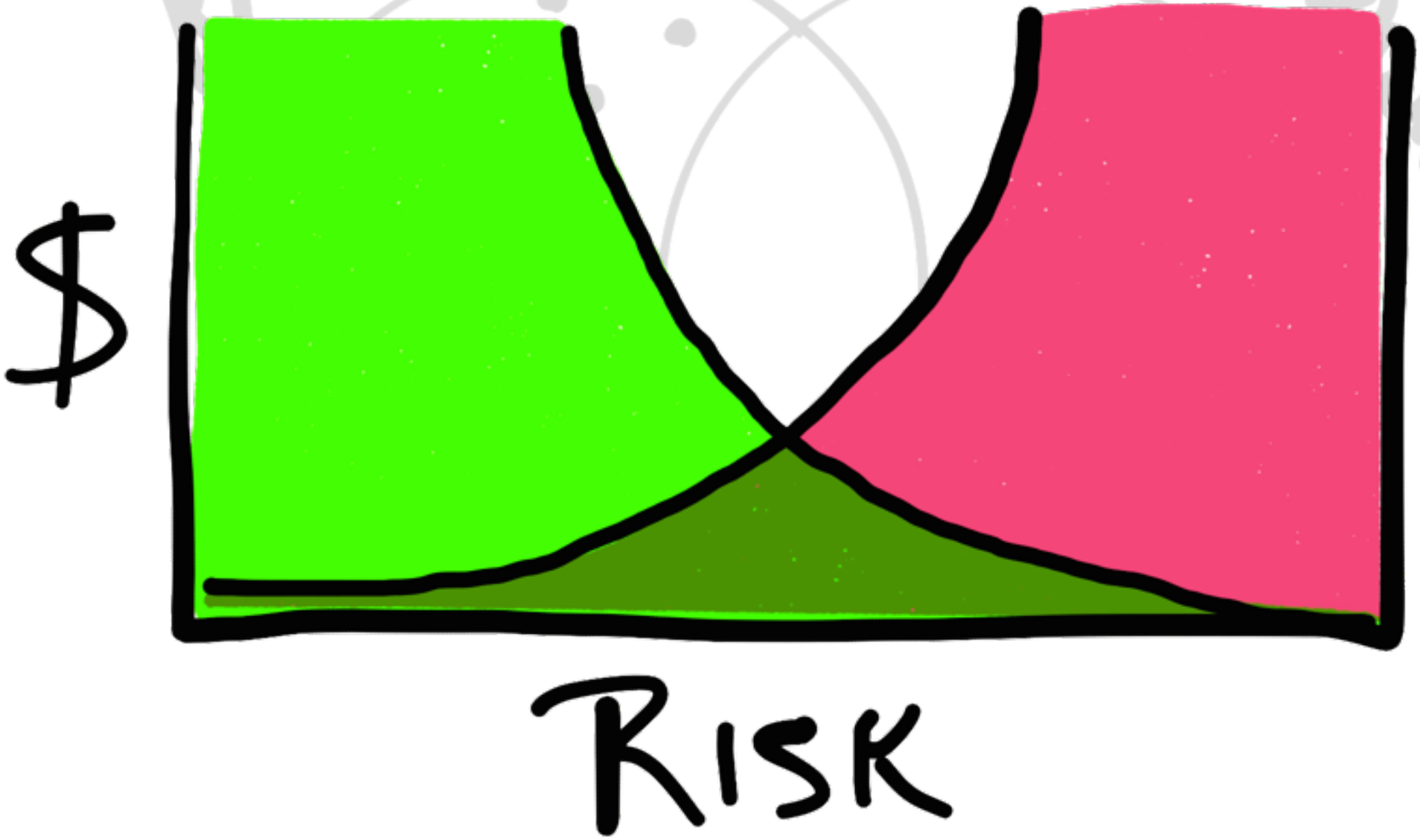
“I found this issue”



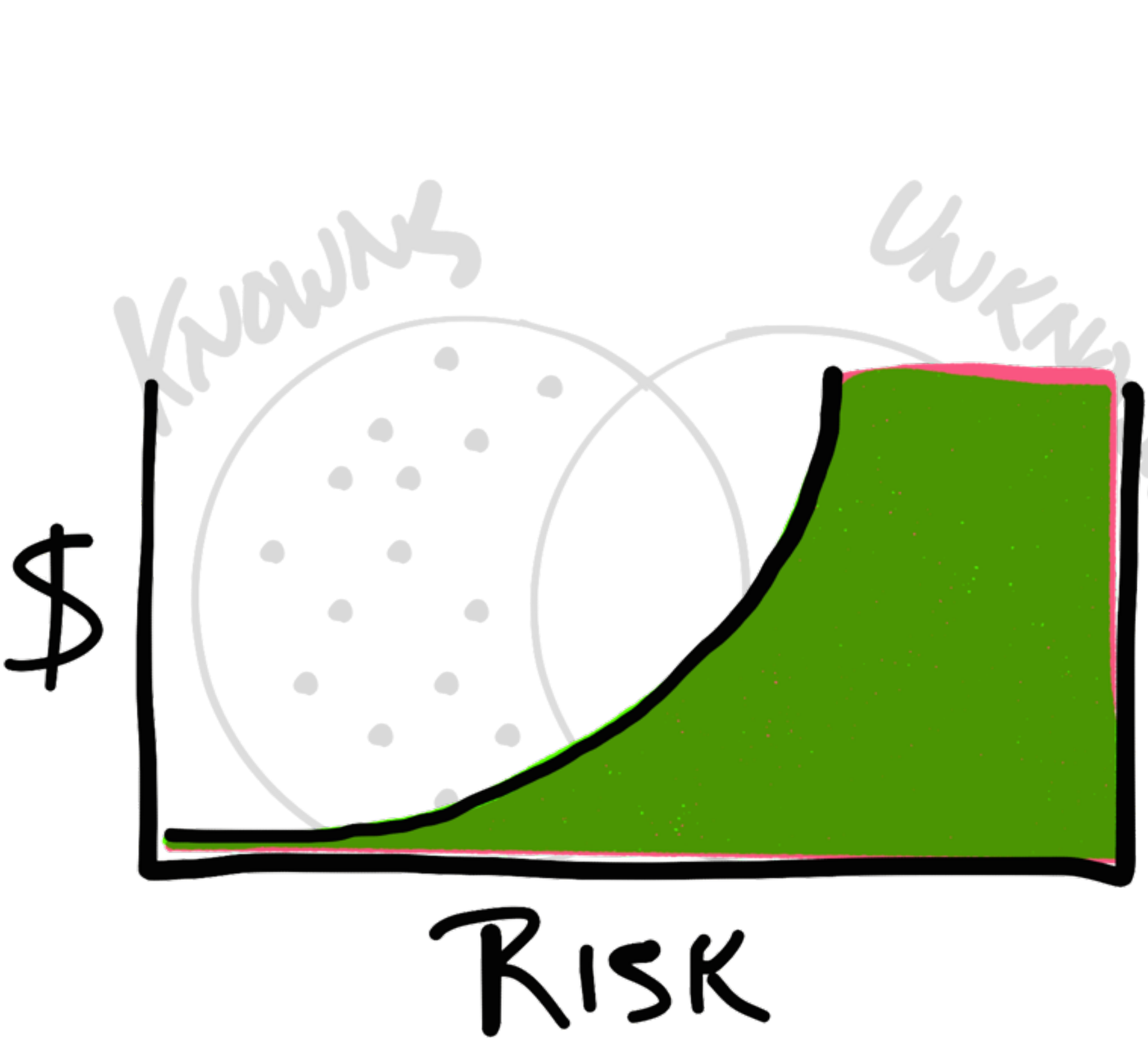
Fix it and forget it



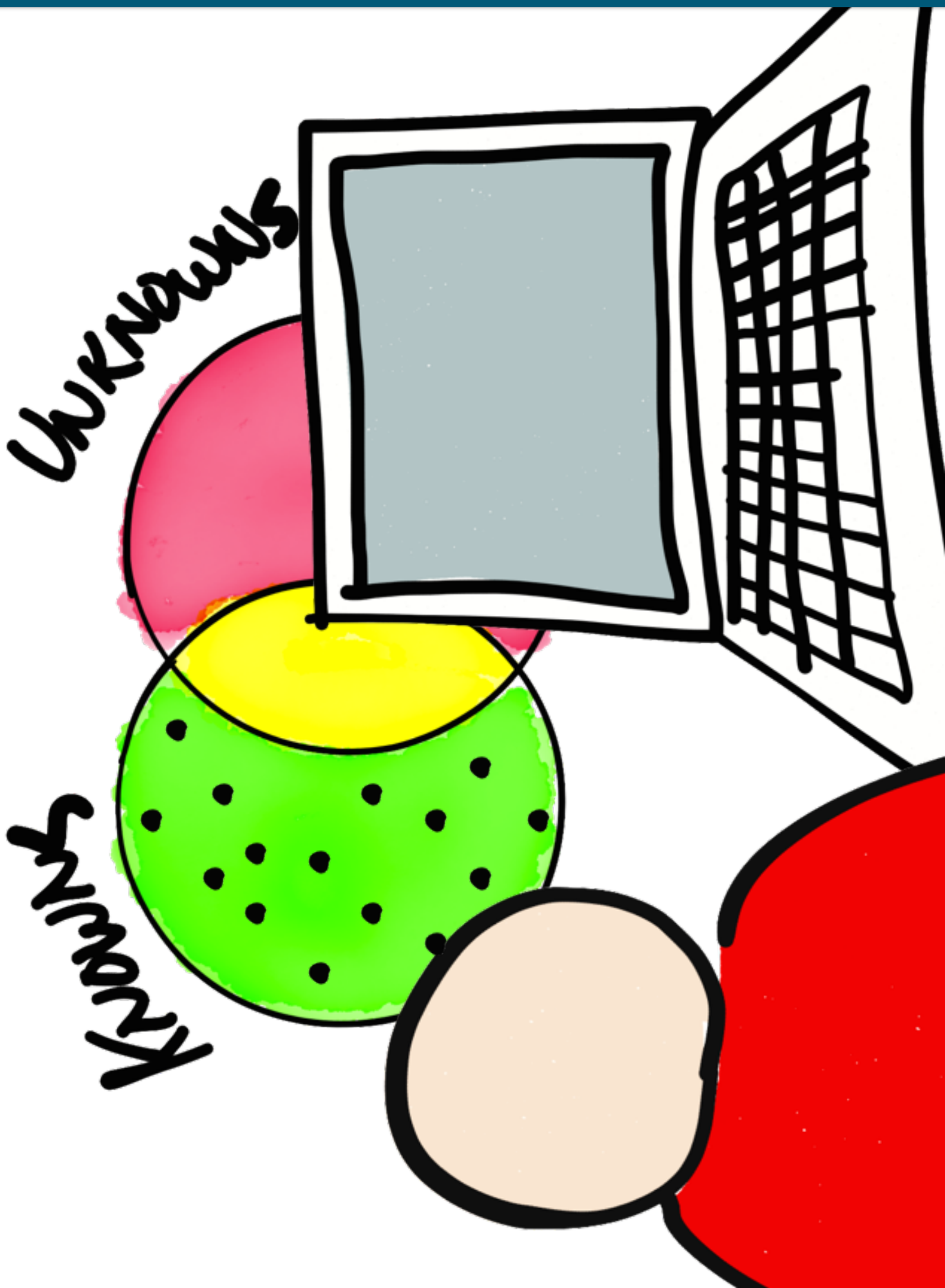
What do we know?



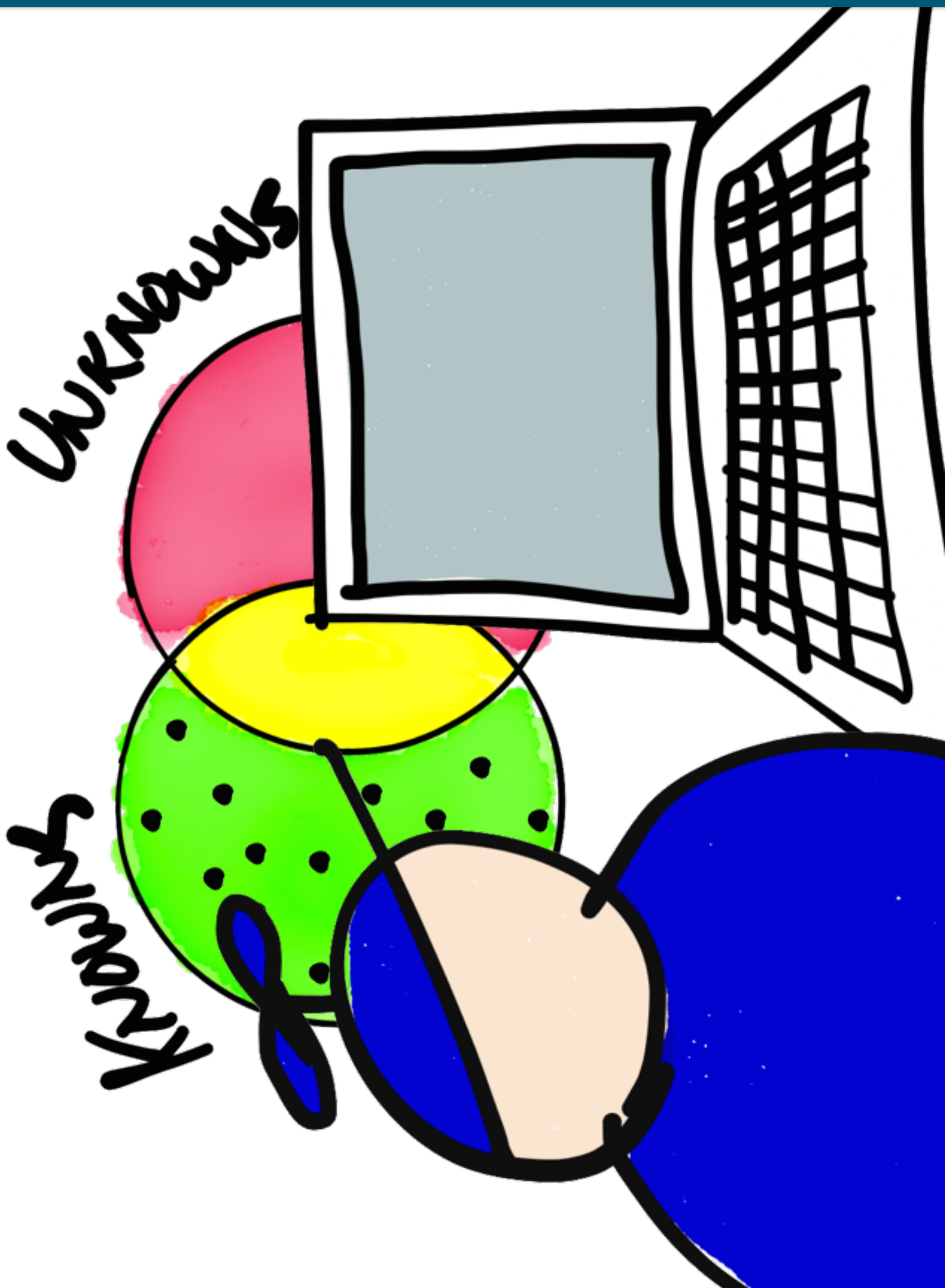
What do we know?



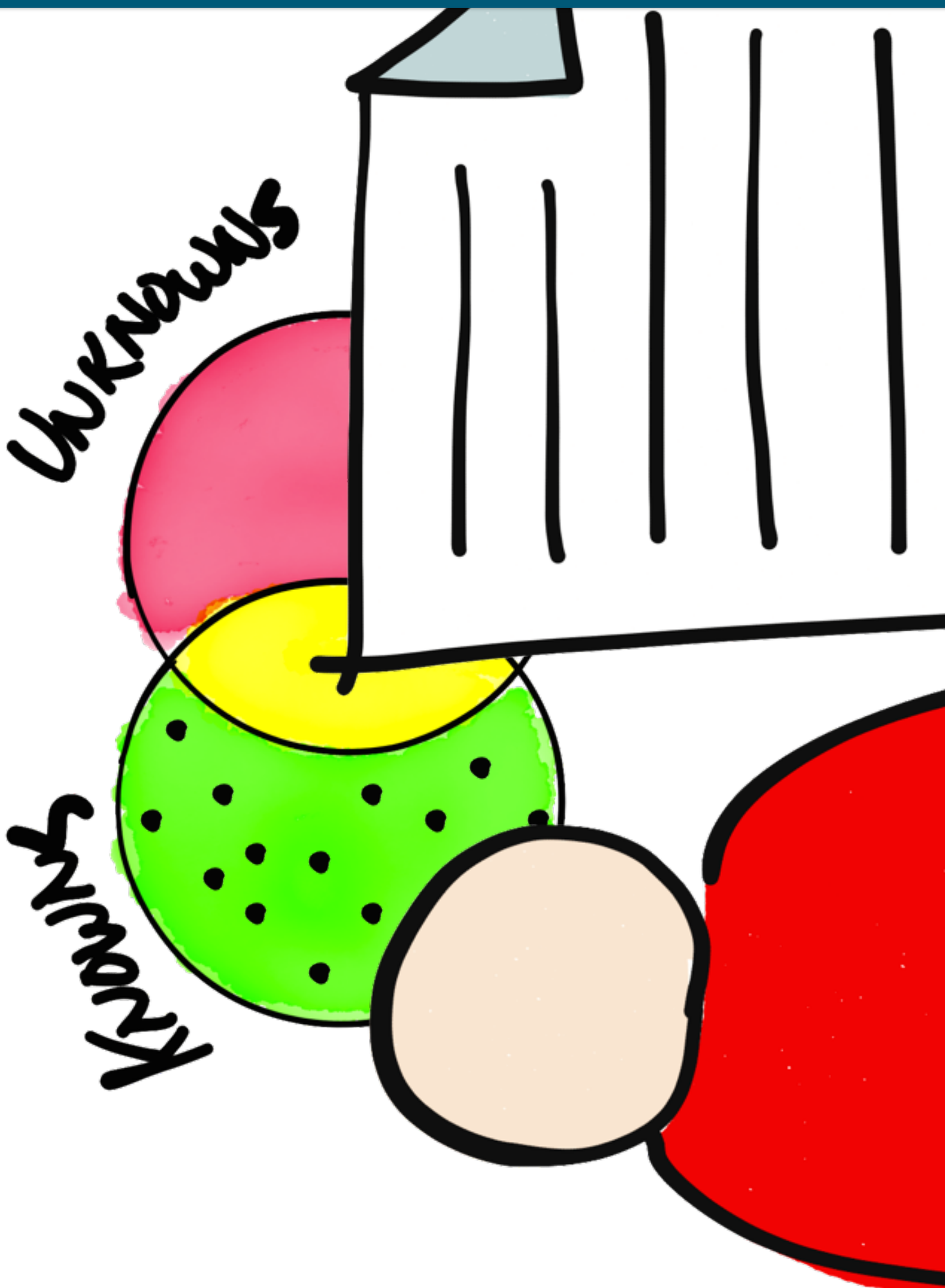
Automation is key



Automation is key



What do we know?



Questions?

Sharing Is Caring

Fill out the information on the sign-up forms at your tables if you want a more shareable version of this presentation or email me at bcarlso@leantechniques.co

Presentations these days are full of pictures and not any words. That's great for when you're at the conference taking in the information in person, but they just don't translate when you come back and explain it to your team.

That's why we've created s shareable version of this presentation, it contains all of the content from the live presentation, but in a more digestible format for taking offline and reviewing and sharing with your colleagues. All you've got to do is go to the link shown above and sign up. Once you've signed up, you'll receive the sharable version and any updates we make to the presentation moving forward.

Thanks for attending and let me know how you've leveraged data exhaust to improve your overall software delivery performance.

Thanks!

Brandon

coaching@leantechniques.co

great_products@leantechniques.co

staffing@leantechniques.co

Coaching

Staffing

Product Development

Contact Us