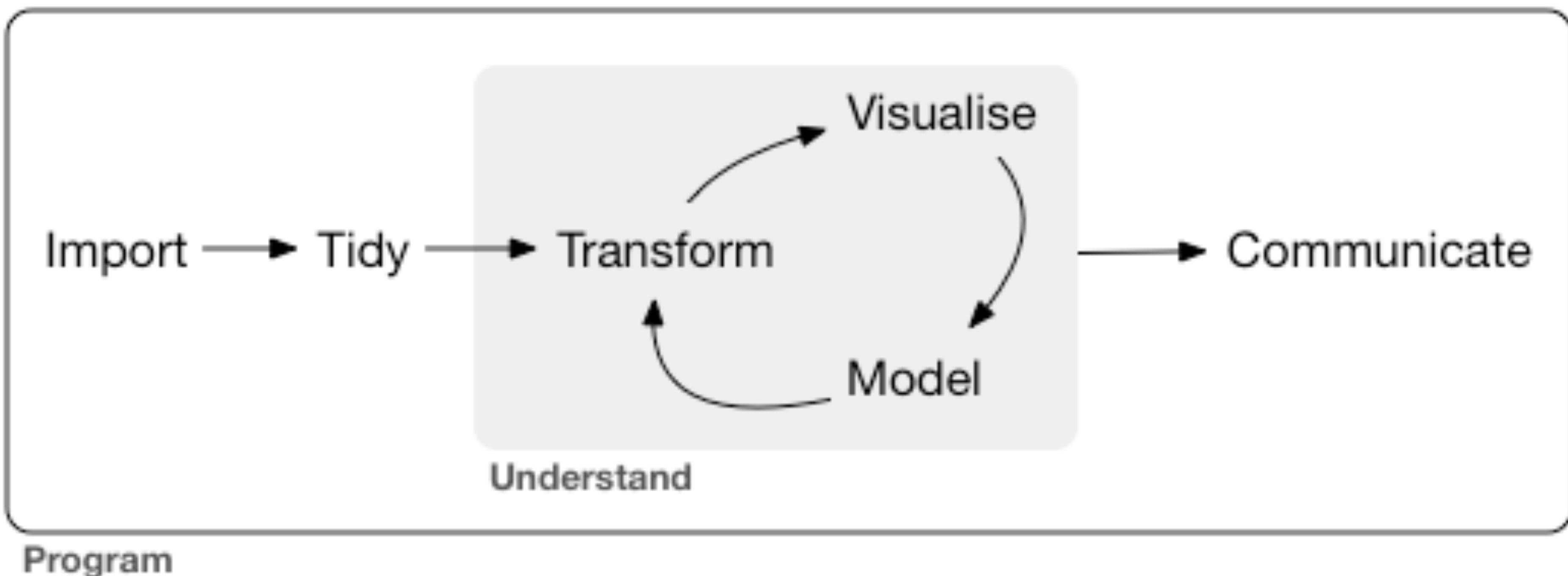


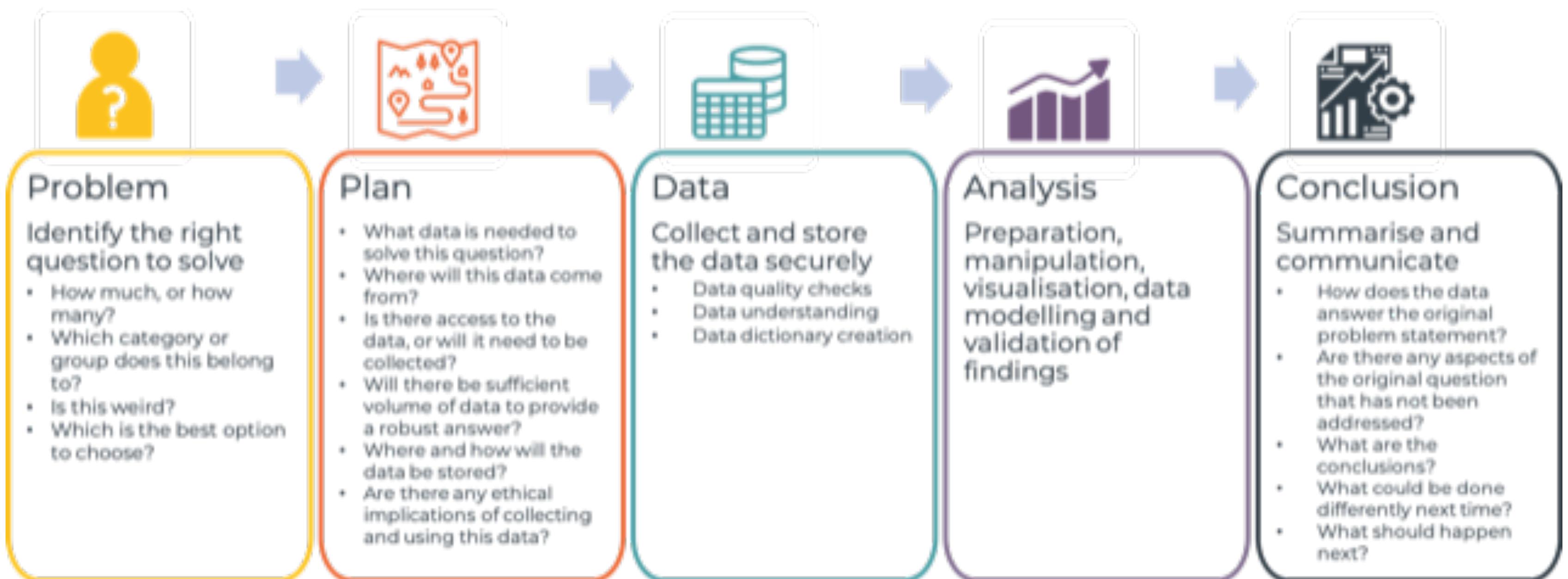
Documenting your work



Data science cycle

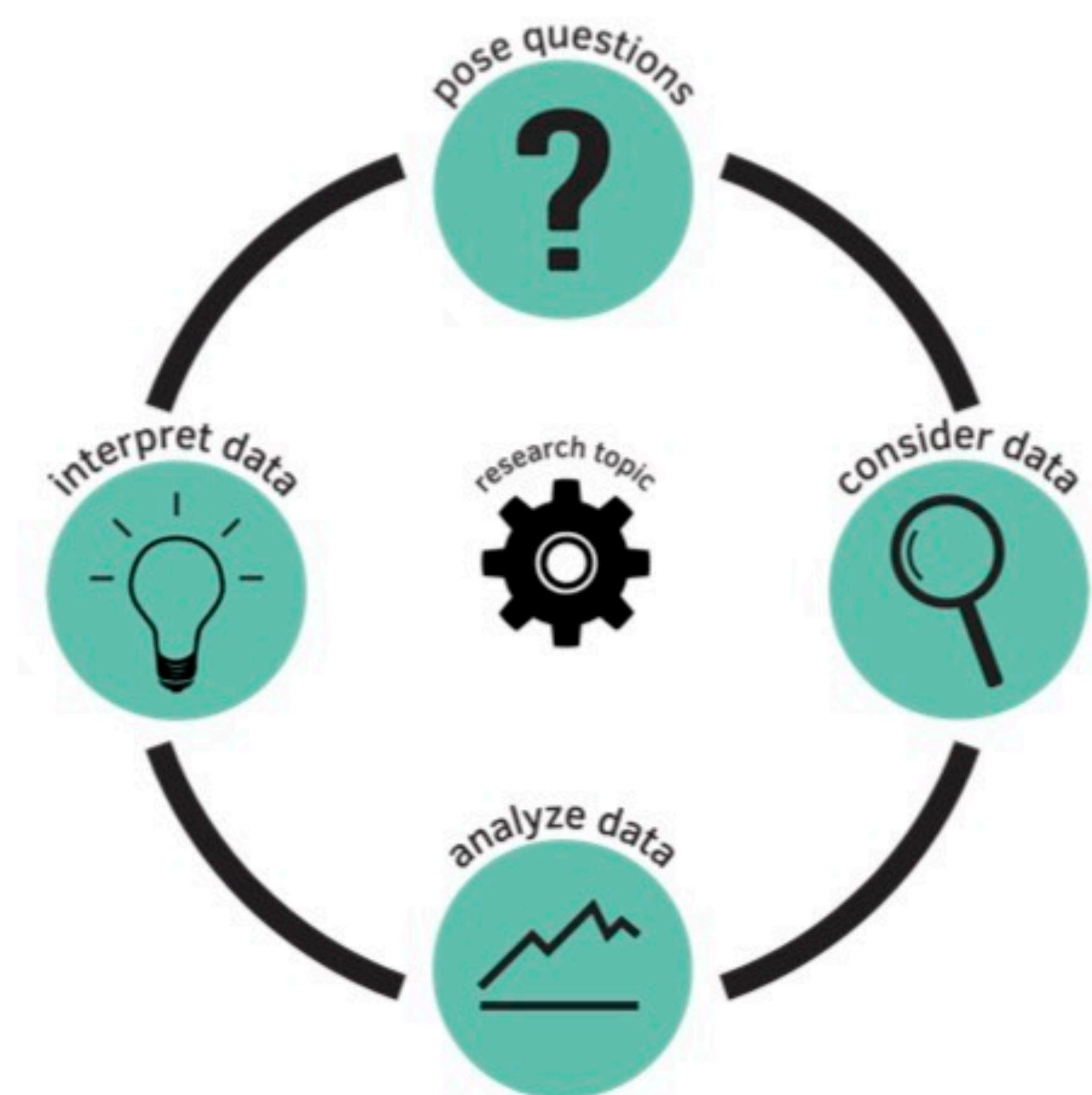


Data science cycle



Data science cycle

The Data Cycle



Introduction to Data Science curriculum

<https://www.introdatascience.org/introduction-to-data-science-curriculum>

X



David Robinson
@drob · [Follow](#)

When you've written the same code 3 times, write a function

When you've given the same in-person advice 3 times, write a blog post

8:22 PM · Nov 8, 2017



3.9K



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Advice to aspiring data scientists: Start a blog. David Robinson <http://varianceexplained.org/r/start-blog/>
<https://twitter.com/drob/status/928447584712253440>

Advice to aspiring data scientist X +

varianceexplained.org/r/start-blog/ 103 MB

Practice analyzing data and communicating about it

If you're hoping to be a data scientist, you're (presumably) not one yet. *A blog is your chance to practice the relevant skills.*

- **Data cleaning:** One of the benefits of working with a variety of datasets is that you learn to take data "as it comes", whether it's in the form of a [supplementary file from a journal article](#) or a [movie script](#)
- **Statistics:** Working with unfamiliar data lets you put statistical methods into practice, and writing posts that communicate and teach concepts helps build your own understanding
- **Machine learning:** There's a big difference between having used a predictive algorithm once and having used it on a variety of problems, while understanding why you'd choose one over another
- **Visualization:** Having an audience for your graphs encourages you to start polishing them and building your personal style
- **Communication:** You gain experience writing and get practice structuring a data-driven argument. This is probably the most relevant skill that blogging develops since it's hard to practice elsewhere, and it's an essential part of any data science career

I can't emphasize enough how important this kind of practice is. No matter how many Coursera, DataCamp or bootcamp courses you've taken, you still need experience applying those tools to real problems. This isn't unique to data science: whatever you currently do professionally, I'm sure you're better at it now than when you finished taking classes in it.



ML Hipster
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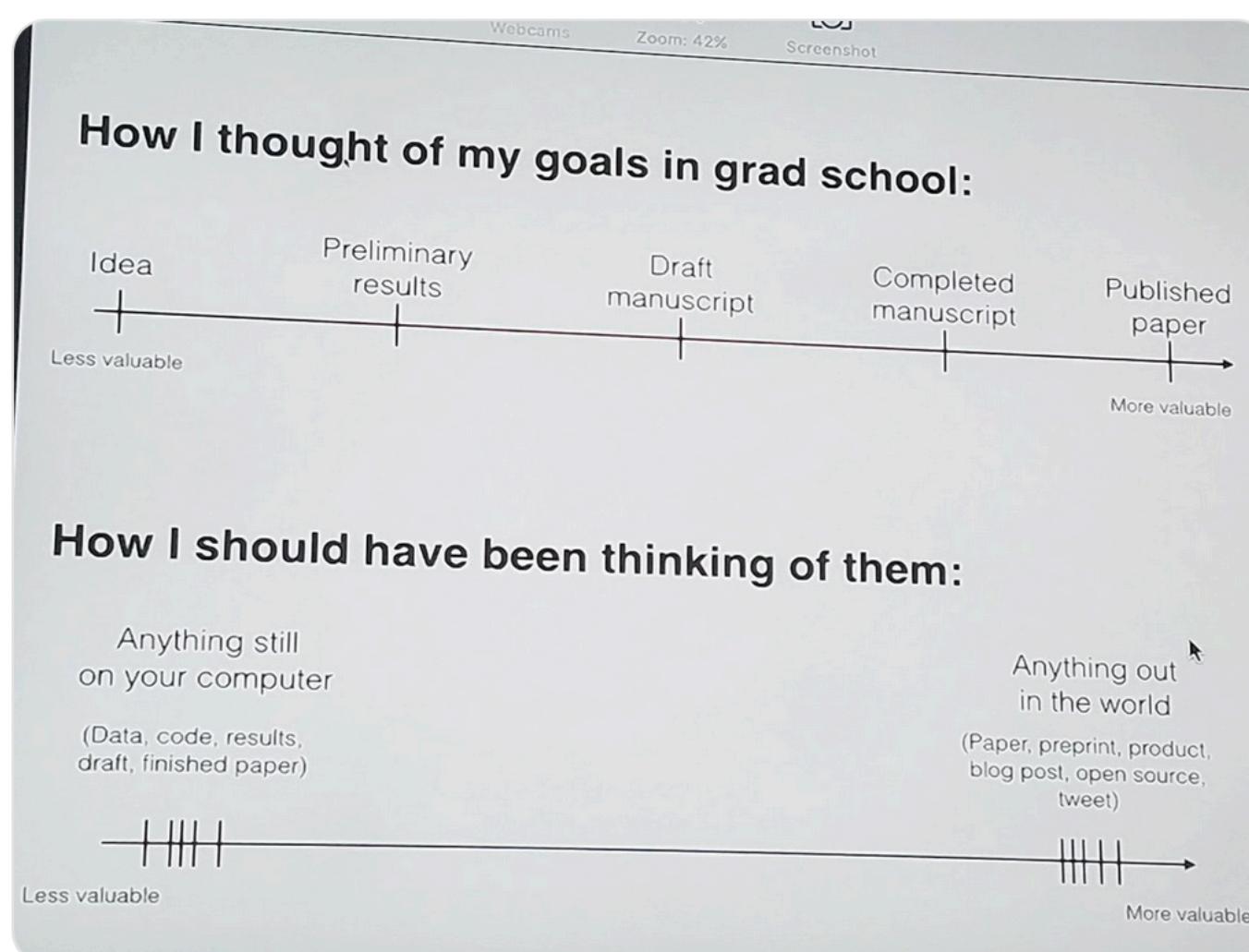
X

... and that concludes Machine Learning 101. Now, go forth and apply what you've learned to real data!

Advice to aspiring data scientists: Start a blog. David Robinson <http://varianceexplained.org/r/start-blog/>
<https://twitter.com/drob/status/928447584712253440>



Amelia is @amelia@vis.social on Mastodon @AmeliaMN · Nov 3, 2017
"Things that are still on your computer are approximately useless." -@drob
#eUSR #eUSR2017 <https://t.co/nS3IBiRHBN>



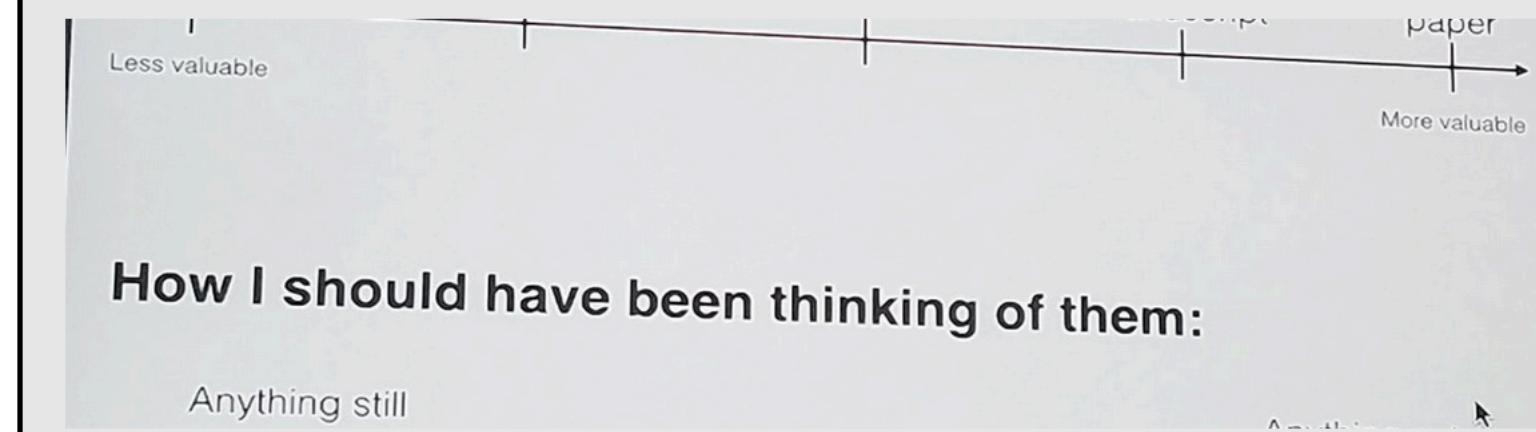
327 856 1

ID 926509282874585089

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"Things that are still on your computer are approximately useless." -@drob #eUSR #eUSR2017



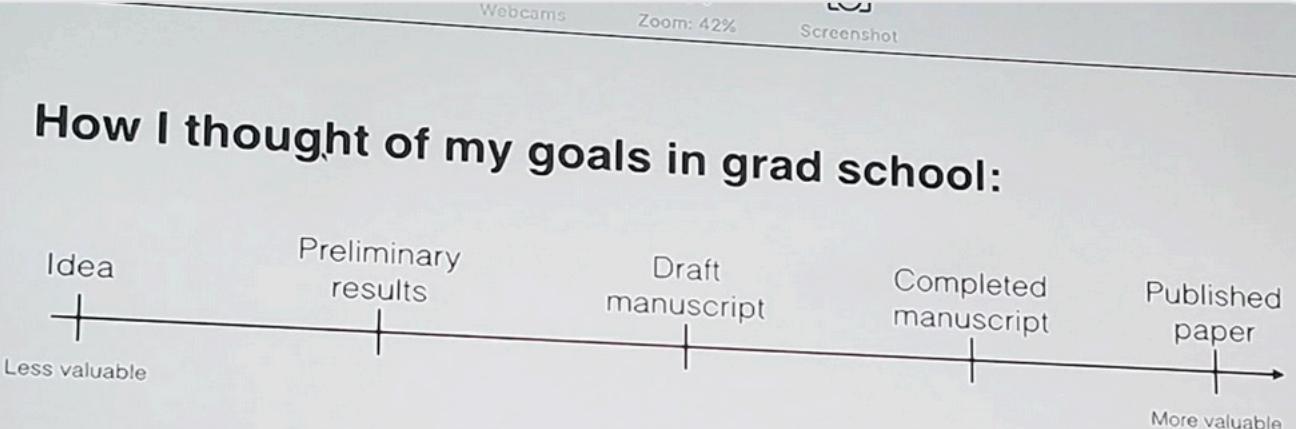
11/3/2017, 1:00:01 PM

Favs: 871 Retweets: 329 [link](#)

 **Amelia is @amelia@vis.social on Mastodon** @AmeliaMN · Nov 3, 2017
"Things that are still on your computer are approximately useless." -@drob ↗
#eUSR ↗ #eUSR2017 ↗ <https://t.co/nS3IBiRHBn> ↗

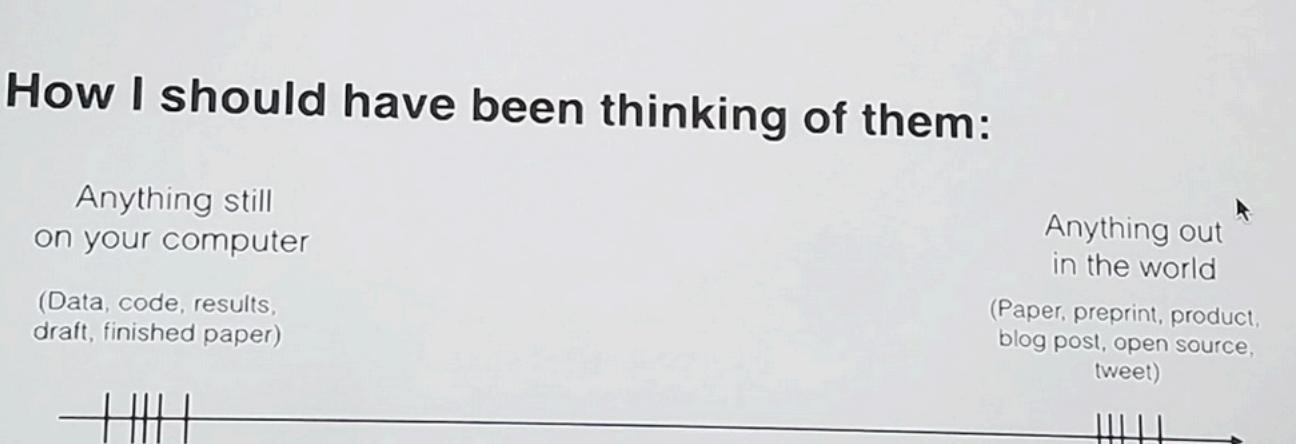
Webcams Zoom: 42% Screenshot

How I thought of my goals in grad school:



Idea + Preliminary results Draft manuscript Completed manuscript Published paper
Less valuable More valuable

How I should have been thinking of them:



Anything still on your computer (Data, code, results, draft, finished paper)
Anything out in the world (Paper, preprint, product, blog post, open source, tweet)
Less valuable More valuable

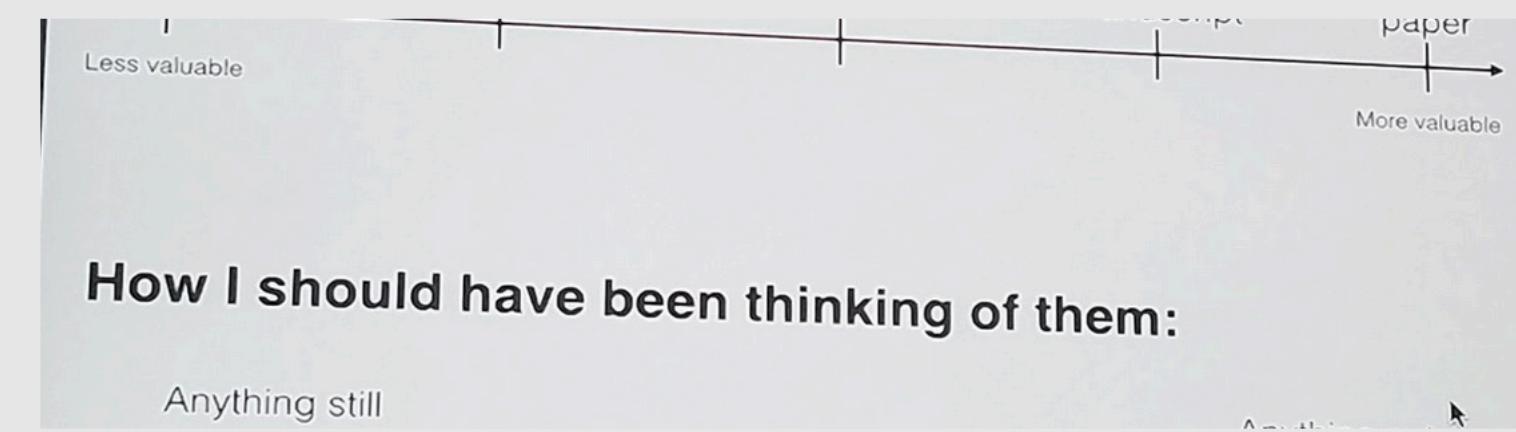
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ID 926509282874585089

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"Things that are still on your computer are approximately useless." -@drob #eUSR #eUSR2017



How I should have been thinking of them:

11/3/2017, 1:00:01 PM

Favs: 871 Retweets: 329 [link](#)

Amelia is @amelia@vis.social on Mastodon
@AmeliaMN

The popularity of this tweet makes me laugh, because it's an illustrative example! I thought about trying to get a screenshot of David's slide, but just took a terrible phone photo of a webinar and tweeted with the quote.

7/22/2018, 10:42:03 AM

Favs: 11 Retweets: 1 [link](#)

I'm going to show you two ways to get things off your computer

- ArcGIS StoryMaps
 - No code
 - Free (for Tulane people)
 - Works well for maps
 - Also works well for non-maps
- GitHub pages
 - Low code (the way we're going to do it)
 - Free (plus more freebies for educators)
 - Works well for code-based projects
 - Also works for non-code-based projects