

# Generative Art

Sarah Kay Miller

insta: [@thesarahkay](#)

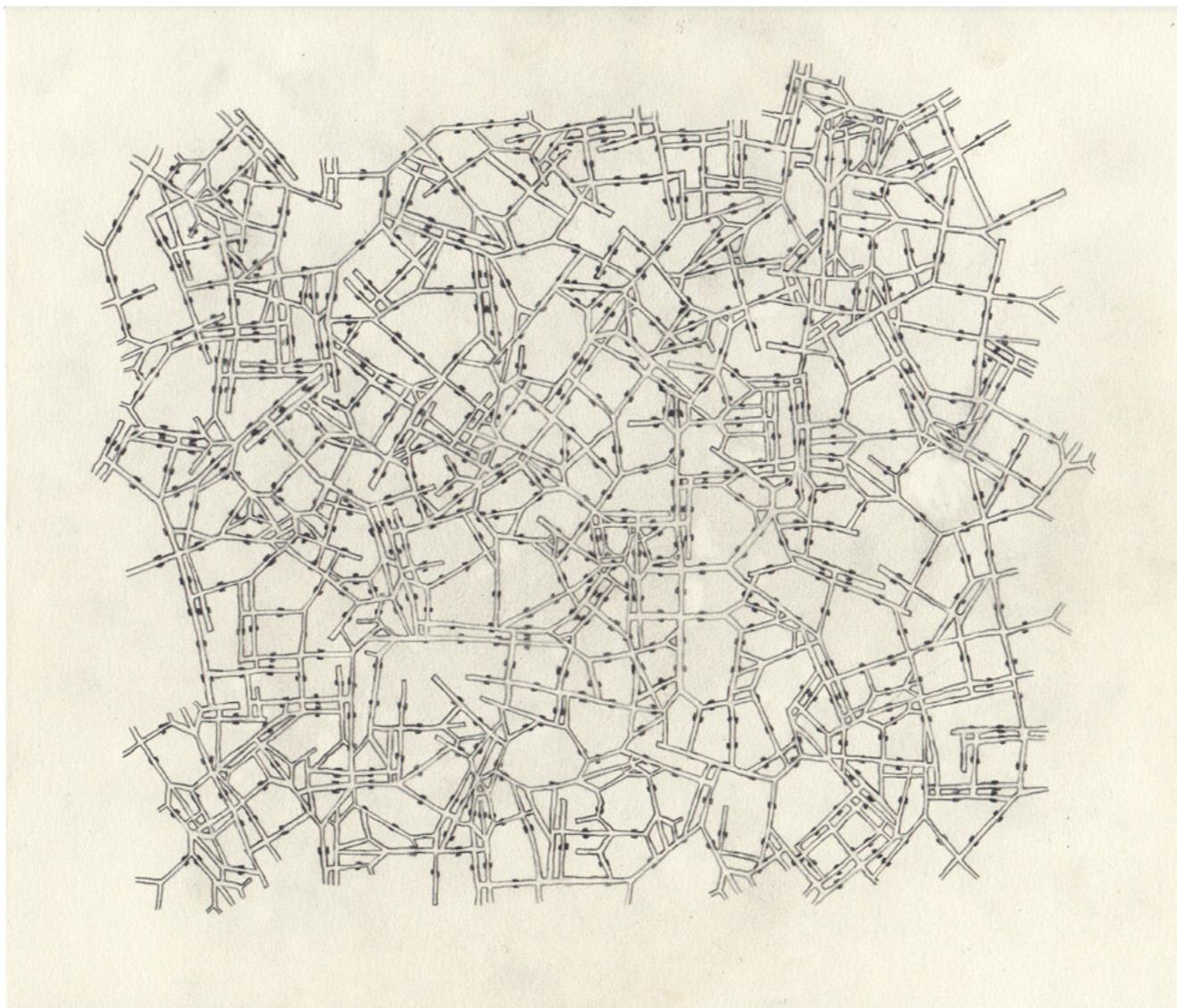
twitter: [@thesarahkaym](#)

pinterest: [Sarah Kay](#)

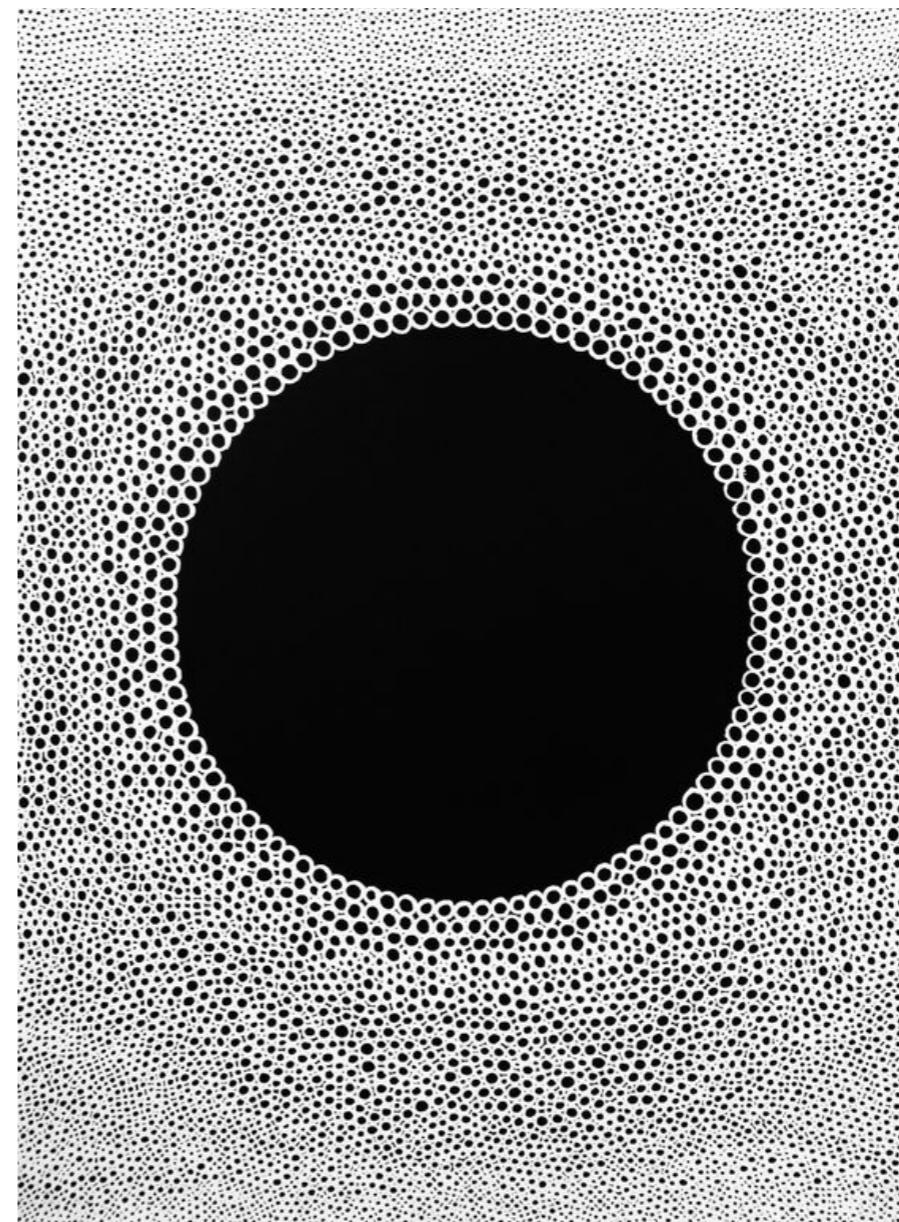
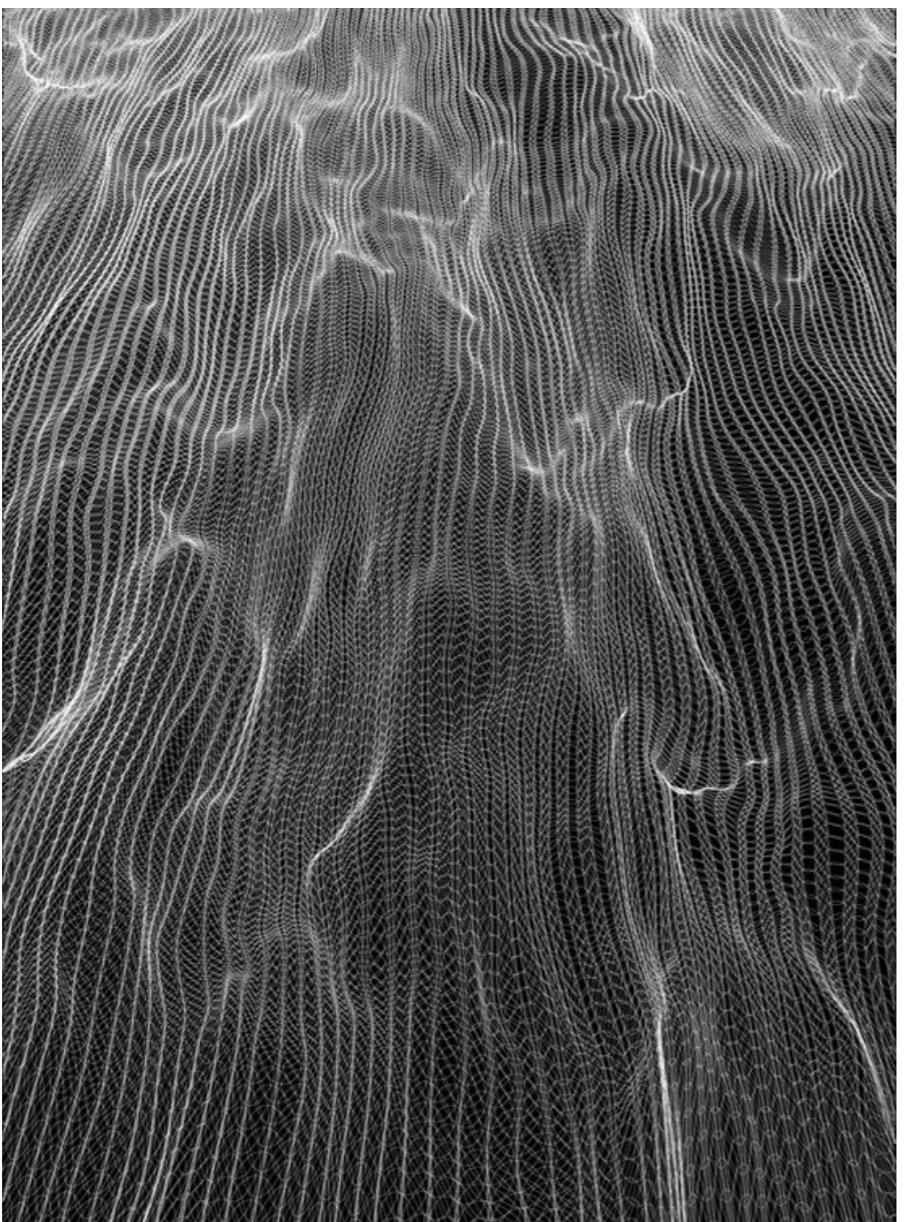
[thesarahkay@gmail.com](mailto:thesarahkay@gmail.com)

# Generative Art:

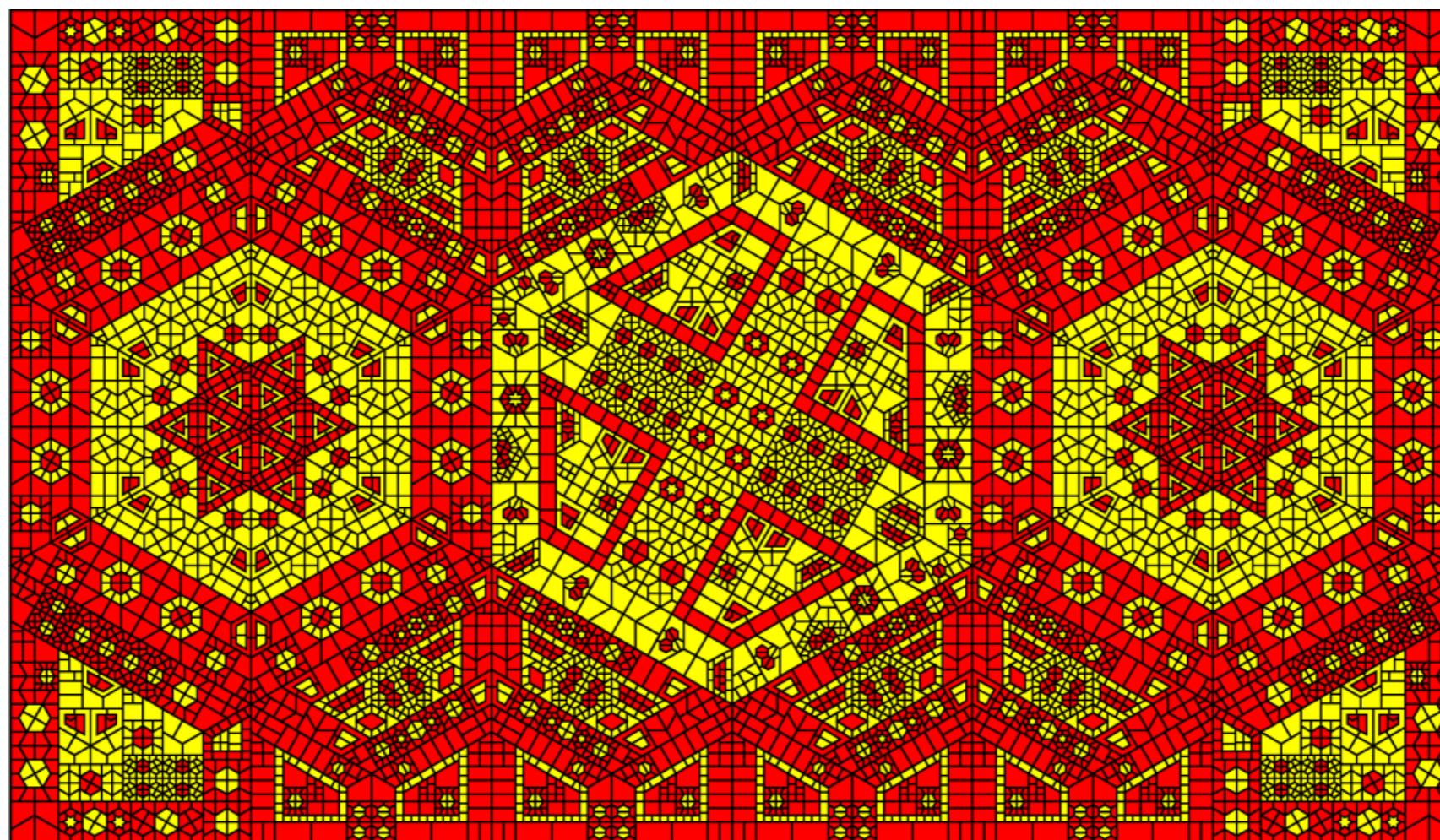
art created (entirely or in part) by using an autonomous system or set of rules



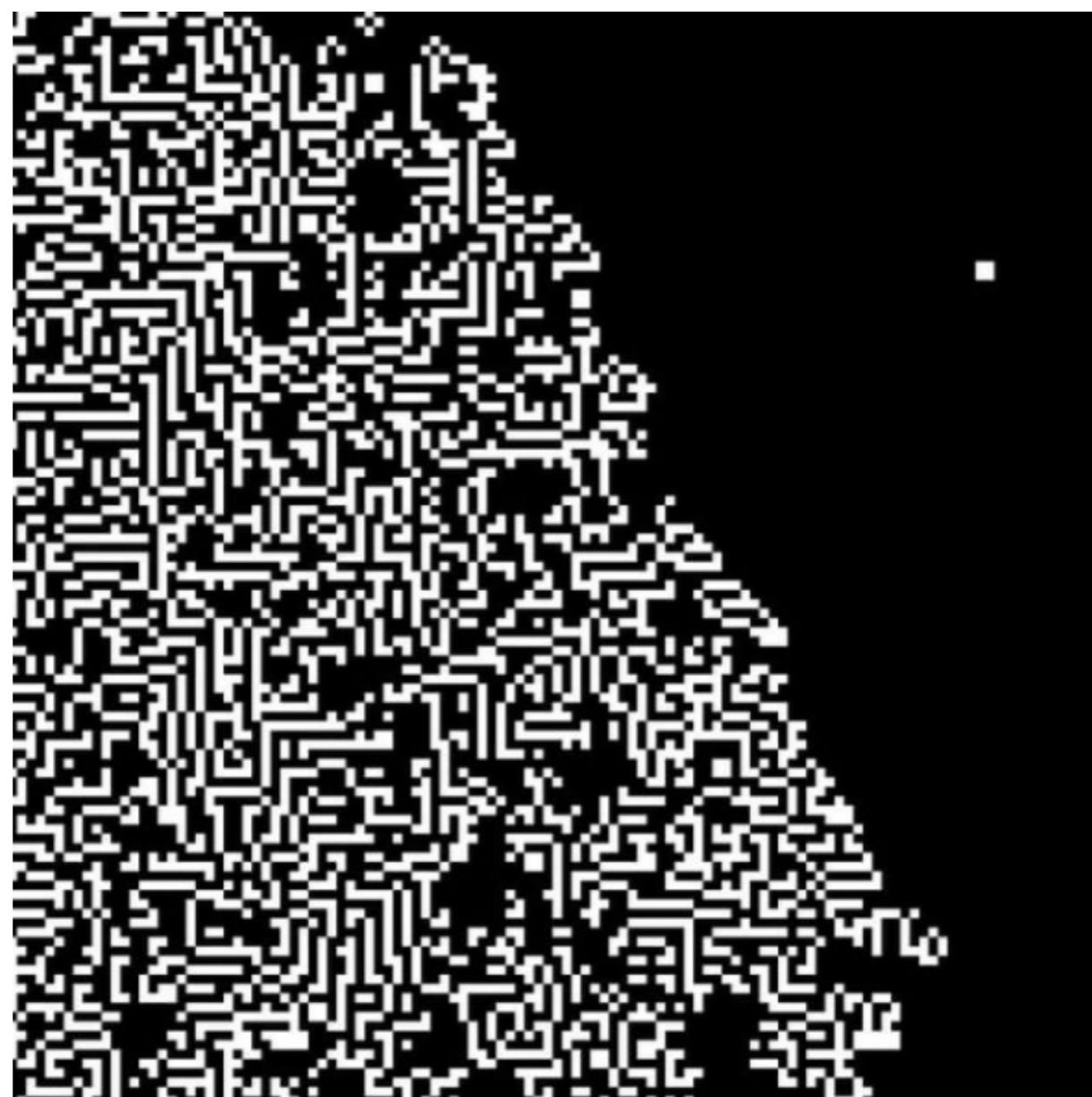
[Kat Masback](#)



[Generative Art](#)

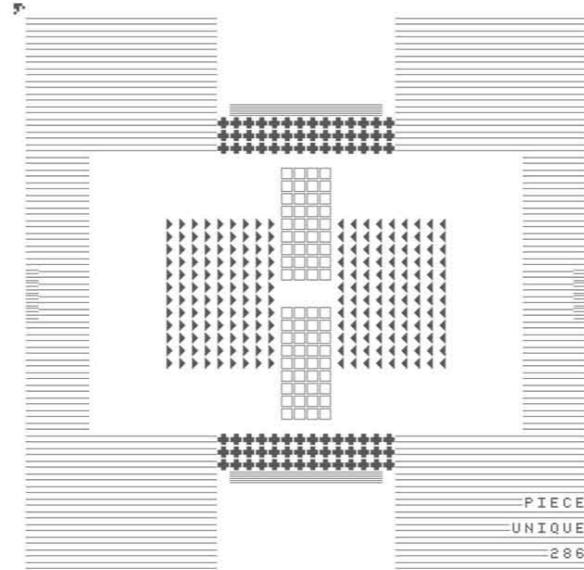


Fleen

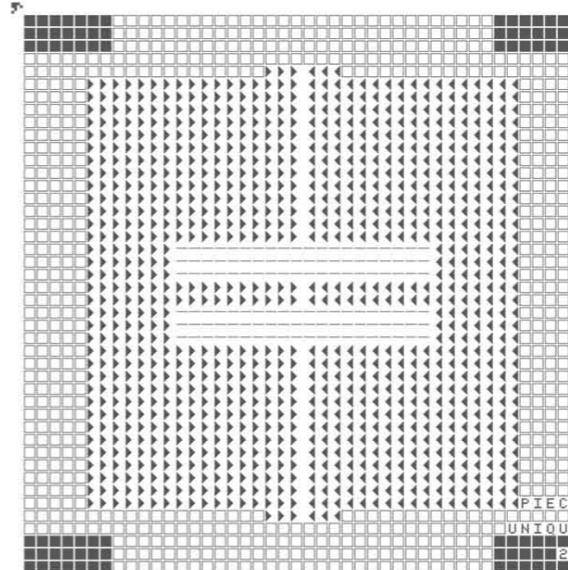


Made with Processing!

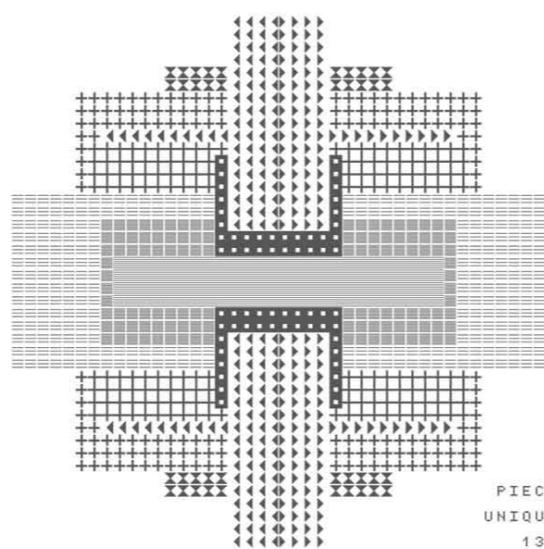
[10print](#)



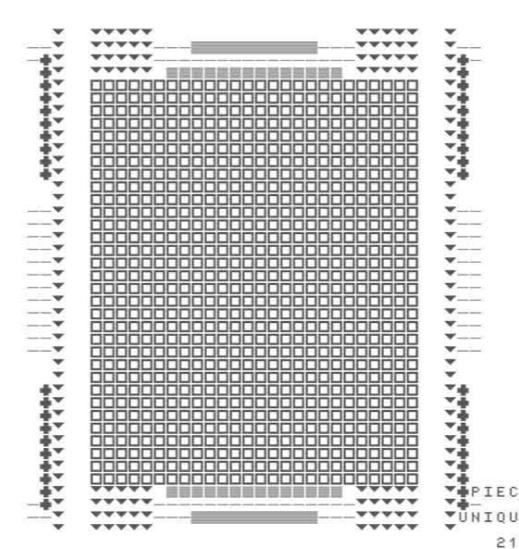
PIECE  
UNIQUE  
286



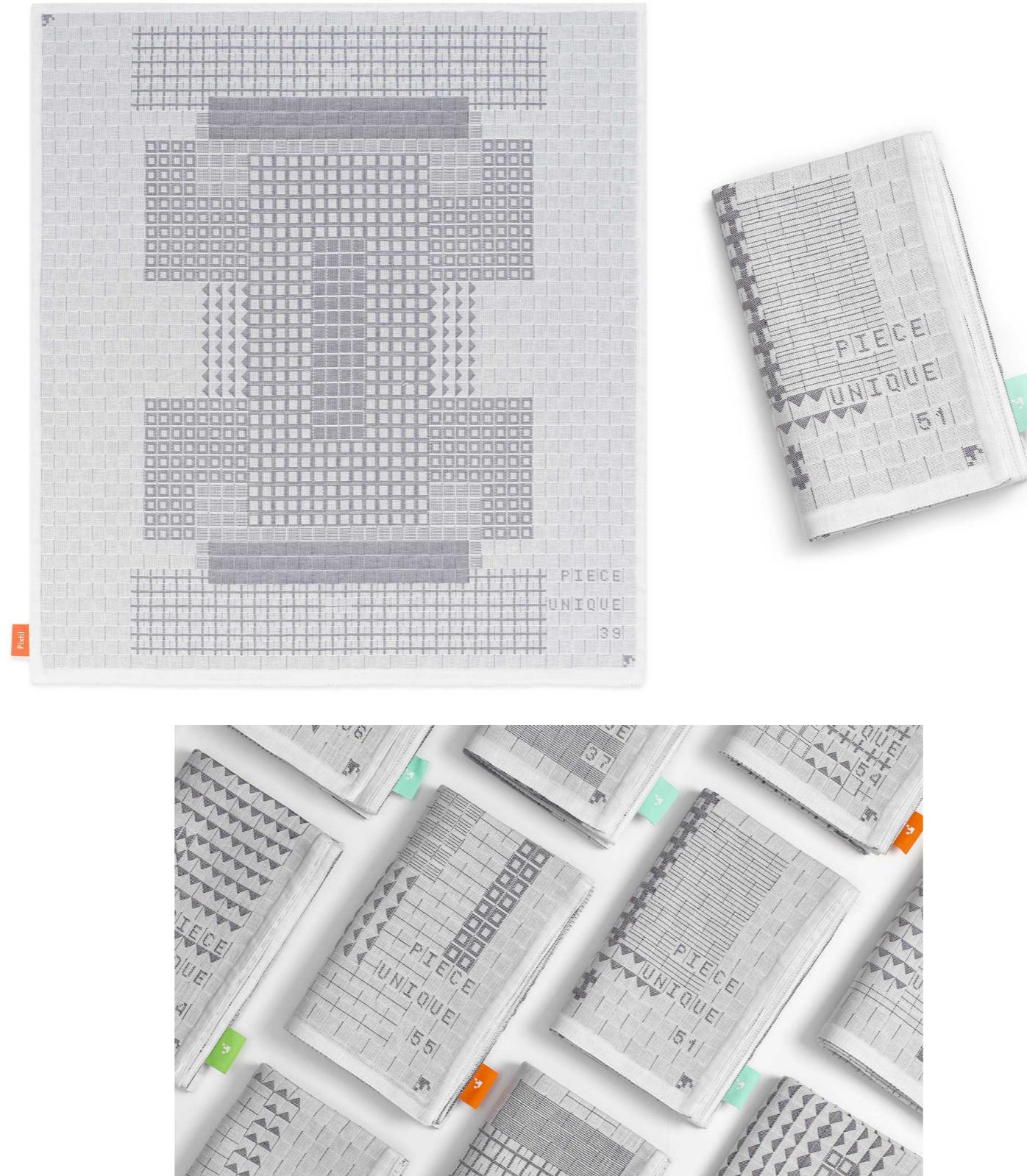
PIECE  
UNIQUE  
25



PIECE  
UNIQUE  
139



PIECE  
UNIQUE  
215



Made with Processing!

[Pixtil](#)



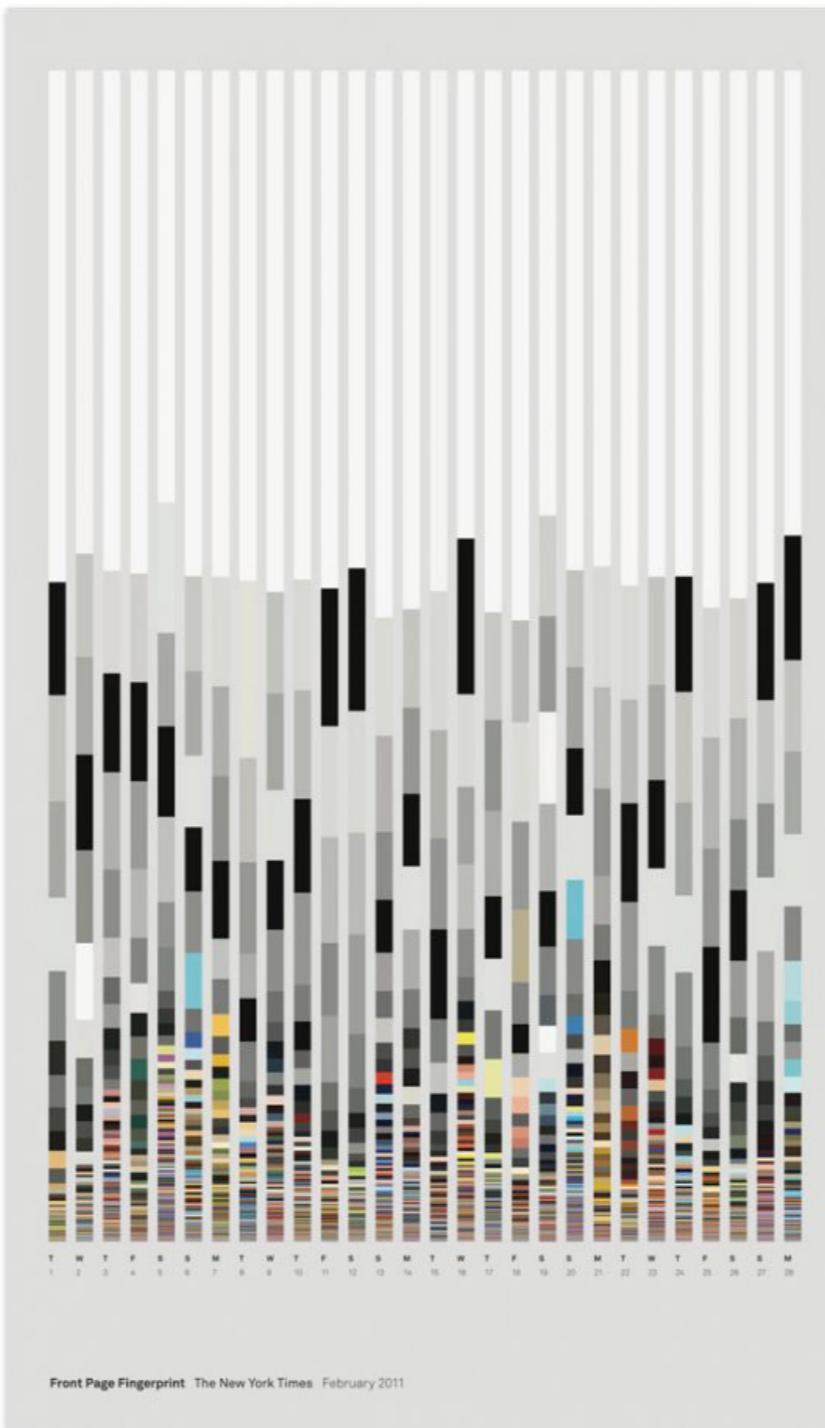
Made with Processing!

[Reinoud van Laar](#)

# Data Visualization

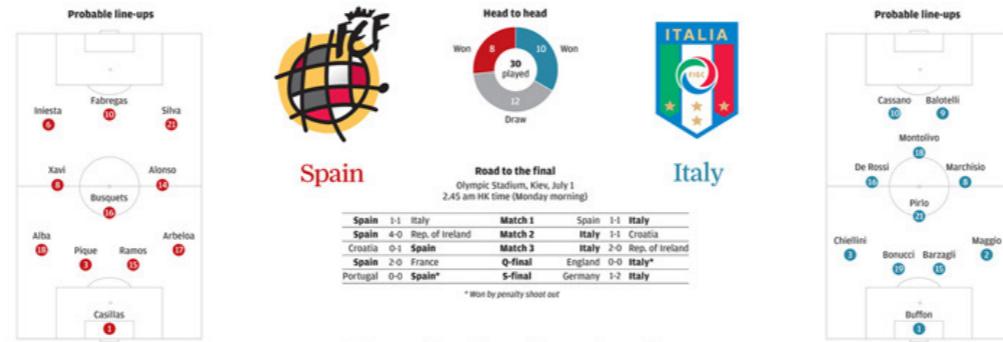
# Data Viz:

the graphical display of abstract information for two purposes: sense-making and communication. Important stories live in our data and data visualization is a powerful way to discover and understand these stories, and then to present them to others.

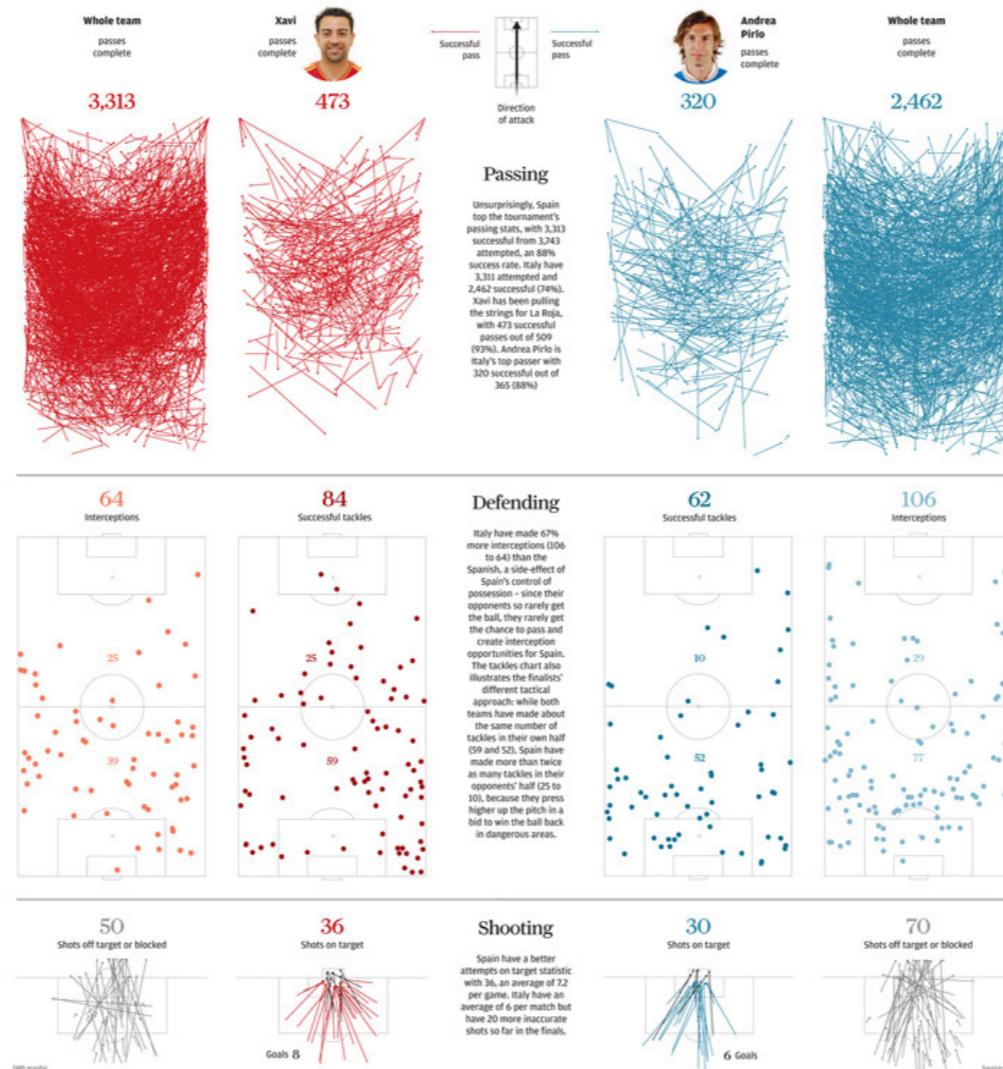


Made with Processing!

Derek Chan



## How they've played so far

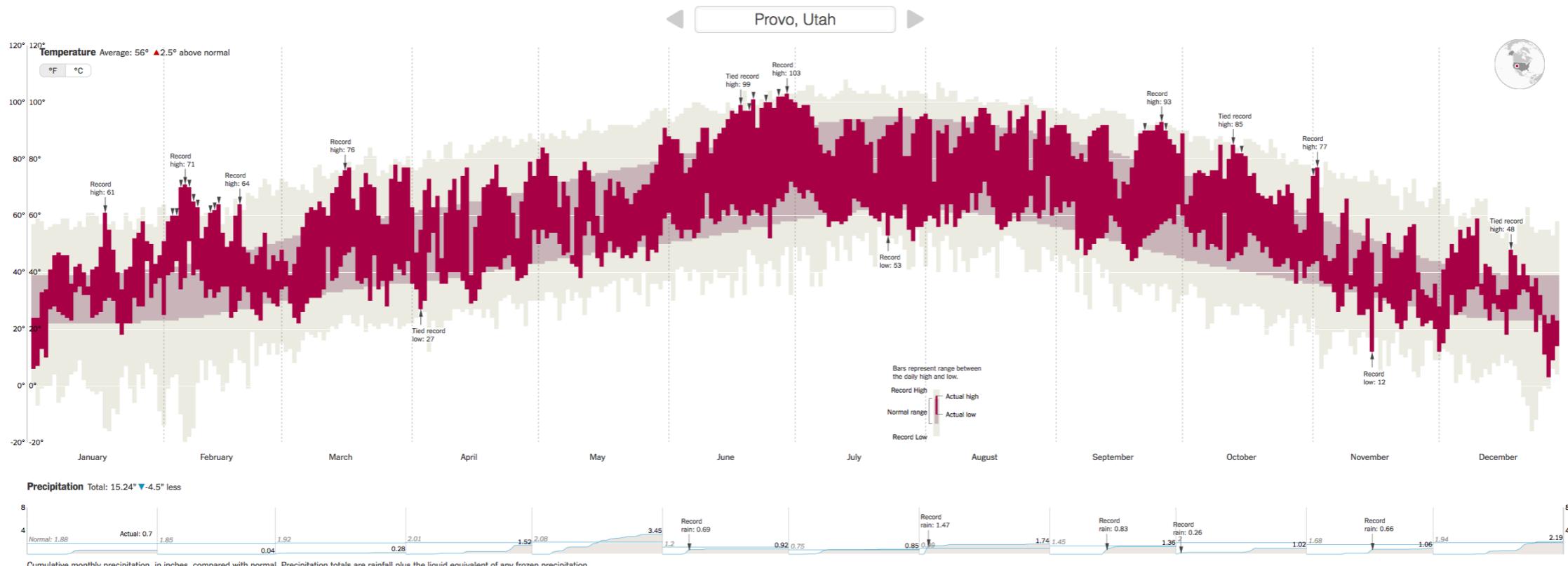


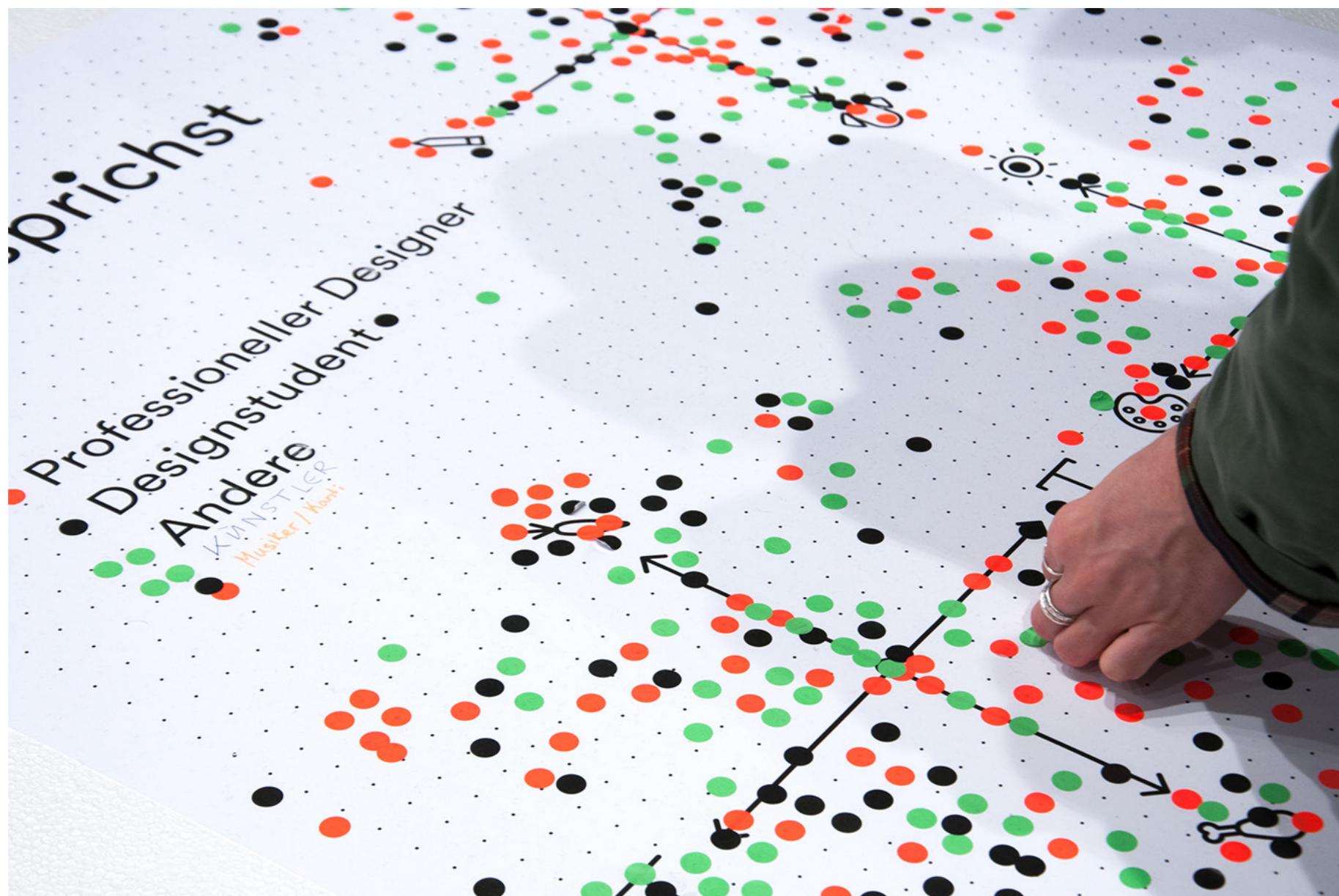
Simon Scarr

## How Much Warmer Was Your City in 2015?

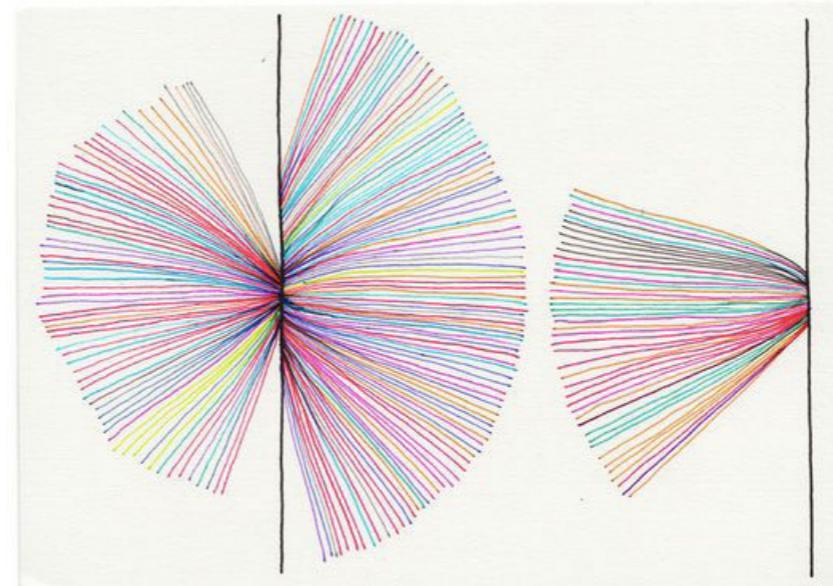
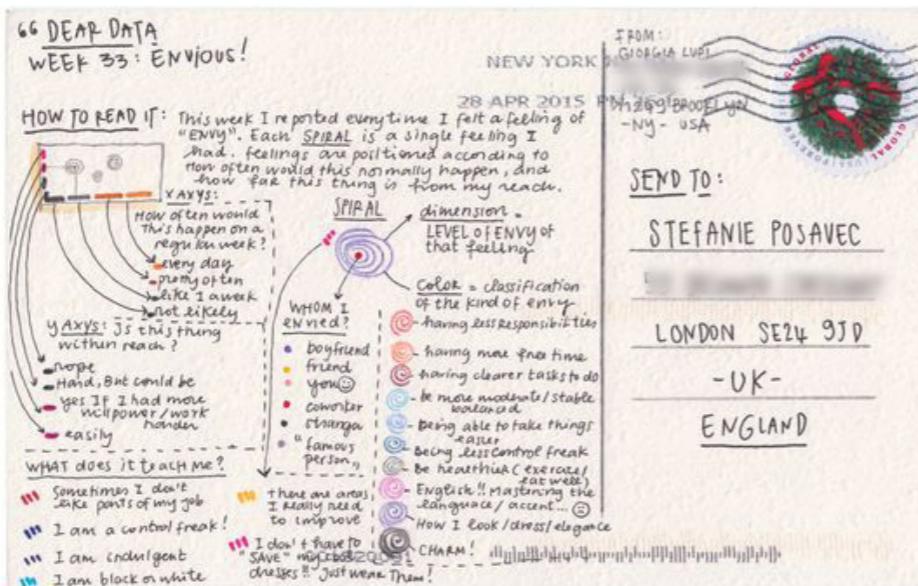
By K.K. REBECCA LAI FEB. 19, 2016

Scientists declared that 2015 was Earth's hottest year on record. In a database of 3,116 cities provided by AccuWeather, about 90 percent of them were warmer than normal. Enter your city in the field below to see how much warmer it was last year.

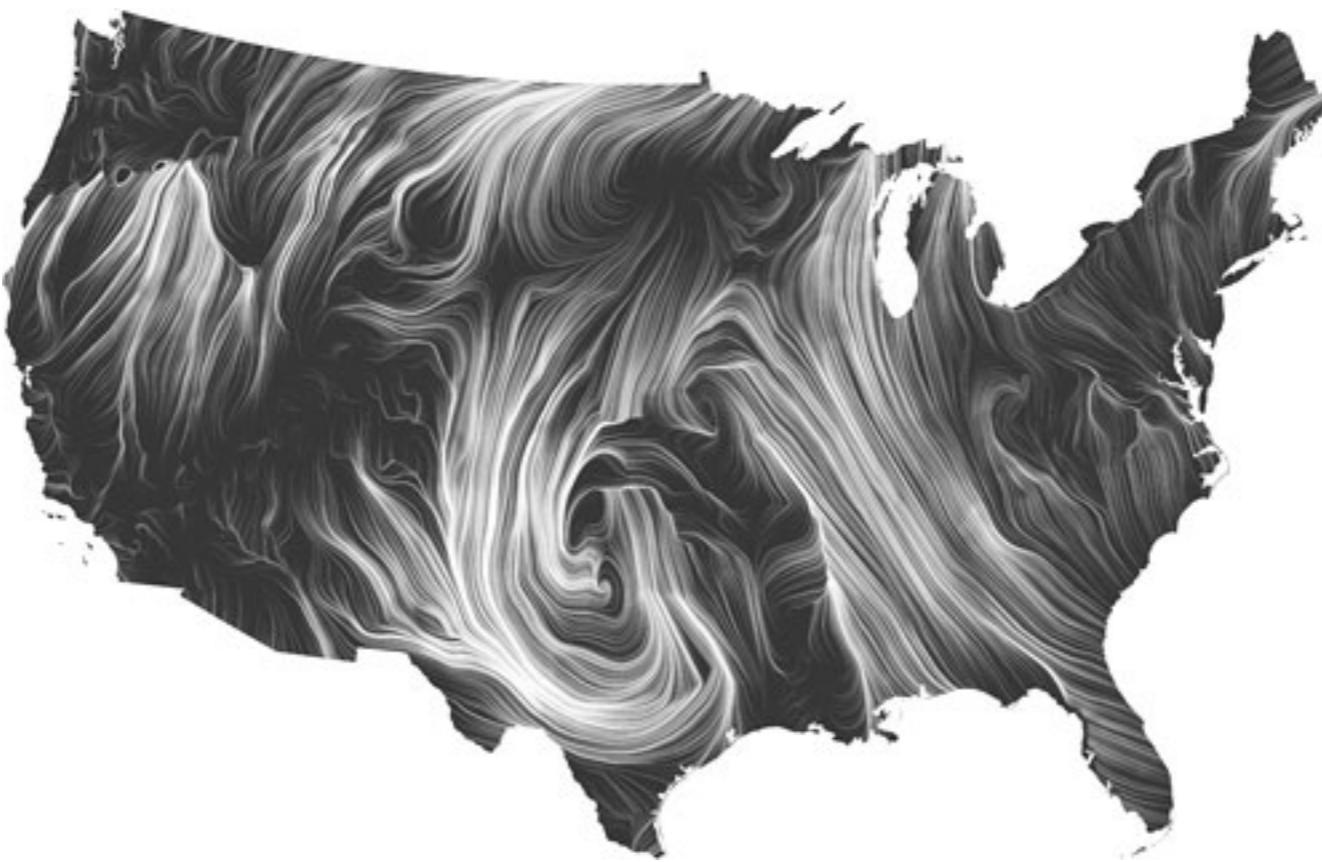
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YAAY CH



Dear Data



[Hint.fm](https://Hint.fm)

≡ MENU

FiveThirtyEight

Share



1 2 3 4 5 6 7 8 9 10 11 12 | Explore the data for yourself »

This interactive graphic is part of our project exploring the more than 33,000 annual gun deaths in America and [what it would take](#) to bring that number down. See our stories on [suicides among middle-age men](#), [homicides of young black men](#) and [accidental deaths](#), or explore the menu for more coverage.

FiveThirtyEight

# My Projects

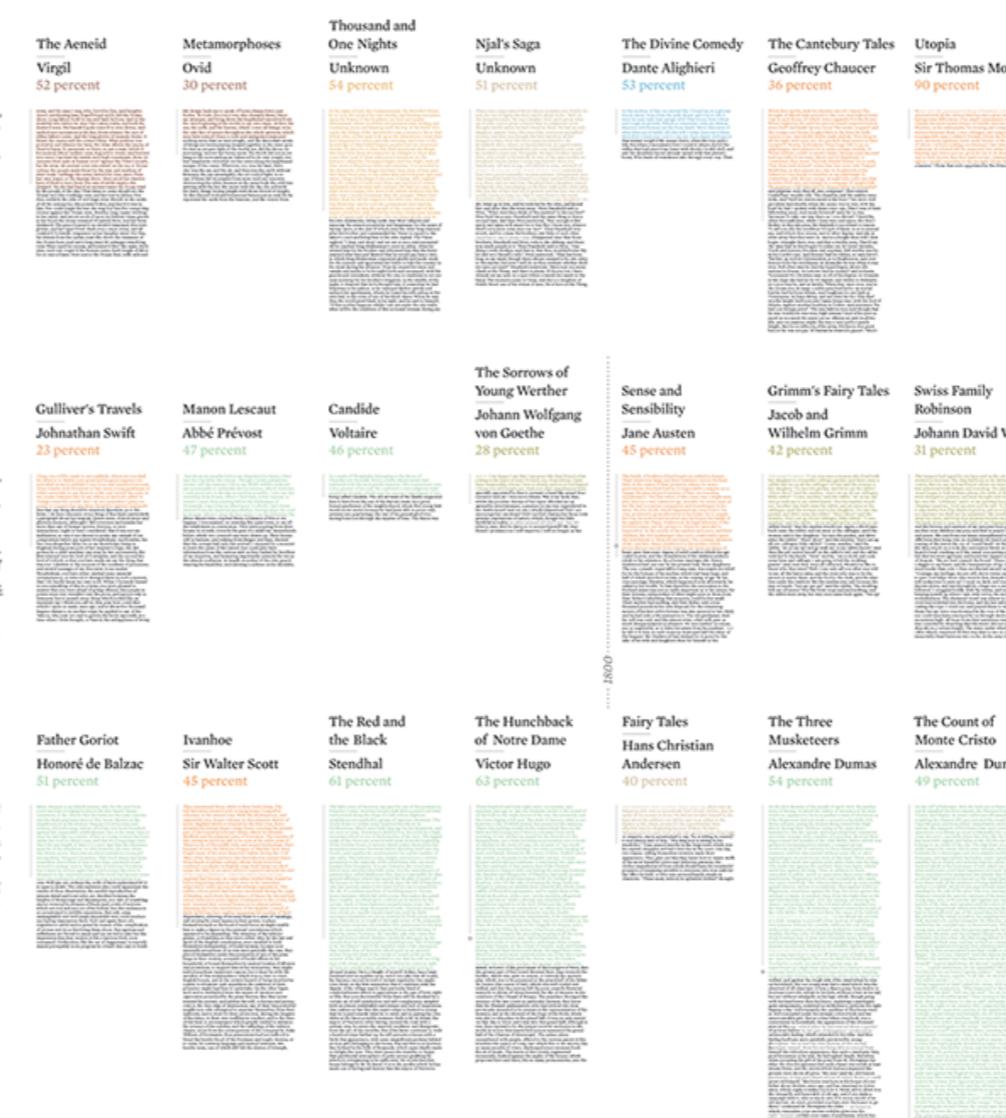
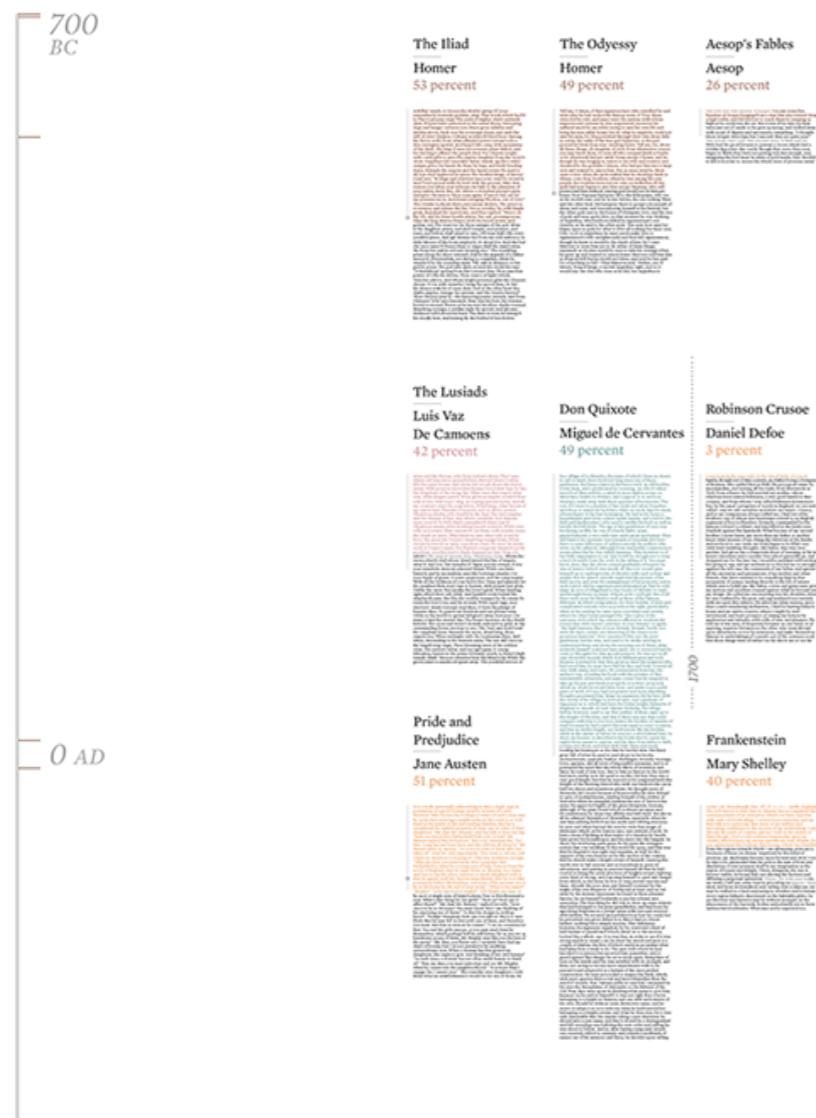
# Dialogue in Classic Literature

Compiled and designed by Sarah Kay Miller, with data cleaning by Derek Miller

How much of a book is conversation? Does it vary between nations? Does an author write the same proportion of dialogue throughout all of their novels? With a few lines of code, we were able to count how many words were in a novel, as well as how many words were in between quotation marks (this is what is considered "dialogue"). It turns out there is quite a spectrum of dialogue in classic novels, with the average proportion of conversation being 45%.

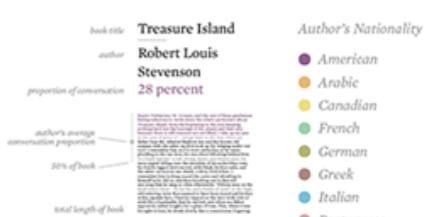
Texts were downloaded from gutenberg.com. Data cleaned using Python. Designed and compiled with Processing (Java) and InDesign. Read more about the process and methodology of this project at medium.com/thesarahkay

## Timeline of dates published

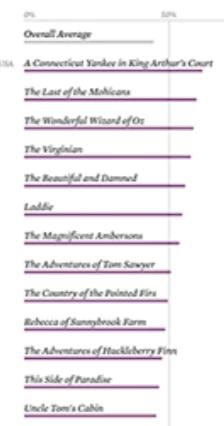


## How to read this chart

These small multiples of classic novels are ordered chronologically and read from left to right. The length of each text block represents the length of the book, with the colored text as the proportion of conversation of that book.



## Conversation proportion by nationality





Made with Processing!

HUGS

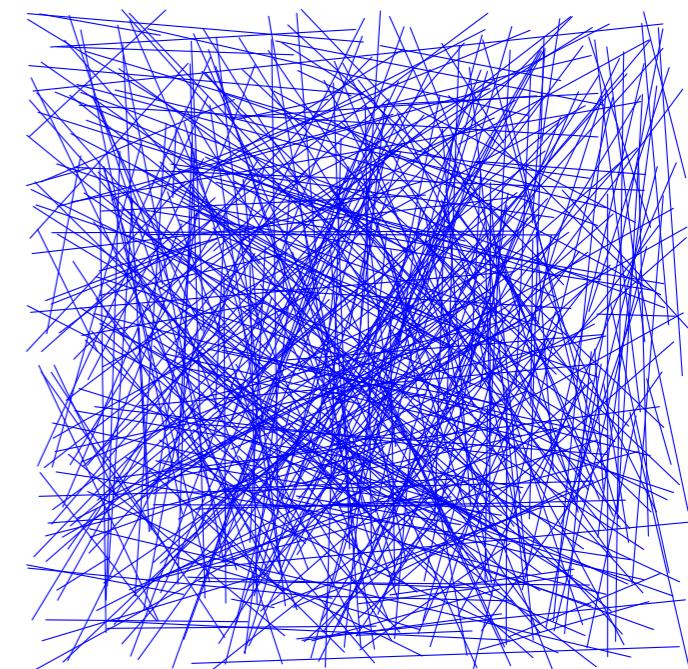
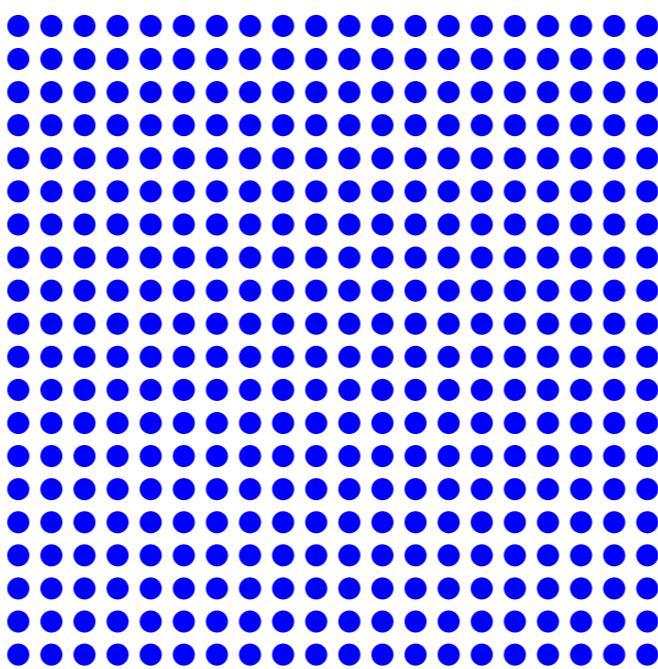
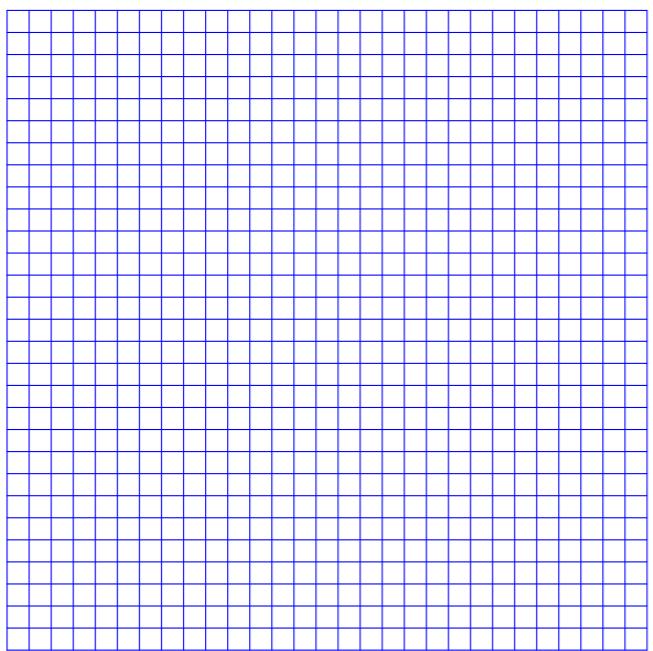
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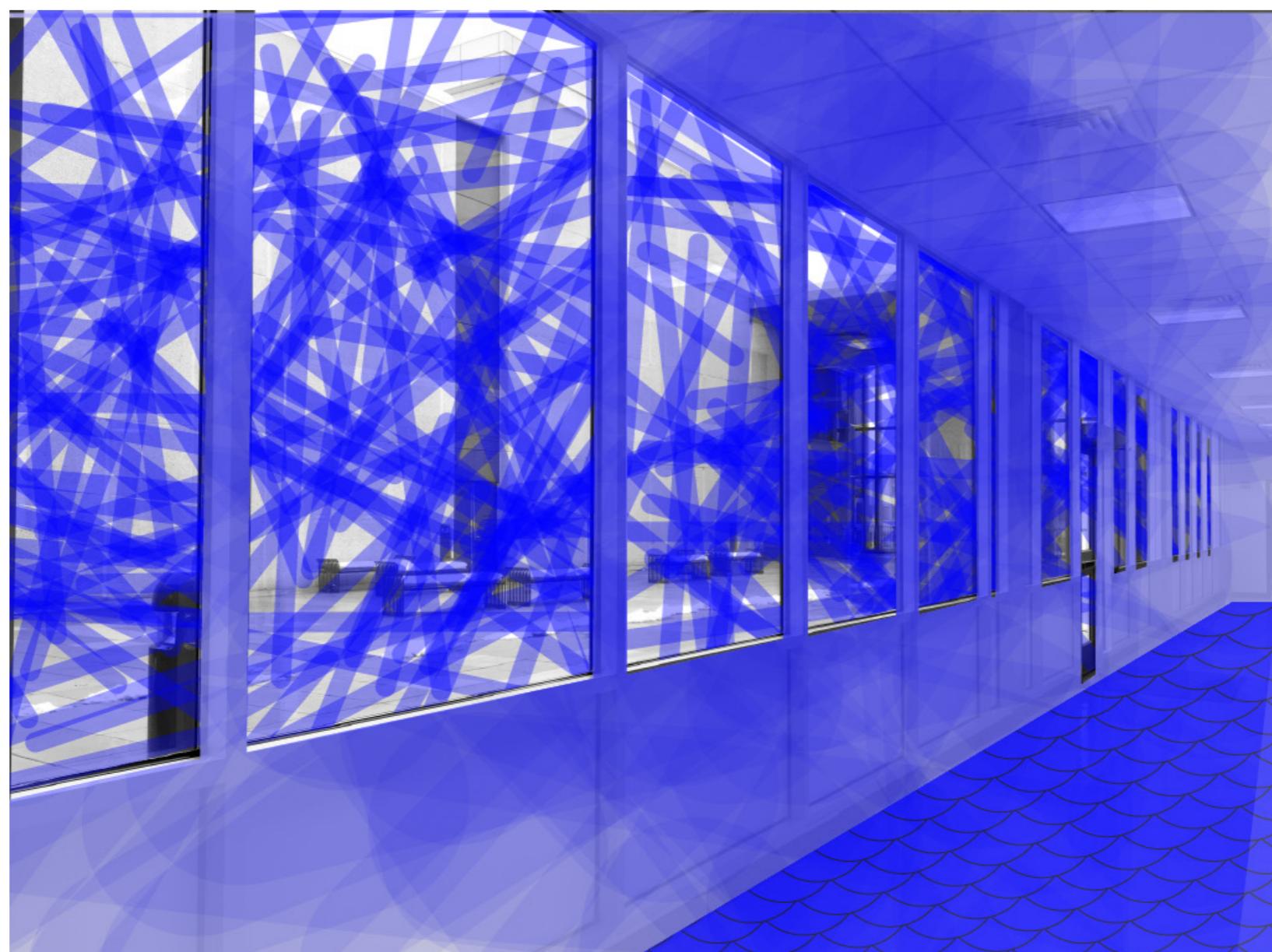
# Processing

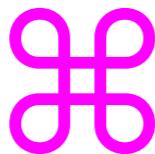
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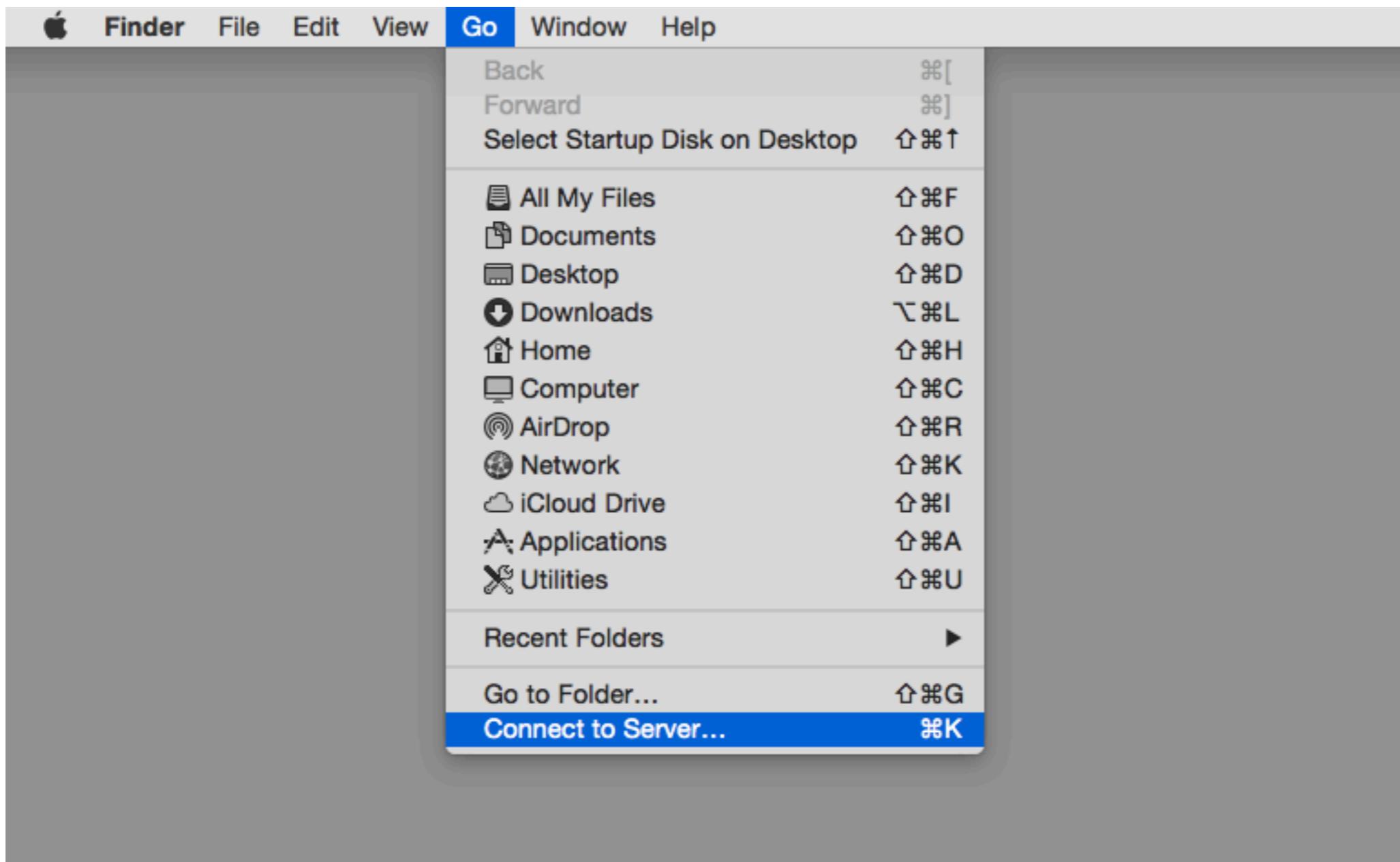
 + spacebar

to search for Processing

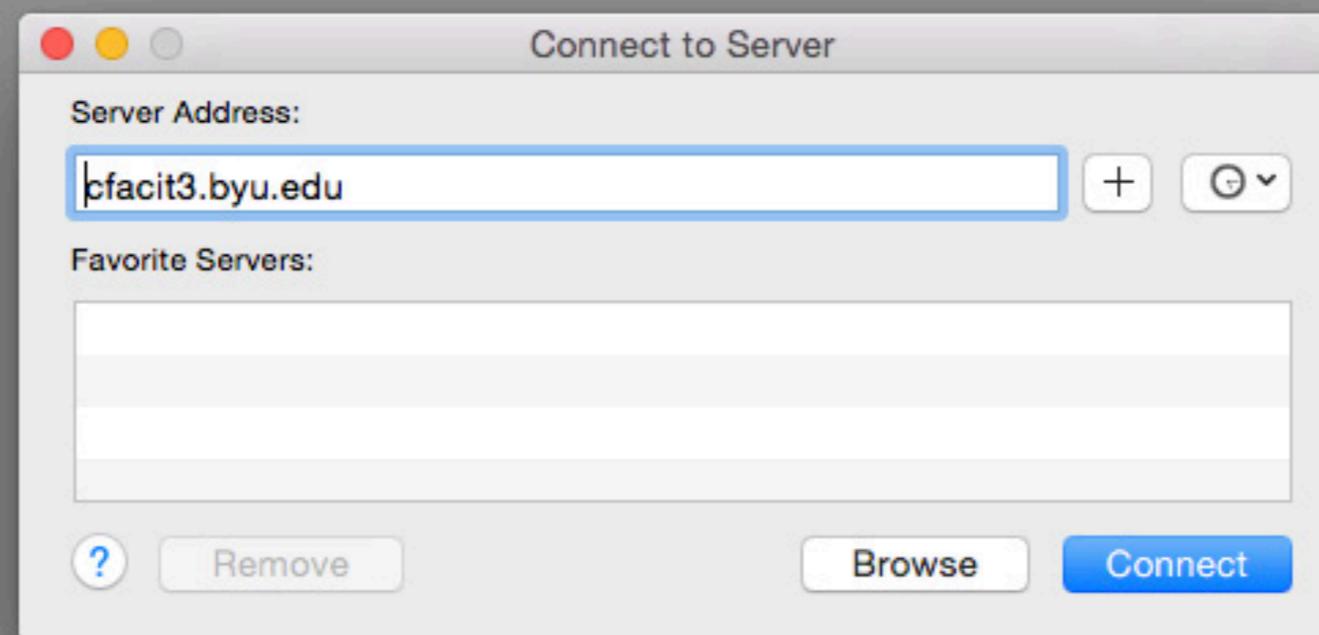
# Connect to Server

to access the files

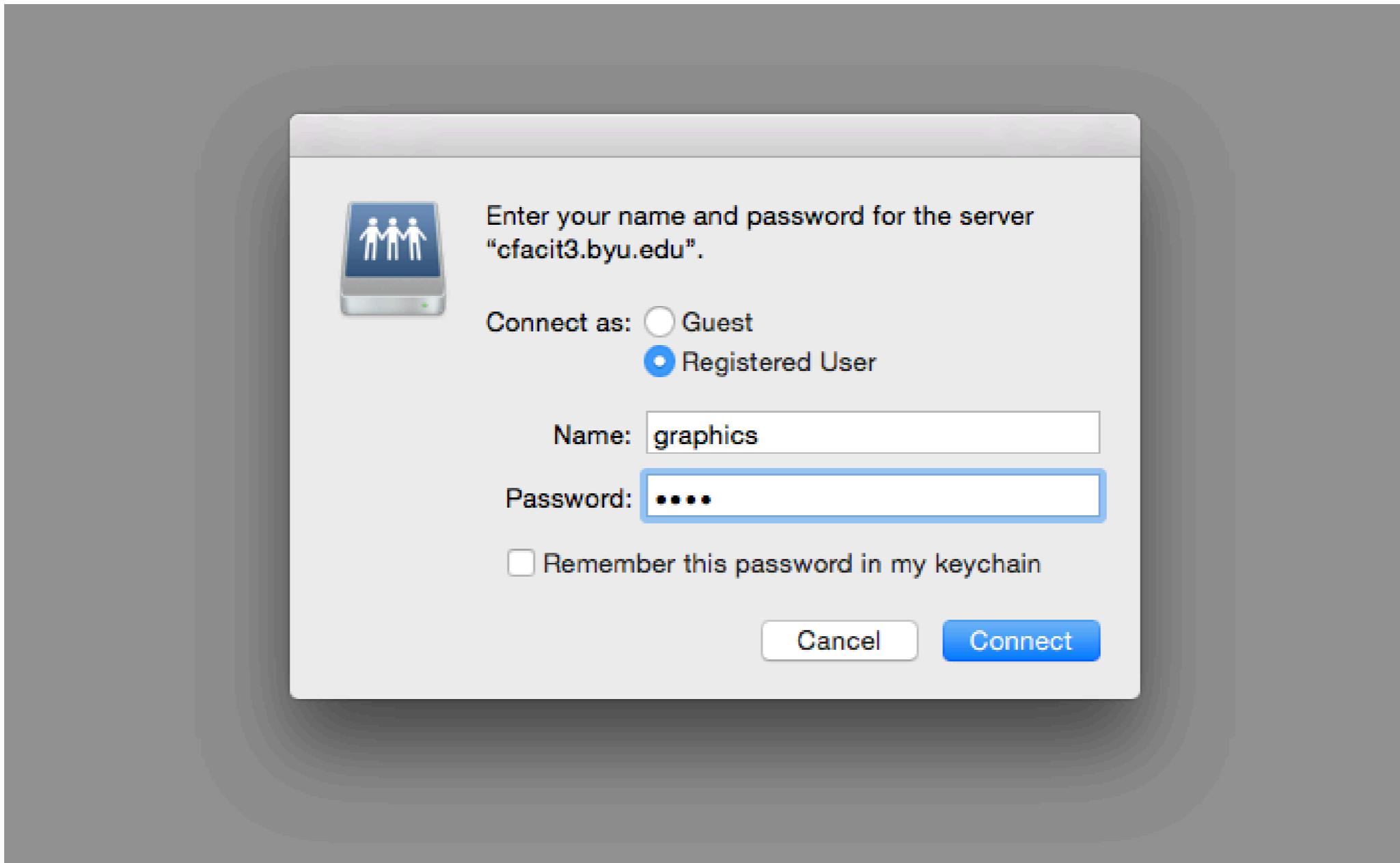
# 1. Go > Connect to Server (or ⌘K)



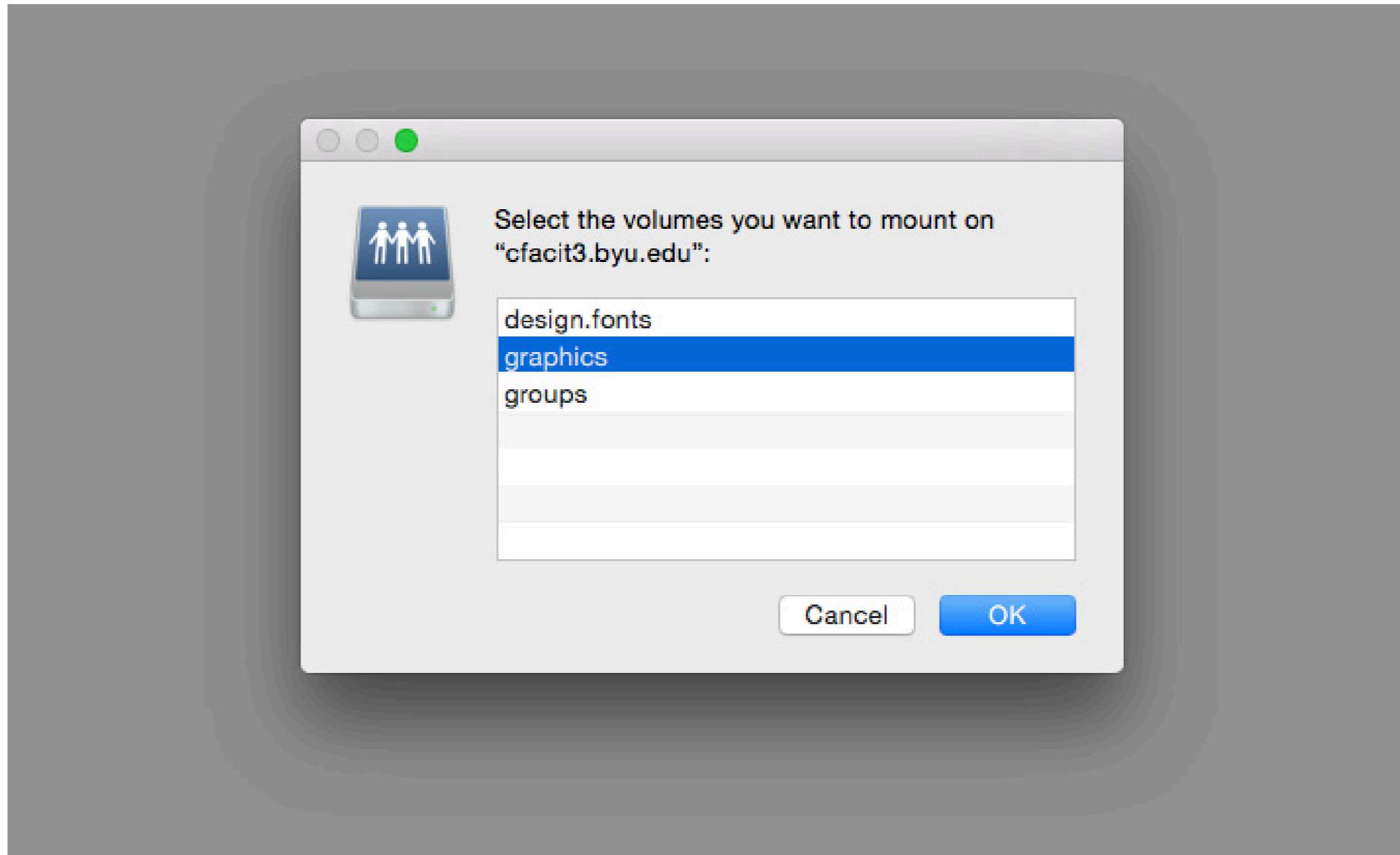
2. Type in address:  
cfacit3.byu.edu



3. Name: graphics  
Password: type

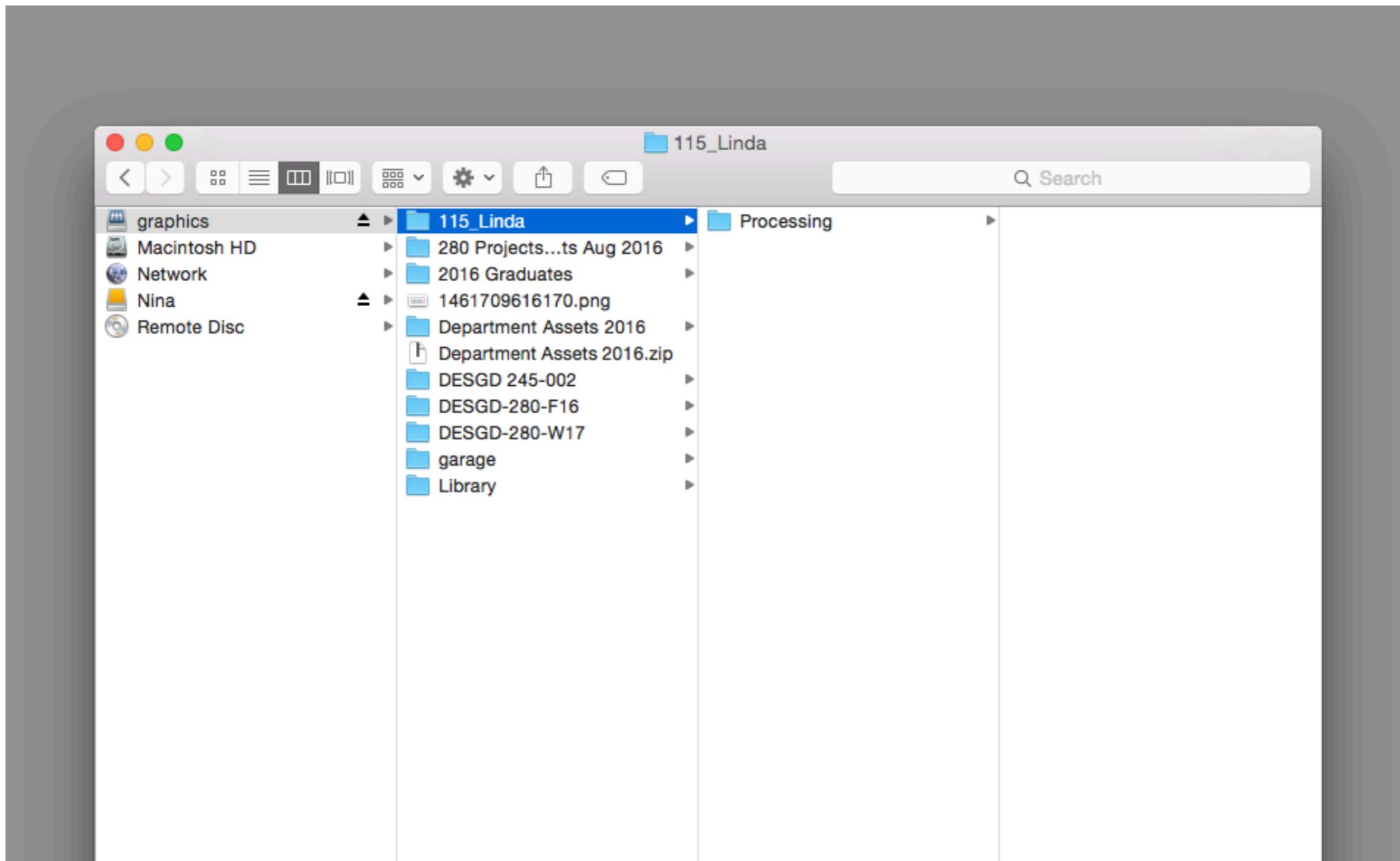


## 4. Select graphics



# 5. You made it!

## 115\_Linda > Processing



Let's make stuff!

...after a break

# You're not alone!

Come to the Friday lab  
for extra help (and fun)