



# Learning to Learn

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# THE BASIC QUESTIONS

## **WHY THIS TALK EXISTS?**

- **We get asked this a lot**
- **Universal issue**
- **As developers, we never stop learning**

## **WHY WE LEARN?**

- **Internal (challenge, wish to improve...)**
- **External (team, client...)**
- **The hype**

## **HOW WE LEARN?**

- **Answer from science**
- **Answer from personal experience**
- **Answer through resources**



**SCIENCE!**

## **ANDRAGOGY**

- **Adult learning theory (theories)**
- **Andragogy vs. Pedagogy (spectrum, really)**
- **Founded on six assumptions**

## **HOW ADULTS LEARN**

- **Need to understand why (reason for learning)**



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## **FOUNDED ON EXPERIENCE**

- **Learn the basics first (e.g. vanilla JS or CSS)**
- **Compare and contrast, see patterns**
- **Do the same thing over and over again**



## **STRUCTURING OWN EDUCATION**

- **Scale up the difficulty at your own pace**
- **Improve and iterate**
- **You don't need to understand everything at once**
- **Compatible with mentoring! (Find one if you can)**

## **PRACTICAL**

- **Build something**
- **Break it into smaller problems as you go along**
- **Improve and iterate**

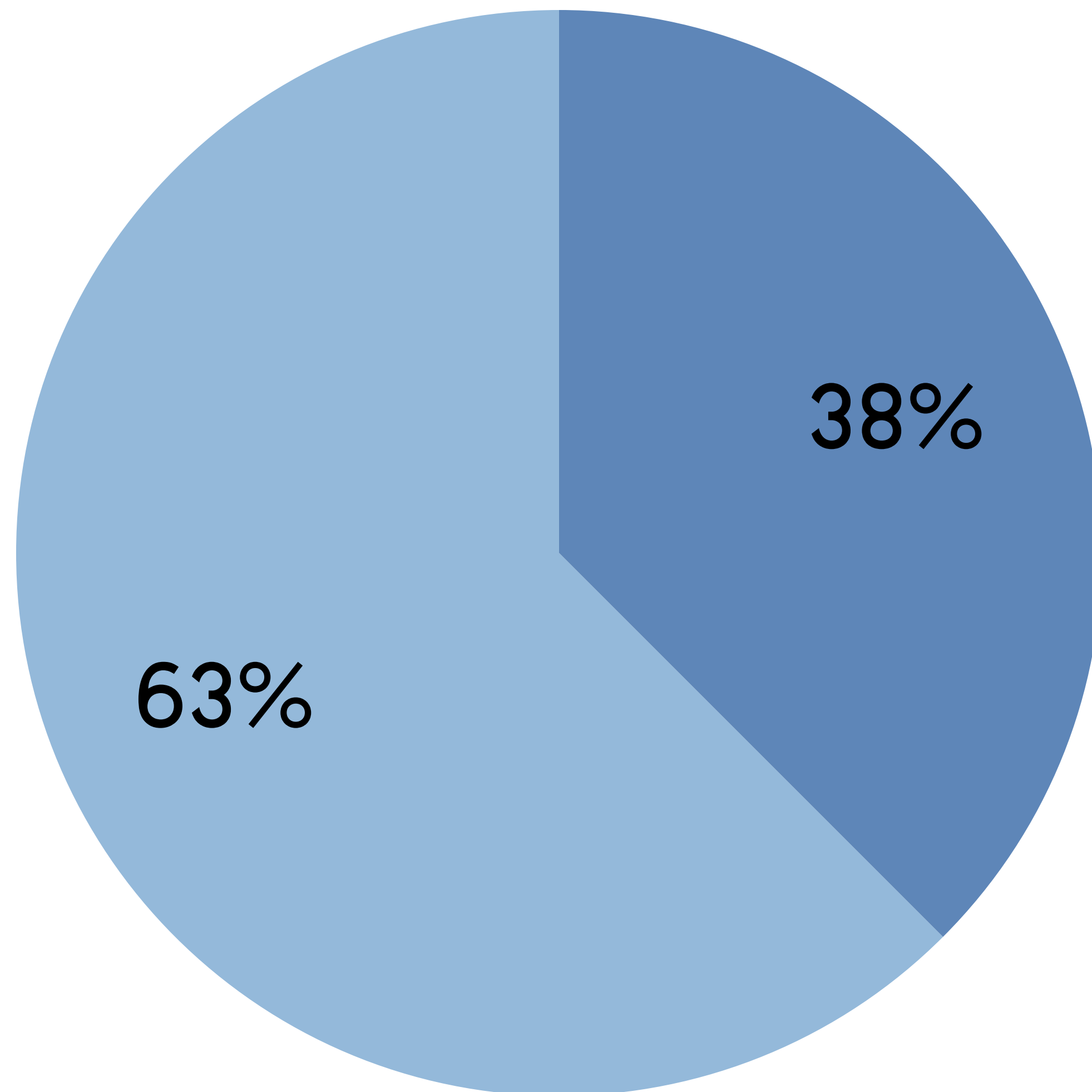


**PERSONAL EXPERIENCE**

## **IN SEARCH OF ANSWERS**

- **Polled 7 experienced devs**
- **Combined with own experience (+1)**

● Outside [3]    ● JS@Infinum [5]



## **THE COLLECTED DATA**

- **Varies, but can be grouped in several categories:**
  - **Readers**
  - **Doers**
- **As always, a spectrum**

## **READERS**

- **Going through the docs or best practices**
- **Only then getting your hands dirty on a pet project**
- **Understand before using**

## **DOERS\***

- Just an idea, or maybe a similar repo
- Iterate, investigate when needed, improve
- MVP as the end goal
- Use to understand



## **CONCLUSION**

- **It depends!**
- **Both largely based on practical work**
- **Starting is different**



**RESOURCES**

## **FINDING THE BEST RESOURCES**

- **Same approach – polling for data**
- **Looked for general answers**

## THE BASICS ARE ALWAYS GOOD

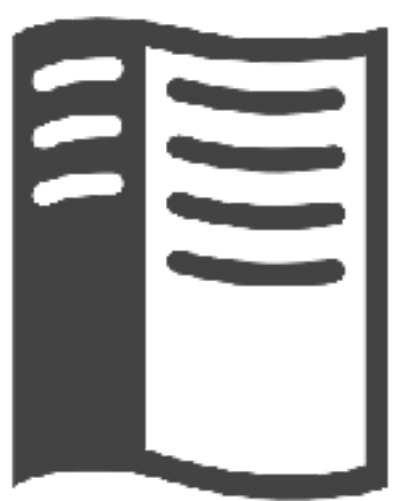
- MDN
- MSDN
- StackOverflow

## THE BASICS ARE ALWAYS GOOD

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SODD



## **LET'S AGGREGATE**

**Responses can be grouped into:**

- **(Official) Documentation**
- **Tutorials and guides**
- **Real-world code samples**

# **HOW TO READ THE DOCS?**

**(A STEP-BY-STEP GUIDE)**

- 1. If sizeable, start with the basics**
- 2. Come back with concrete problems**
- 3. When feeling comfortable, get back and master it**

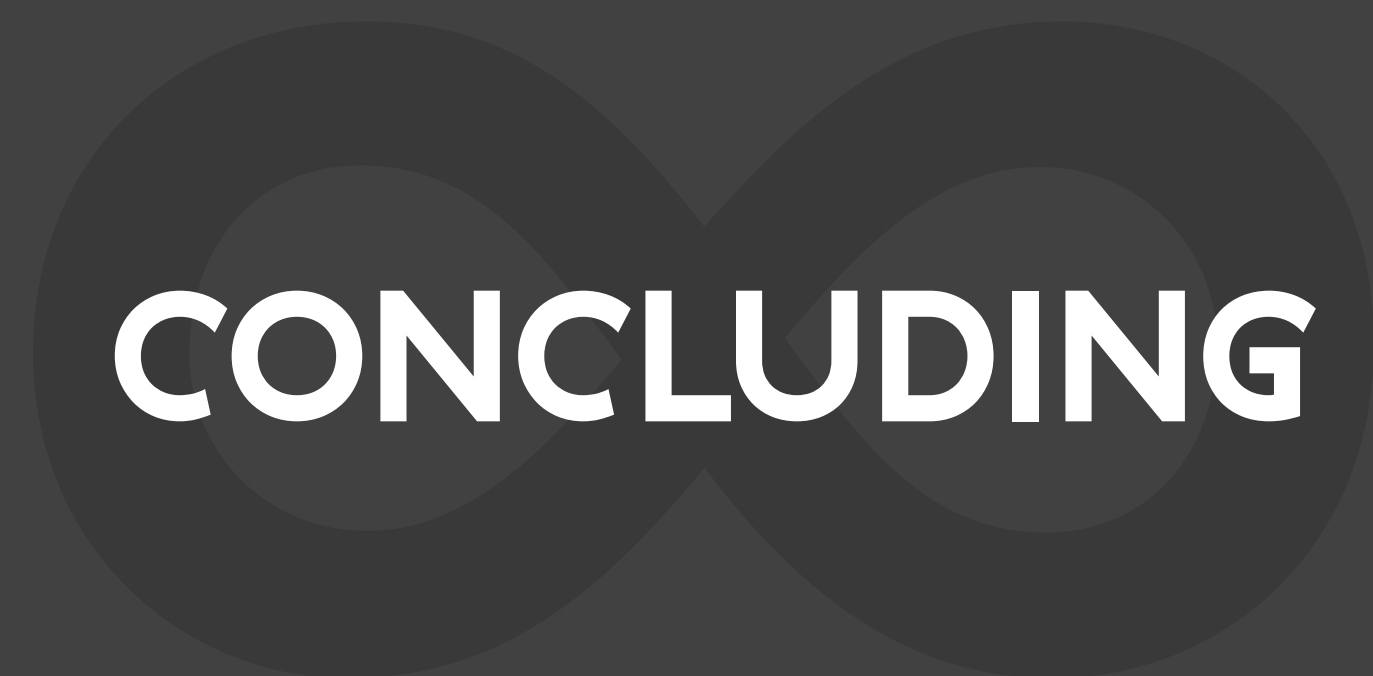


## **BEST PRACTICES**

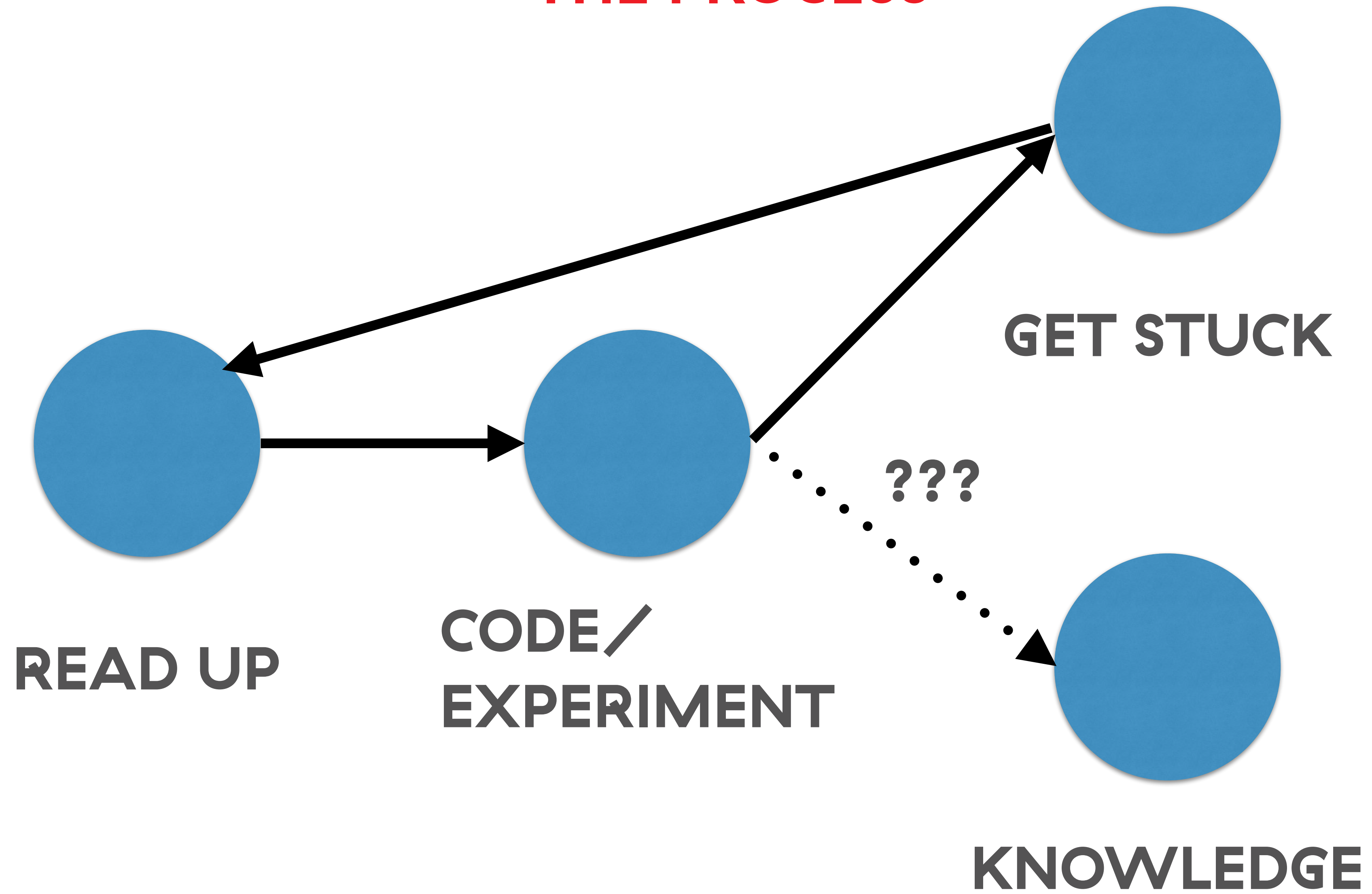
- **Agreeing on standards makes it easier**
- **Don't ignore them needlessly**
- **Not always ok, but have a good reason!**

## **BAD DOCS?**

- **Value official docs more than opinions**
- **Bad reputations exist for a reason  
(W3Schools?)**



# THE PROCESS



## CONCLUSIONS

- Master the basics
- Learn by doing (be practical)
- Initially solve familiar problems
- Start with whatever you'd like, improve from the docs
- Don't ignore the best practices



# Any questions?

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