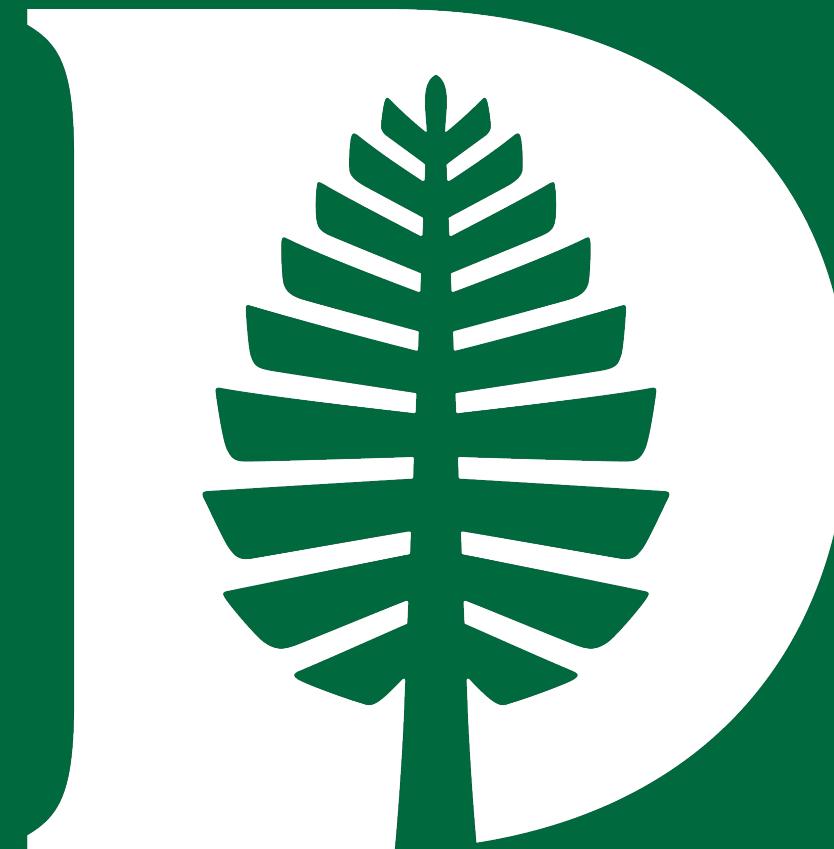


March 29, 2023

DARTMOUTH





# The Fibery Library Data meets Crafting

Samara Cary, Simon Stone, Stephen Krueger, Tara Custer

*Dartmouth Library*



## Before we begin, some notes:

- It's ok to opt out after today or at anytime during the project
- There will be scheduled meetings to work on these together
- Please ask us questions
- If you have ideas for future projects, let us know



# Makers' Meetup

- First meeting was March of 2022
- Crafting with library colleagues. How to involve the Library?
- Ideas were discussed:
  - creating group projects – using library data somehow
  - Invite guest speakers or have staff present their craft
- A lot of interest but nothing initiated in 2022



# Research Data Services

- In September 2022, a new department is established in the library
- Part of its mission:

Get the library and the campus excited about working with data!

A department that  
wants to promote  
creative and fun ways  
to use data



A group that wants to  
promote fun things to  
craft



# MEANWHILE, ON THE INTERNET:

← r/dataisbeautiful

years ago 2 5 15 4 21 16 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

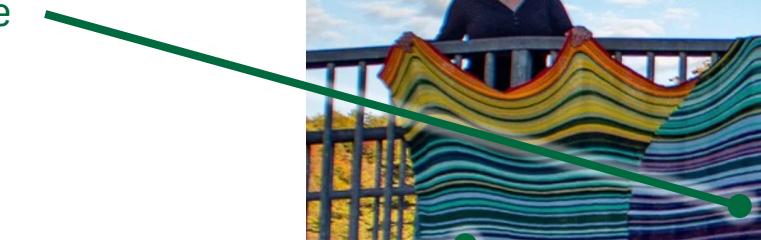
I finished my year long temperature blanket! [OC]

OC



[https://www.reddit.com/r/dataisbeautiful/comments/lxyfw/i\\_finished\\_my\\_year\\_long\\_temperature\\_blanket\\_oc/](https://www.reddit.com/r/dataisbeautiful/comments/lxyfw/i_finished_my_year_long_temperature_blanket_oc/)

Daily low temperature



Daily high temperature



Proportion day to night



September 21, 2019

September 20, 2020

Color to temperature (°F)

begonia	90-94
pomegranate	85-89
fiesta red	80-84
clementine	75-79
fox	70-74
crème brûlée	65-69
bumblebee	60-64
honeydew	55-59
jalapeno	50-54
douglas fir	45-49
mint	40-44
verdigris	35-39
kenai	30-34
dewdrop	25-29
blue	20-24
navy	15-19
lilac mist	10-14
mulberry	5-9
eggplant	0-4
white	<0

# MEANWHILE, ON THE INTERNET:

A collage of images illustrating various aspects of software development and libraries. It includes a person working at a computer, a stack of colorful books, a terminal window showing code, and a chart with a green line and dots. The overall theme is the intersection of traditional libraries and modern software engineering.

THE JOURNAL OF CLIMATE



The Fibery Library

DARTMOUTH

# That got us thinking...



(scene re-enacted)



# What we need

- Numerical data
- Sampled daily
- Changes in interesting patterns
- Meaningful to a large audience
- Collections data by subject? By floor? By library?
  - The number of items checked out each day!

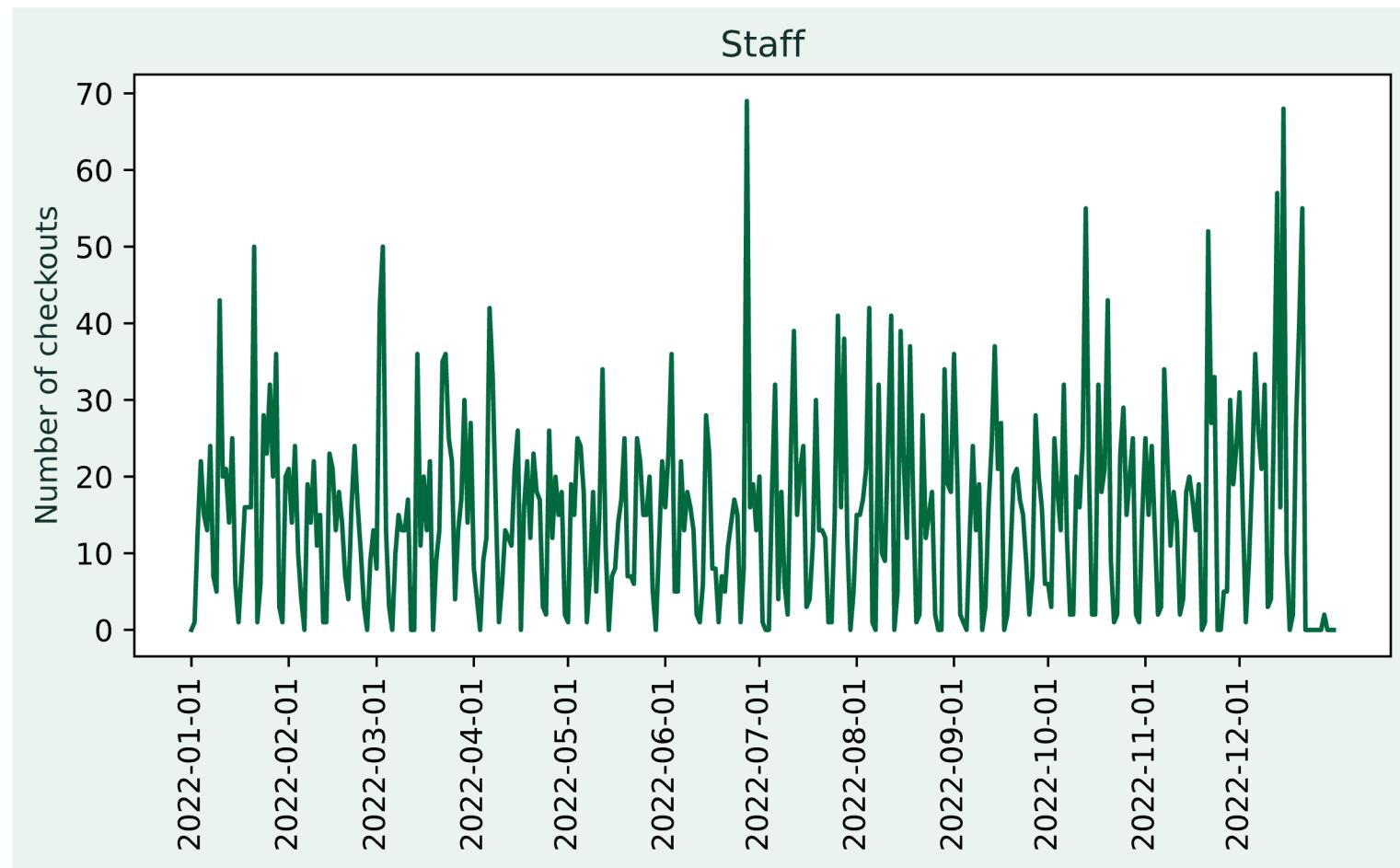




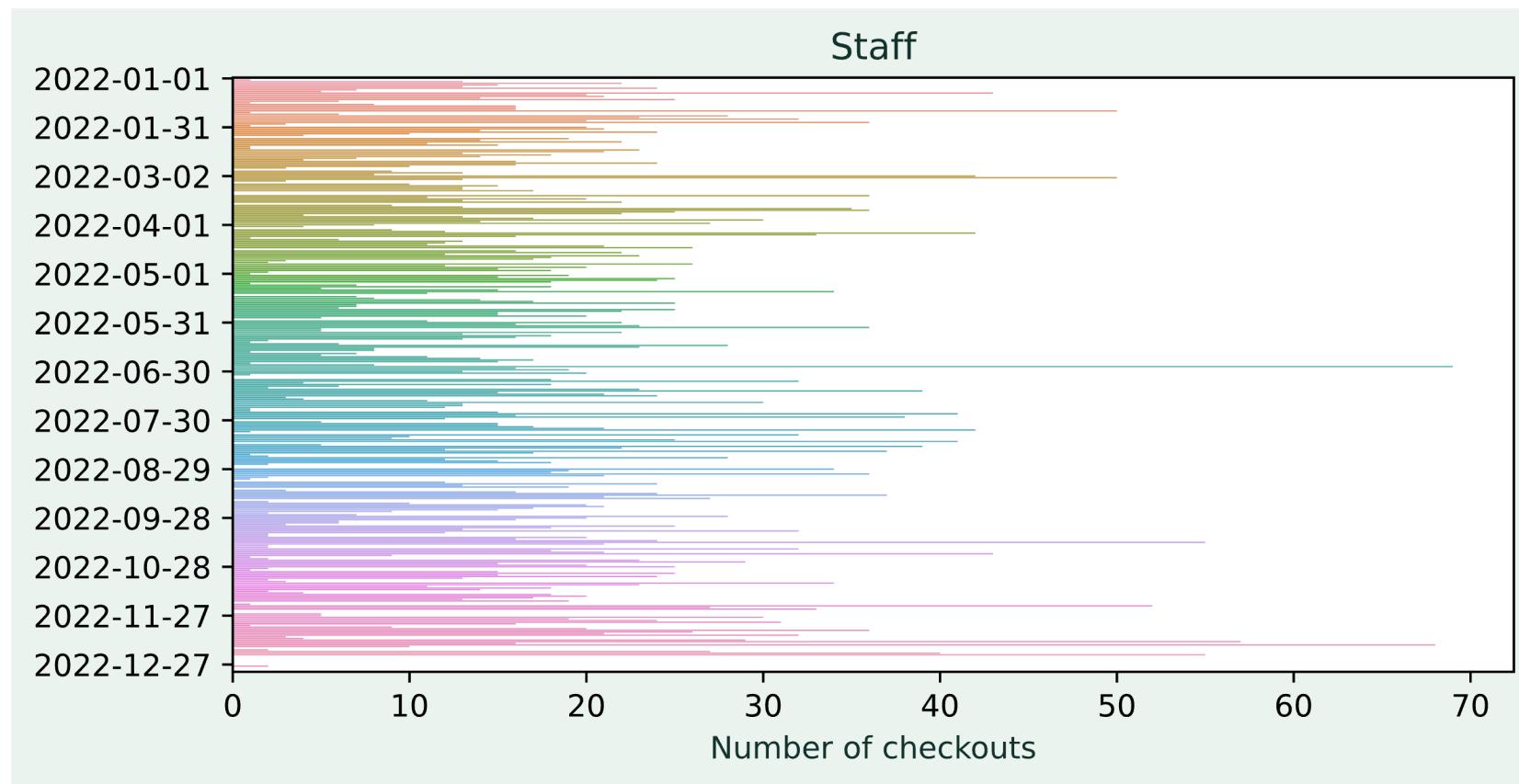
# The raw data (thank you Danada!)

	Alum	DHMC Staff	Faculty	Graduate	Guests	Interlibrary Loan	Sponsored	Staff	Undergraduate
2022-01-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022-01-02	0.0	0.0	12.0	5.0	1.0	0.0	0.0	1.0	4.0
2022-01-03	0.0	0.0	87.0	9.0	0.0	128.0	0.0	13.0	79.0
2022-01-04	0.0	0.0	116.0	26.0	0.0	239.0	0.0	22.0	83.0
2022-01-05	0.0	4.0	46.0	20.0	0.0	79.0	0.0	15.0	117.0
...	...	...	...	...	...	...	...	...	...
2022-12-27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022-12-28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
2022-12-29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022-12-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022-12-31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

# A basic line plot of the staff's checkouts

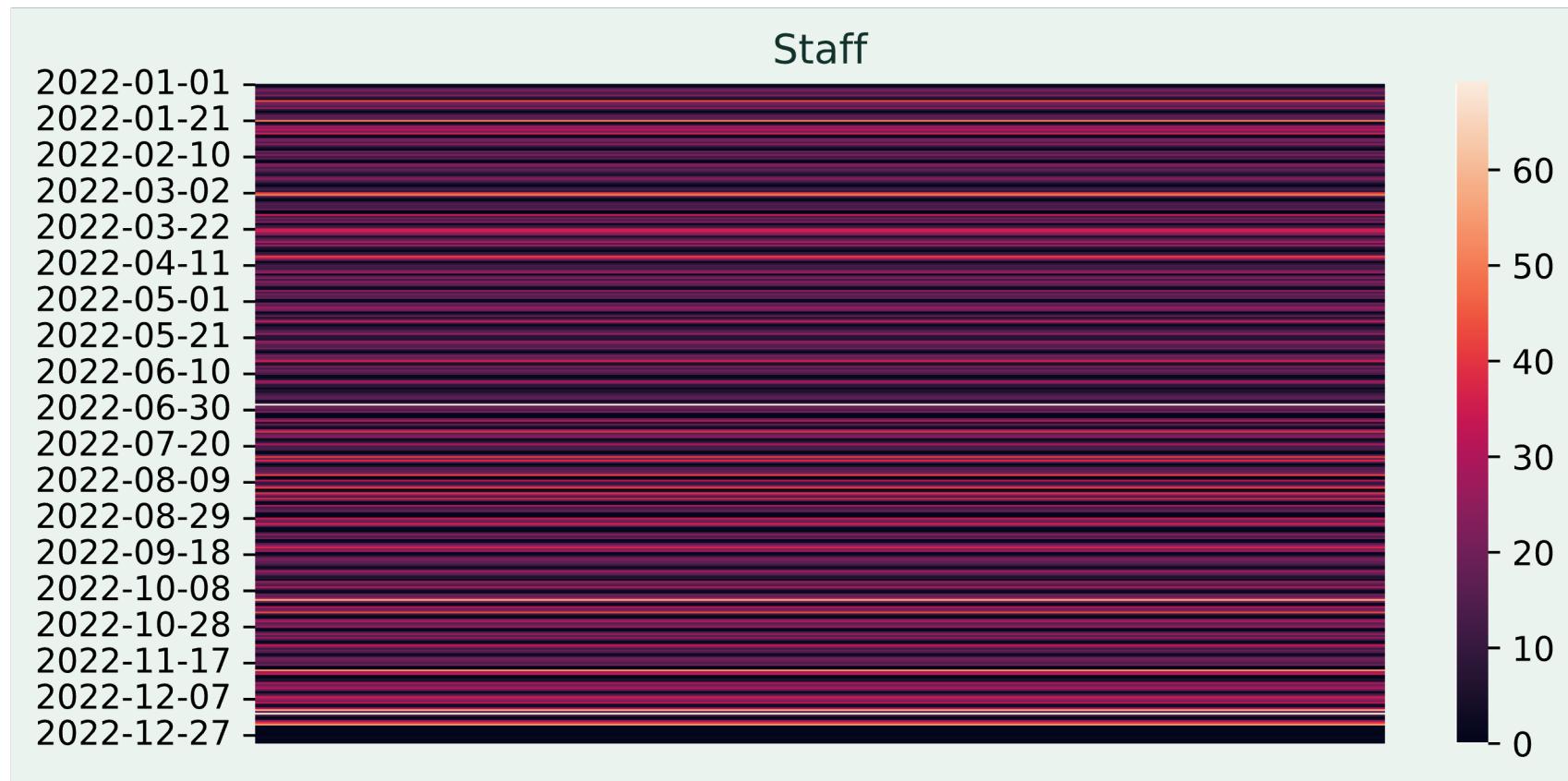


# A slightly less boring bar chart



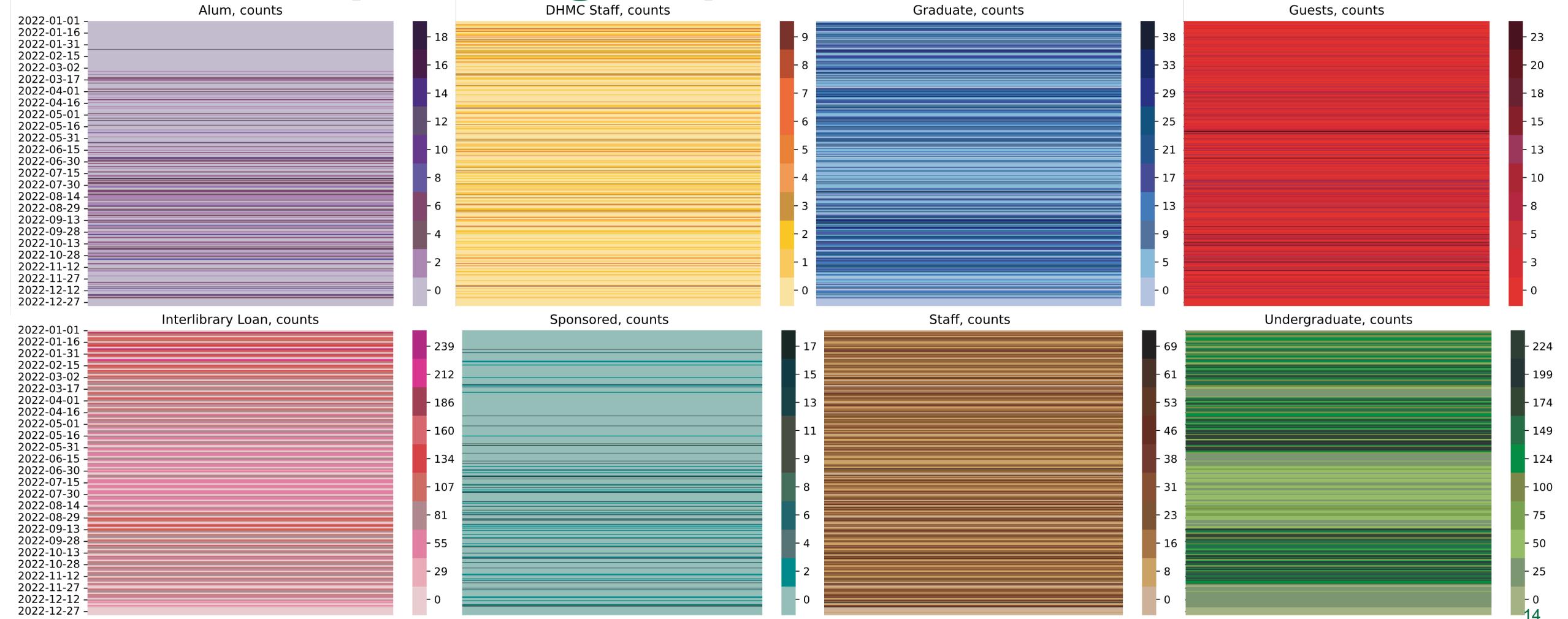


# High number of checkouts is a "hot" day



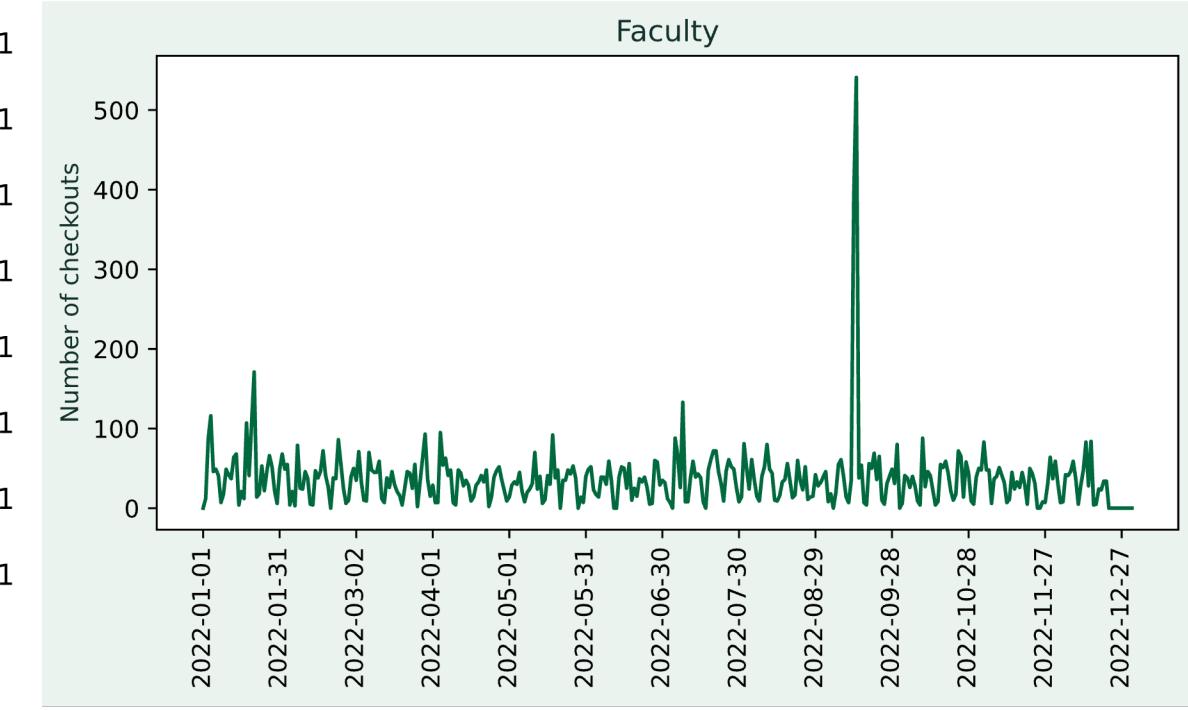
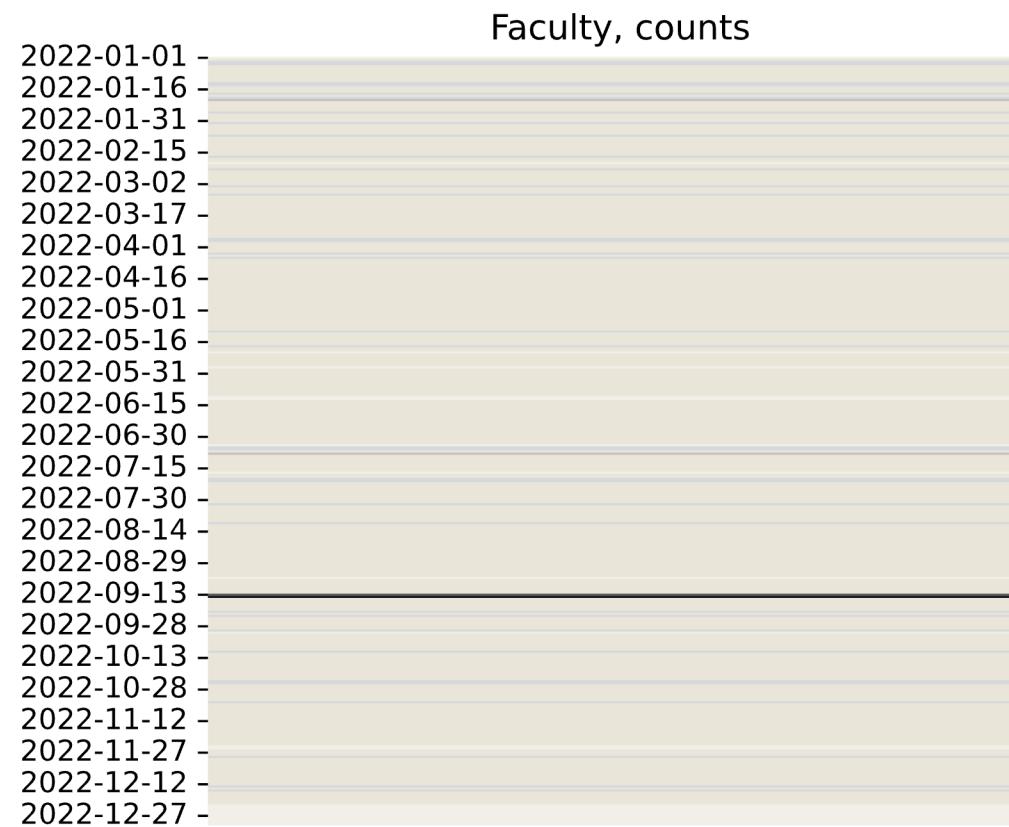


# Give each patron group their own color scheme



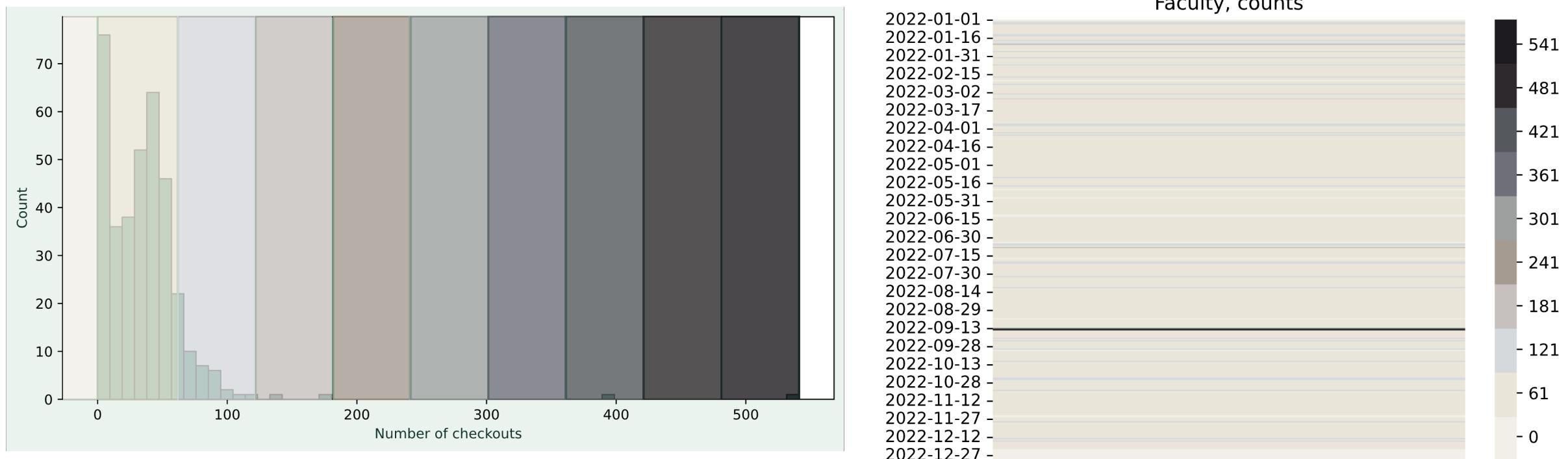


# Wait, this one is boring...



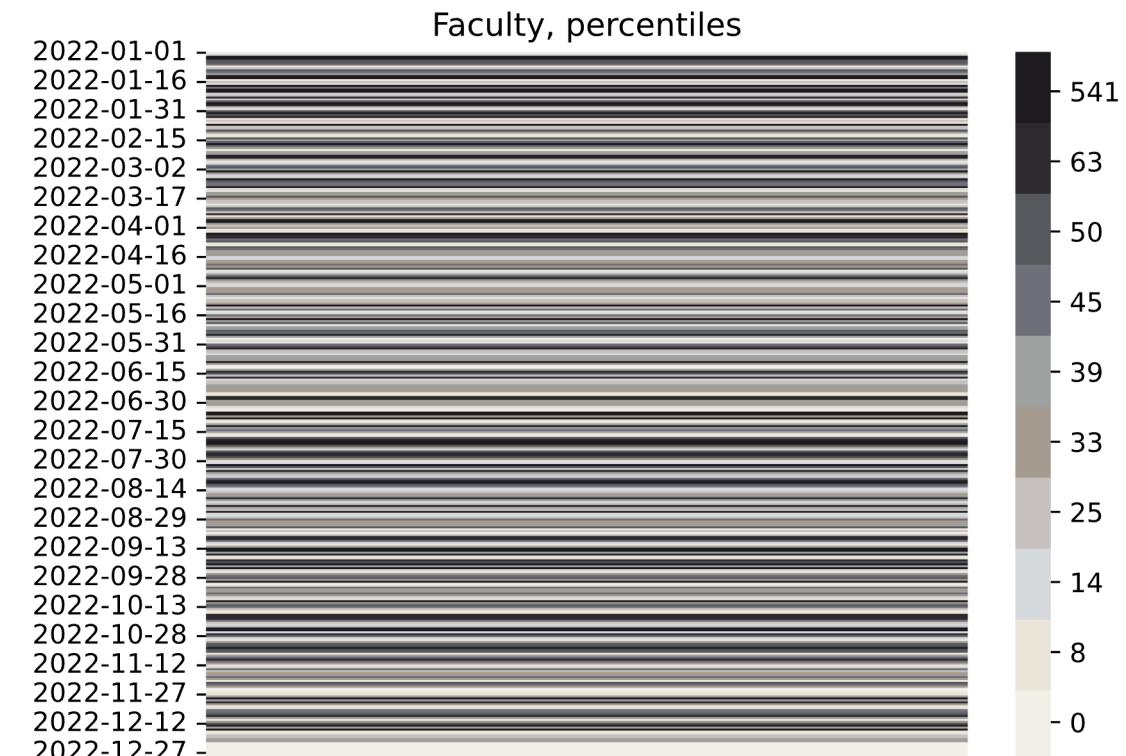
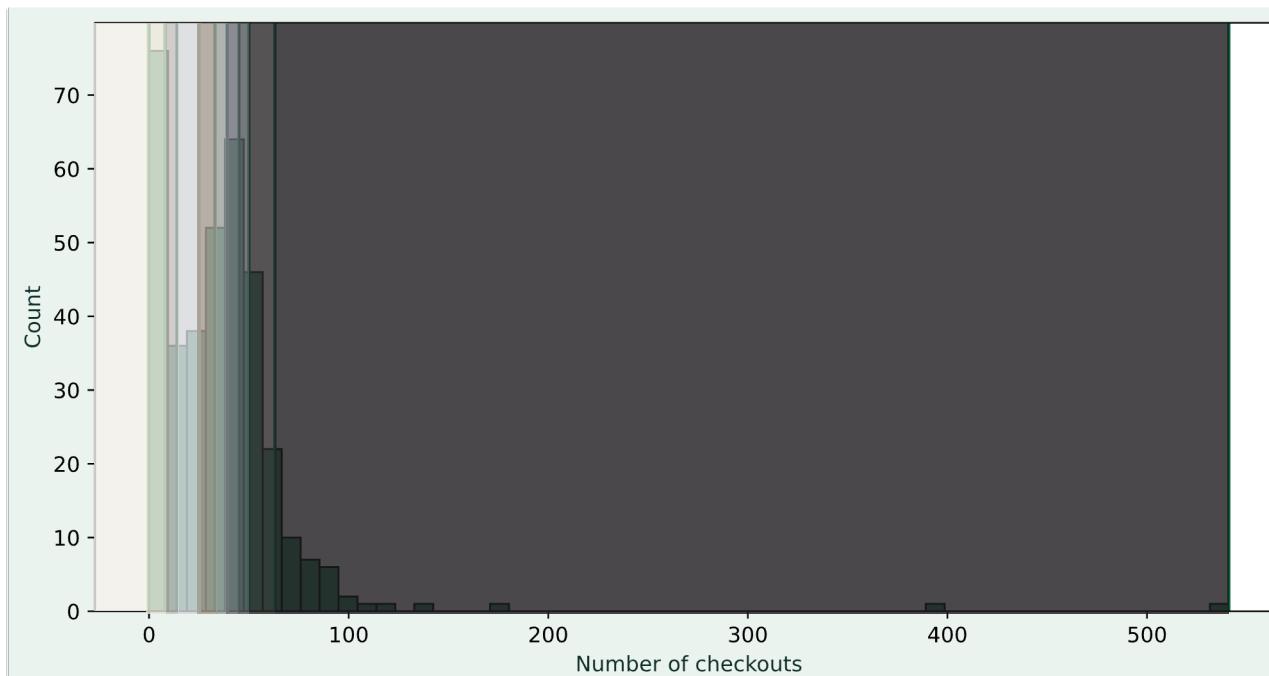


# Mapping the number of checkouts to a color



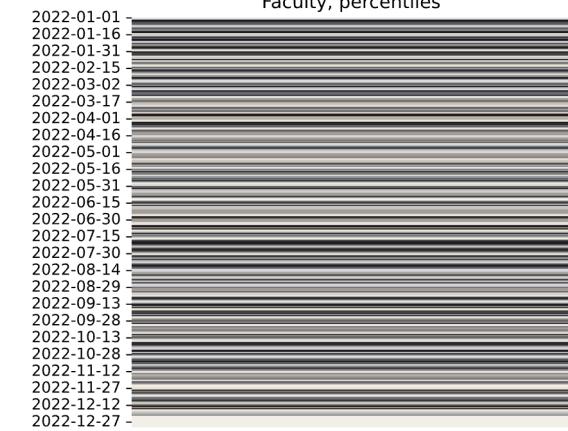
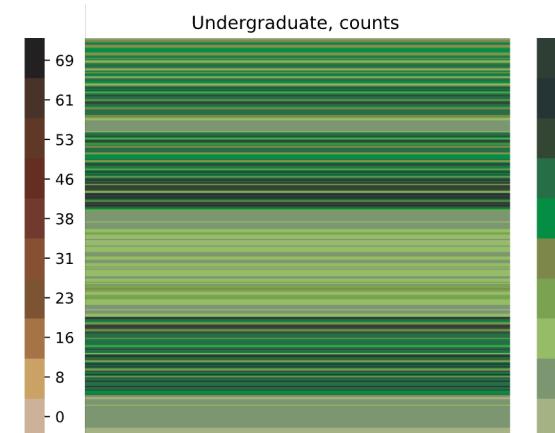
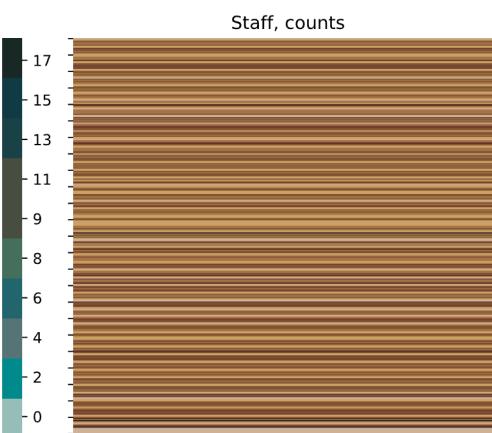
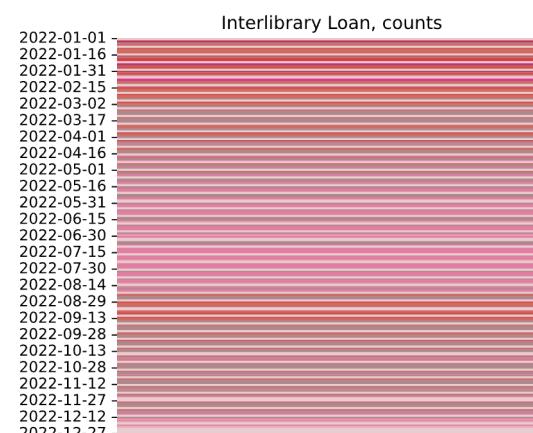
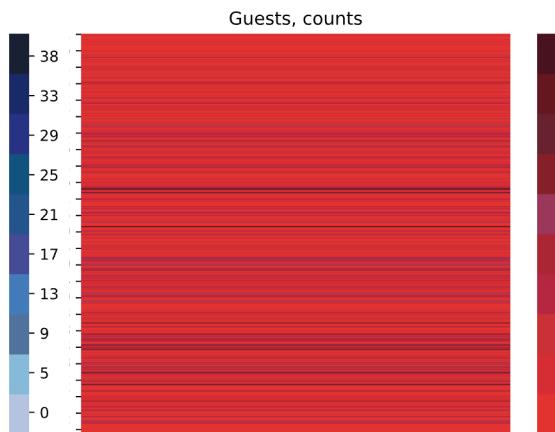
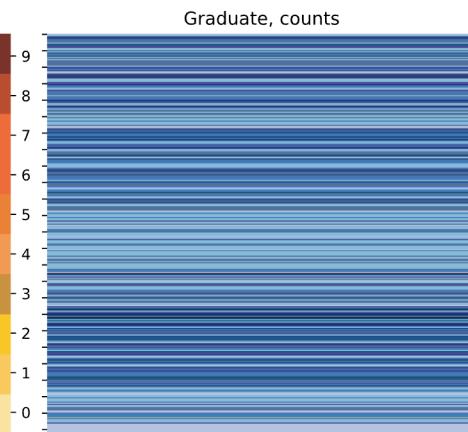
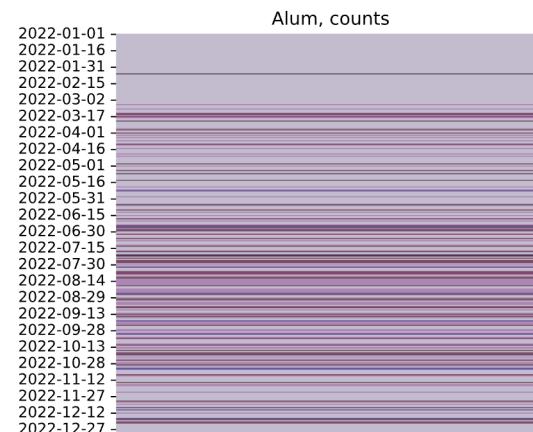


# Mapping the number of checkouts to a color





# The whole set





# What we've done

- Made swatches
- Created patterns for knit and crochet
- Ordered yarn
- Made kits - yarn, pattern, postcard





# What you need to do

- Select your user group
- Pick up your kit or tell us where to mail it
- Supply tools or let us know if you need them
- Create – when work allows and during scheduled meetups



# Outcomes and Future Projects

- Omeka Website
- Display in Berry
- Future craft data projects



# Thank you