### More than code: Professional Assets in Data Science Careers



Kate Hertweck, PhD
Bioinformatics Training Manager, Fred Hutch

# What else is there to data science besides data and science?



# By the end of this workshop, you should be able to:

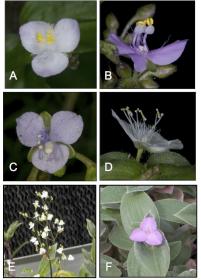
- Categorize types of professional assets
- Identify your current assets
- Target your areas for improvement
- Brainstorm ways to develop these assets

Time, space, and community to explore.





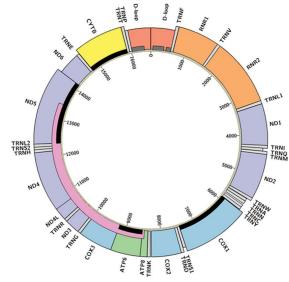




Hertweck and Pires, 2014



By André Karwath aka Aka -Own work, CC BY-SA 2.5



Hertweck and Dasgupta, 2017



# We build community to share knowledge and accelerate research







#### what my friends think I do

#### what my family thinks I do

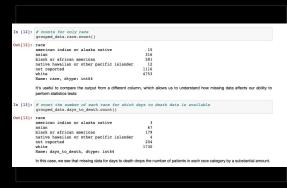
#### what society thinks I do







#### what I actually do as a data scientist



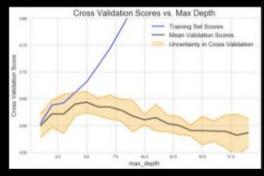




Image modified from here



Workshop website: bit.ly/prof-assets-ds

Verbal communication

Leadership

Written communication

**Teamwork** 

Conflict resolution

Visual design

Strategic thinking

Organization

Adaptability and versatility



#### Kate's example: public speaking



# What are three of your biggest professional assets that are not technical data science skills?

What do you enjoy or feel passionate about?

THINK on your own

**DISCUSS** with your breakout group

**SHARE** using Socrative (Room Name PAW5AYW)



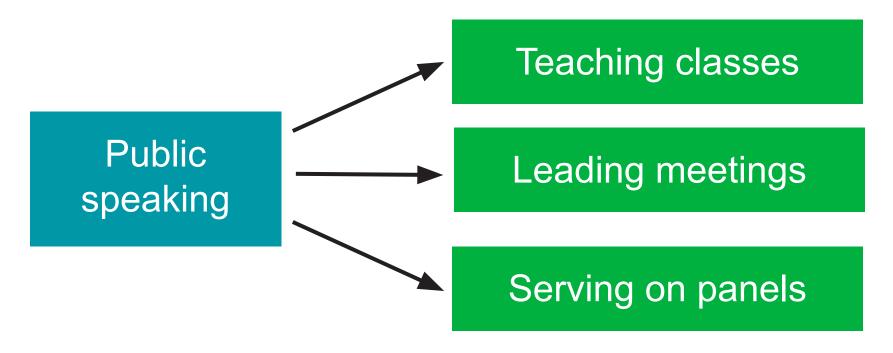
### Your assets map to specific tasks!

What do you enjoy doing?

What would you like to do?



### Kate's example: public speaking





# What three non-technical skills or attributes are you most interested in developing?

Transferring existing assets to professional settings, or developing new skills

THINK on your own

**DISCUSS** with your breakout group

**SHARE** using Socrative (Room Name PAW5AYW)



#### How do you develop these assets?

What are small steps along this path?

What groups would allow you to pursue these small steps?



#### Kate's example: demonstrating leadership



The leading inclusive community teaching computing and data skills.





### How are you planning to start developing your skills?

Opportunities in your existing role

Meetups, open source community, non-profit
groups

THINK on your own

**DISCUSS** with your breakout group

SHARE using Socrative (Room Name PAW5AYW)



# You don't have to wait for opportunities to come your way! You can seek out resources to help you reach your goals.

What suggestions do you have for this workshop? Socrative (Room Name PAW5AYW)





### Thank you!

Head to the General Stream during Lunch, Networking and Raffles!

