

# FINAL PROJECT

info & vis:

## Takeaway Points:

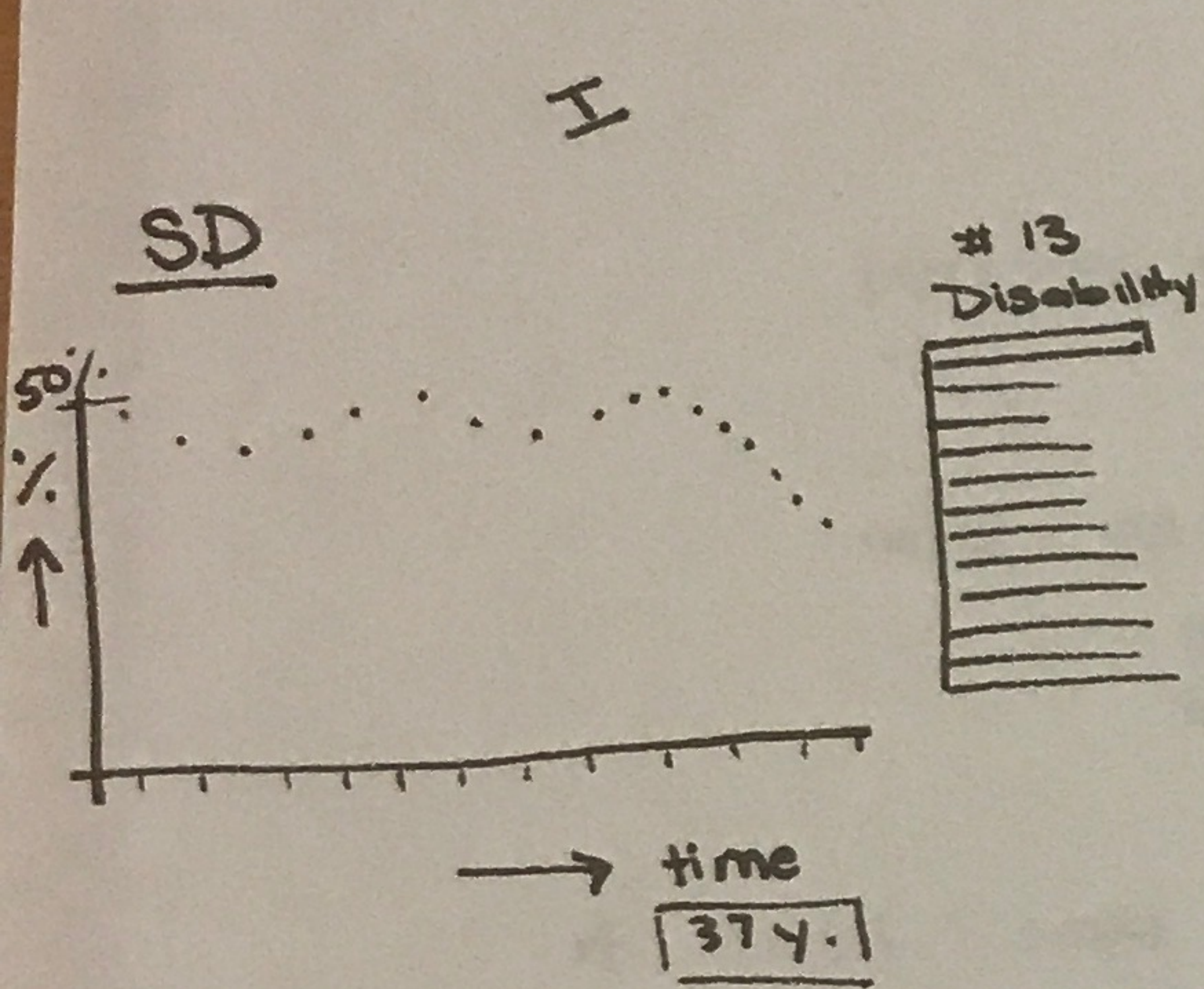
- 1) over time the % of students served with disabilities have shifted (in relation to larger social context.)
- 2) over time the % of students participating in ELL programs has increased nationally by .3%.
- 3) SD ELL ⇒ subject to discrimination/otherness  
Some funding sources  
placement, segregation ] continuity & difference (in 16 states, by 711.) and confounding factors.

Probe to think

### Ending Question

What determines who is Seen by the eyes of the state and thus provided with needed resources/services?

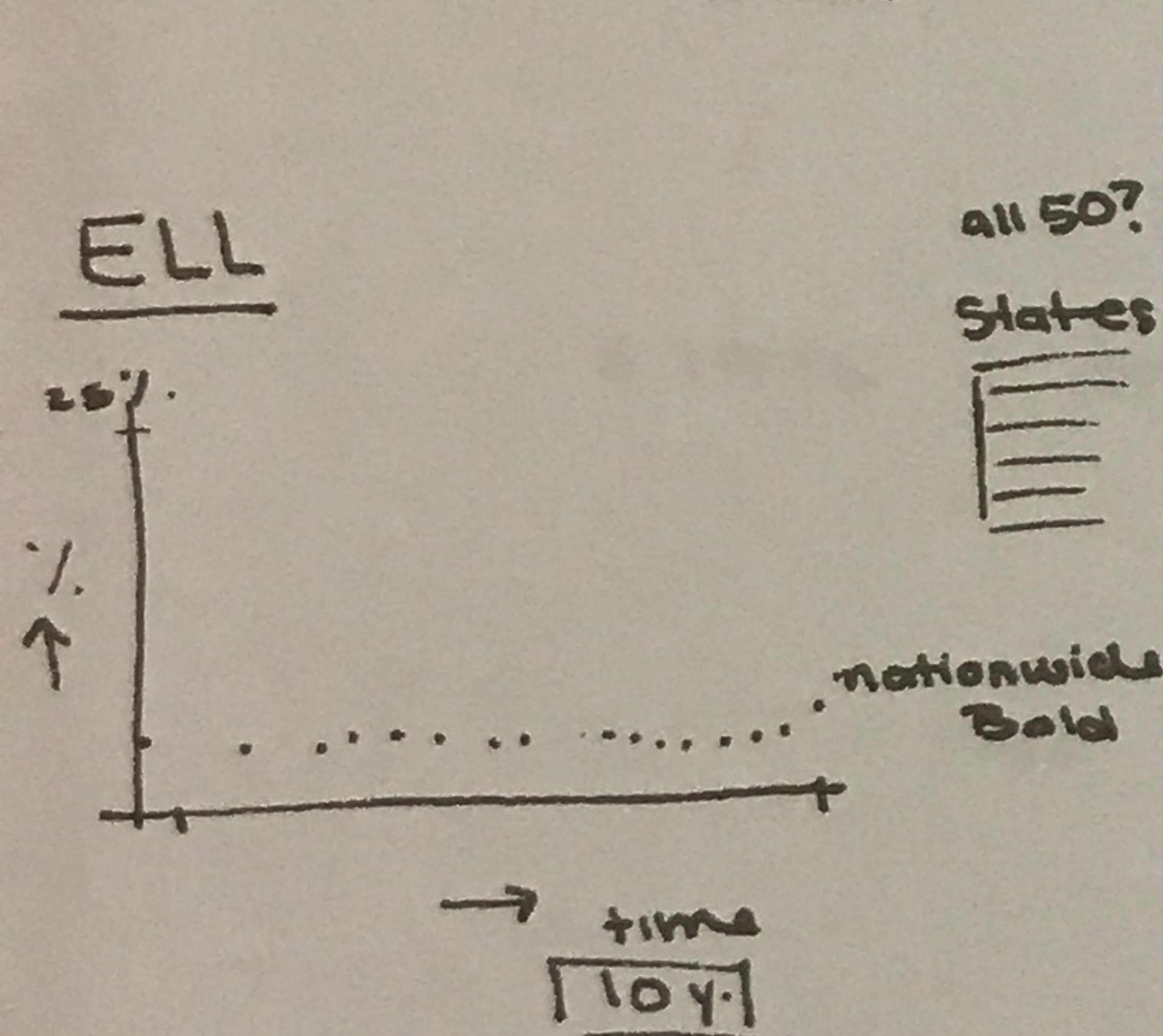
And thus who are we still missing?



**II**

Focus on '11-'14

by race  
sex  
i.e.  
DISABILITY



### History

SD	ELL	CR
'71 PA	'74 Lau v. Nichols Cali	'64 CRA
'72 DC		'71 Casey Heung Lee
'75 ⇒ EHA	'82 Plyter v. Doe Texas	<del>Lau v. Nichols</del>
'82 NY		
'84		
'86	'99 ⇒ BPS	
'90 ⇒ IDEA	'10 ⇒ BPS	
'09		

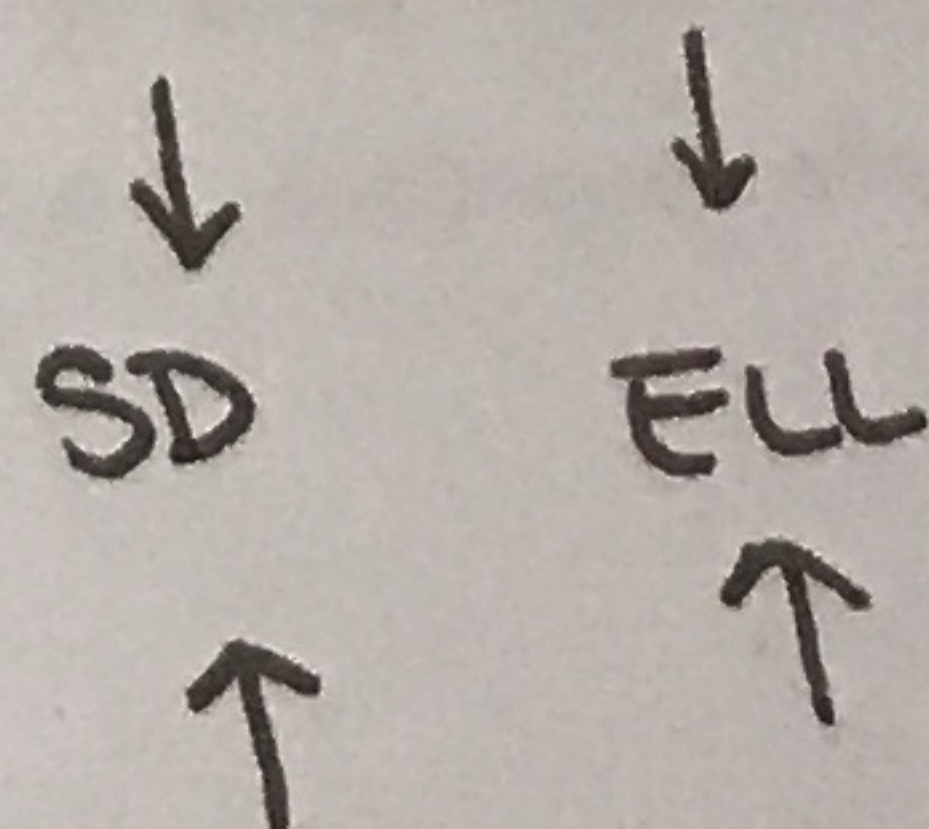
1968 14th amendment  
1870 Plessy v. Ferguson  
154 Brown v. Board → '51

\* segregation \*

LRE

support services  
ELL Programs  
Bilingual education  
Inclusion

equity



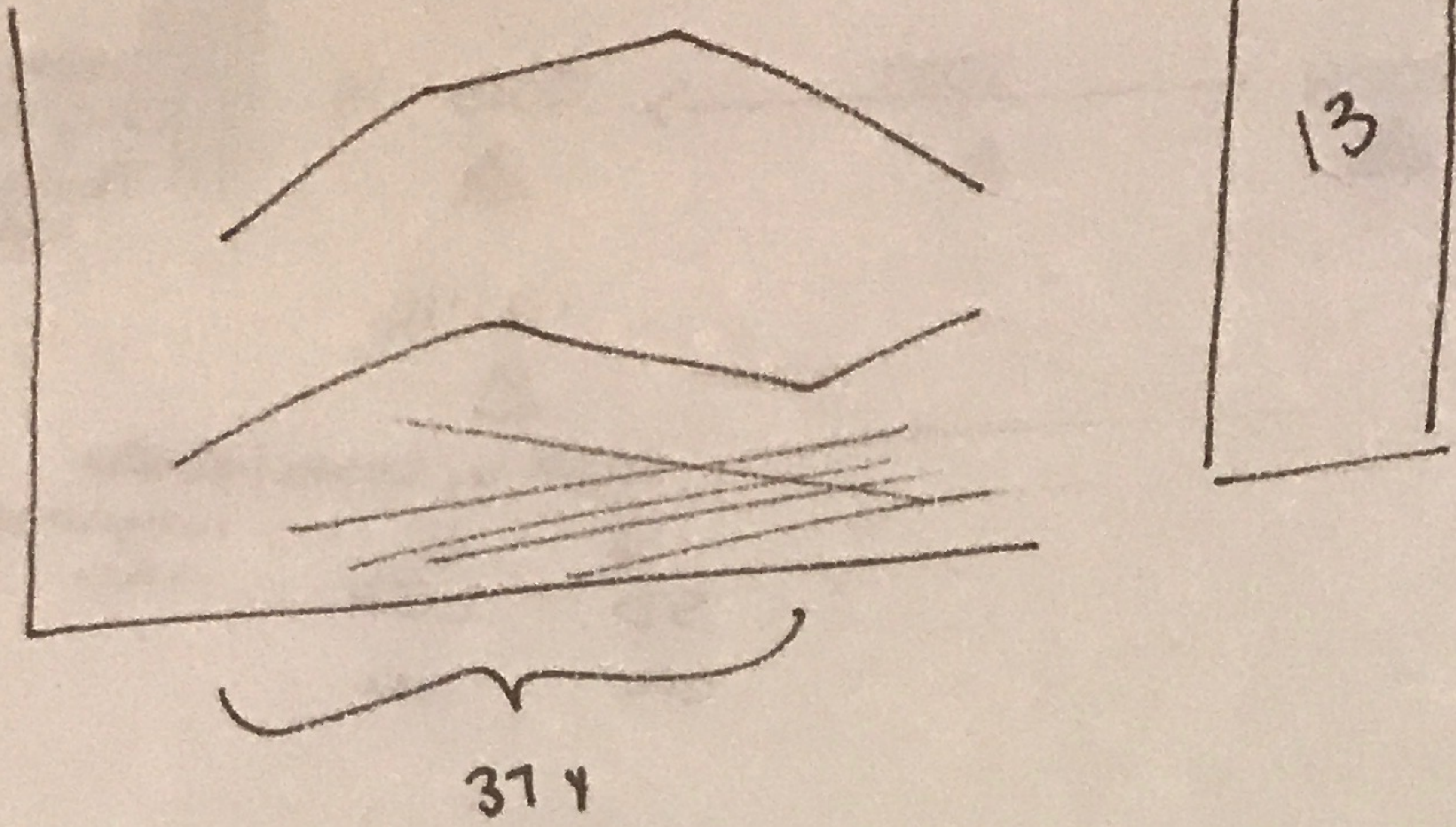
Race

SES

Immigration status

Gender

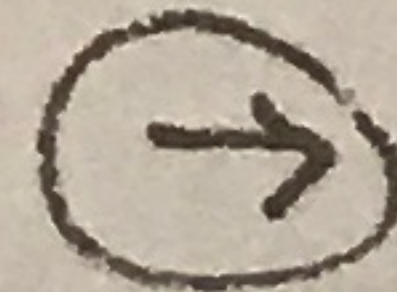
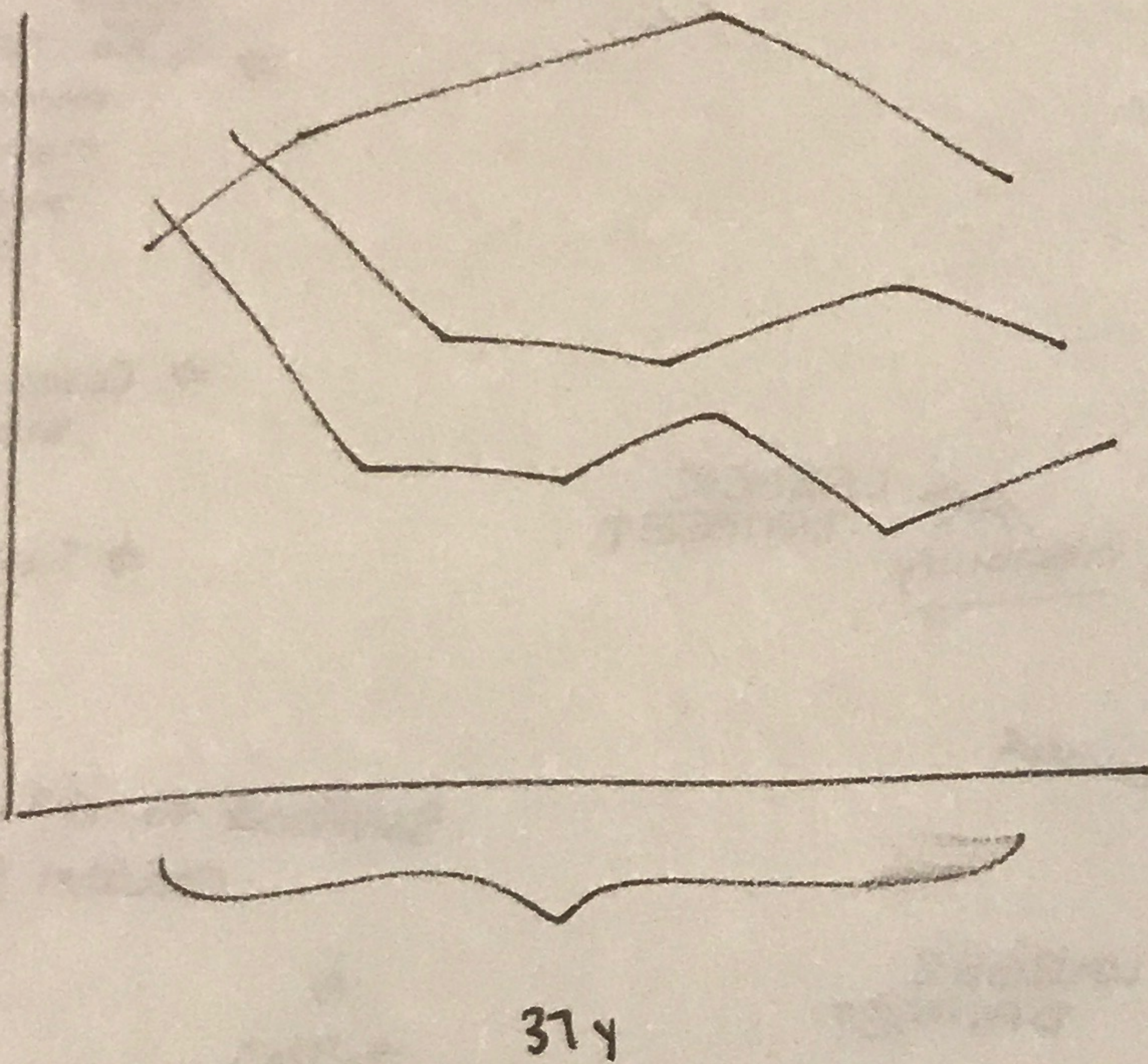
①



Soft Float  
to  
change  
to  
3  
specific

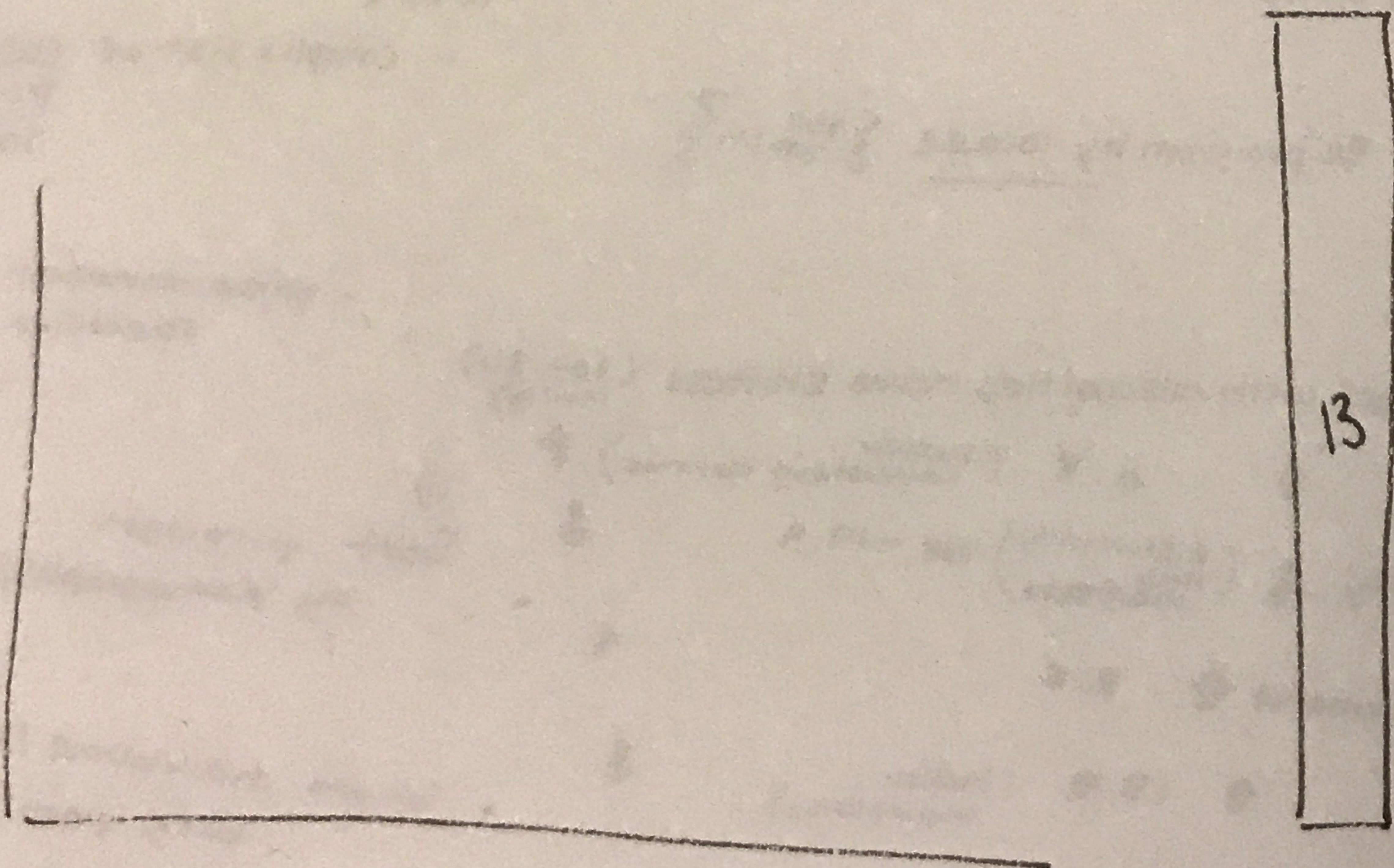
ID  
SL  
SI

②



Soft Float  
to  
zoom

③



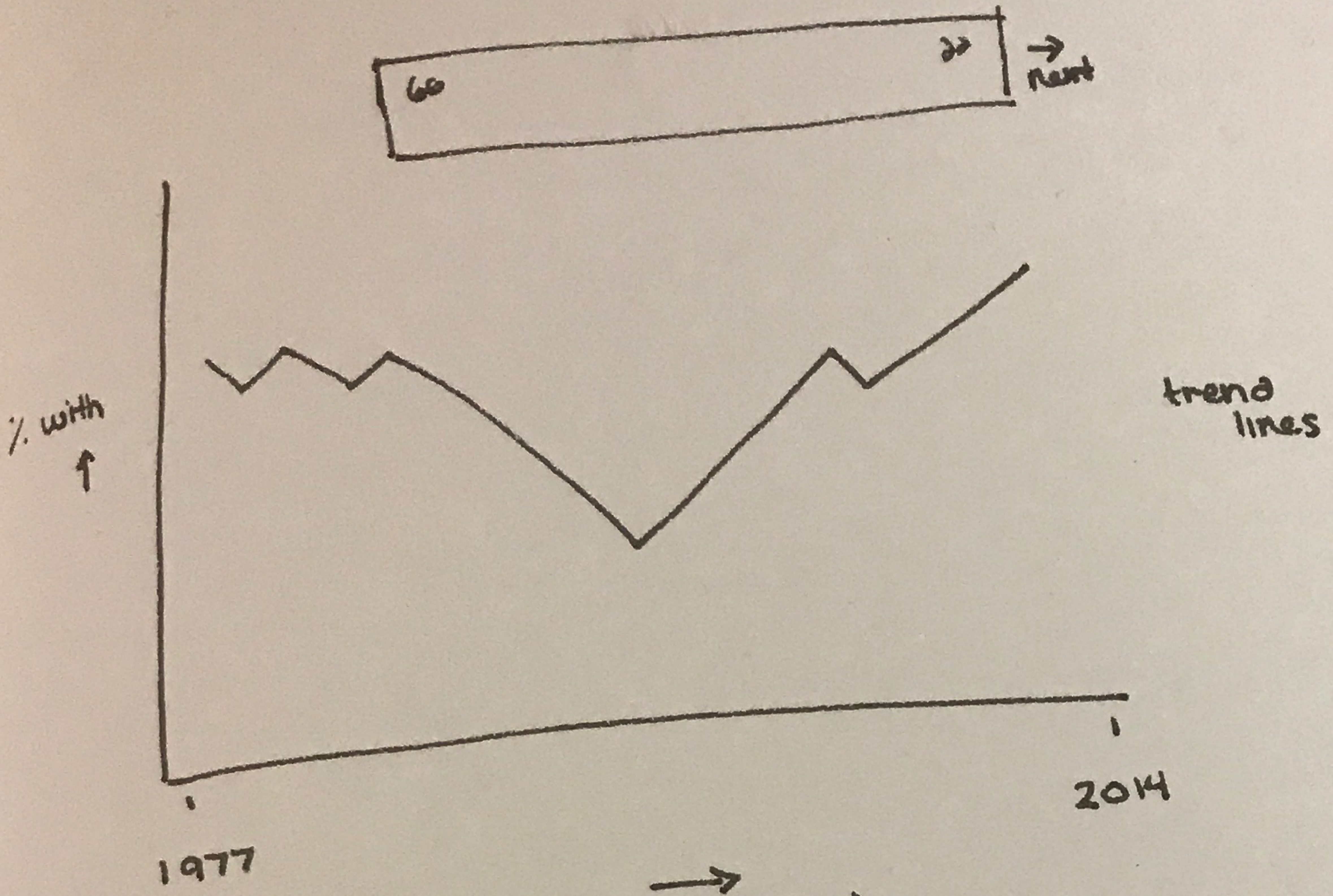
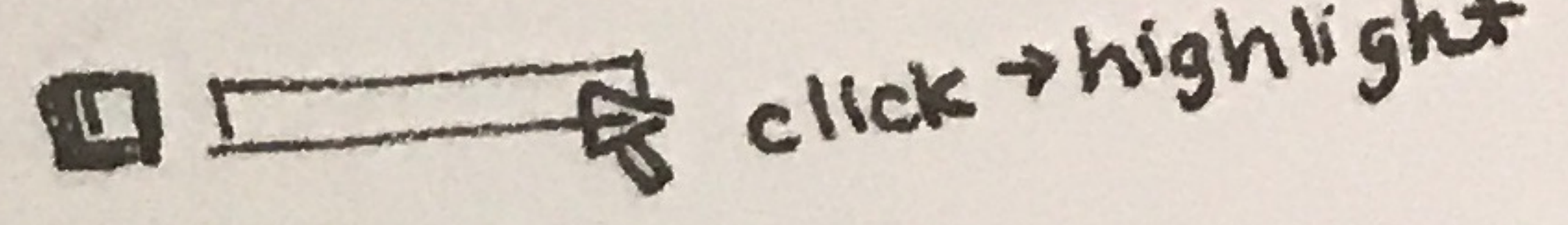
3 years

SO MUCH INFORMATION

to audience for this viz ~~is~~ is  
 People w/o background  
 - beginner learners around this -

↓  
Gen. Public

13 Rec.  
 DIS.  
 Categ.



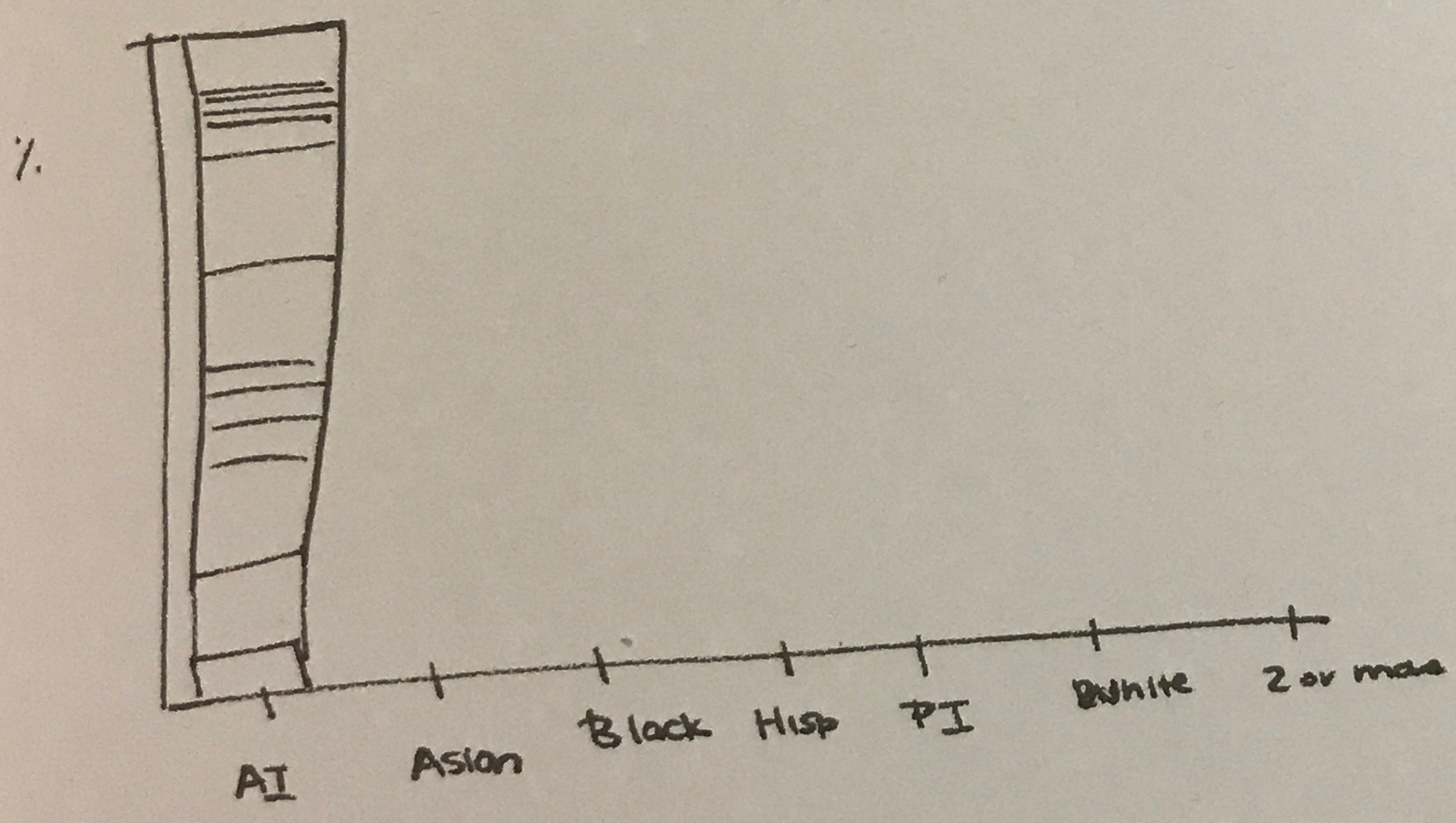
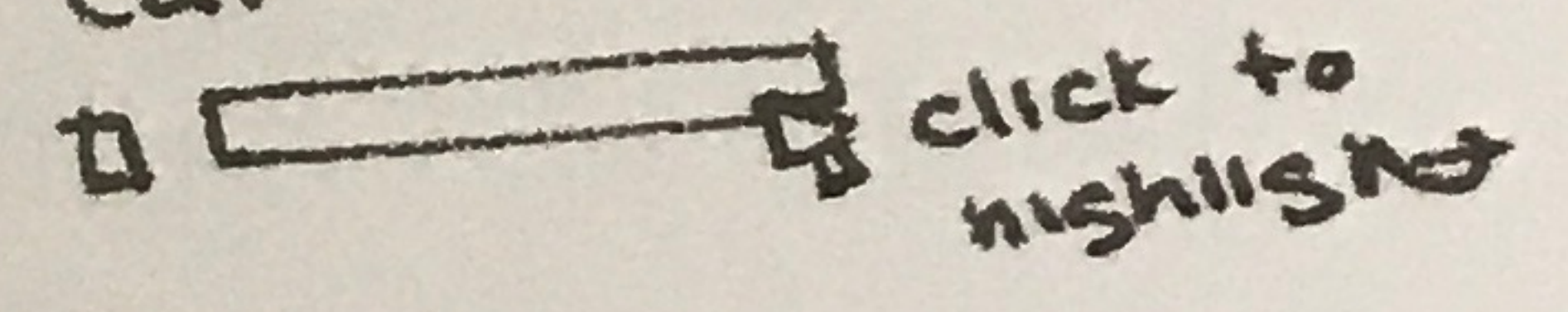
trend lines

zoom in to 2011-2013 data

13 Rec  
 DIS  
 Cat

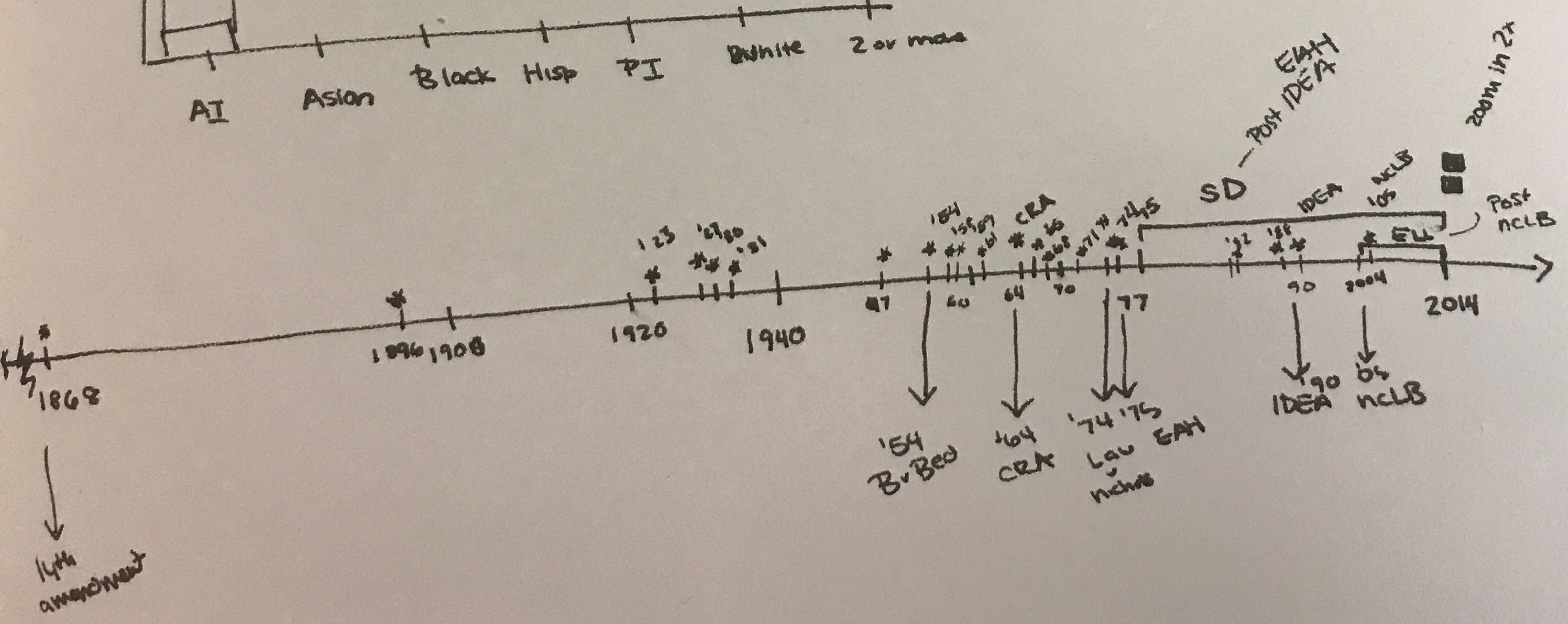
II

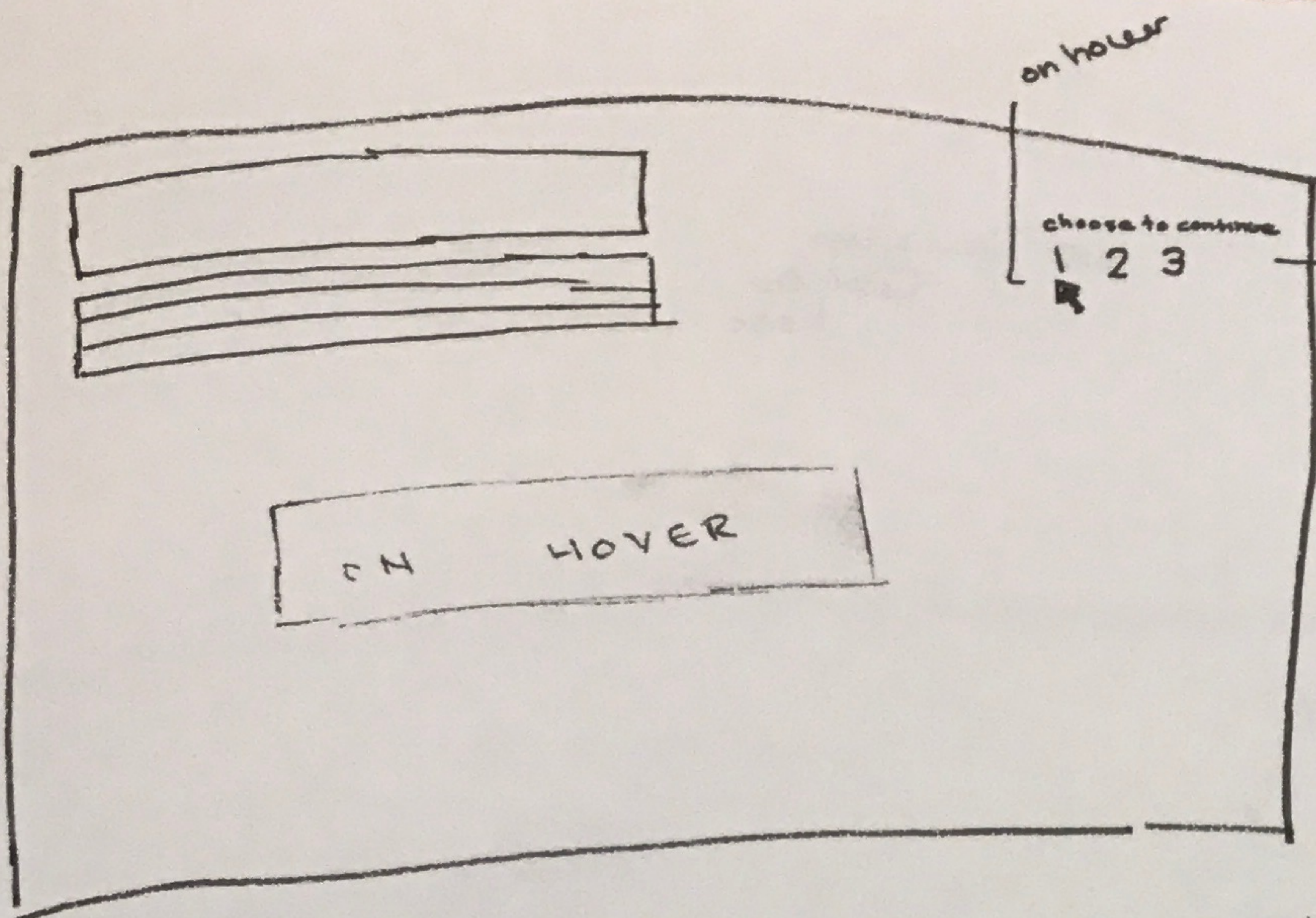
↓  
 instead of RACE



⇒ this is a snapshot from '13 to '14

{ does not give you any depth as to the history of how racialized this has been }





Change over Time.

navigation tools between three pages

{ unclear if between 3 options, this is the best.

1 ——— 2 ——— 3 timeline

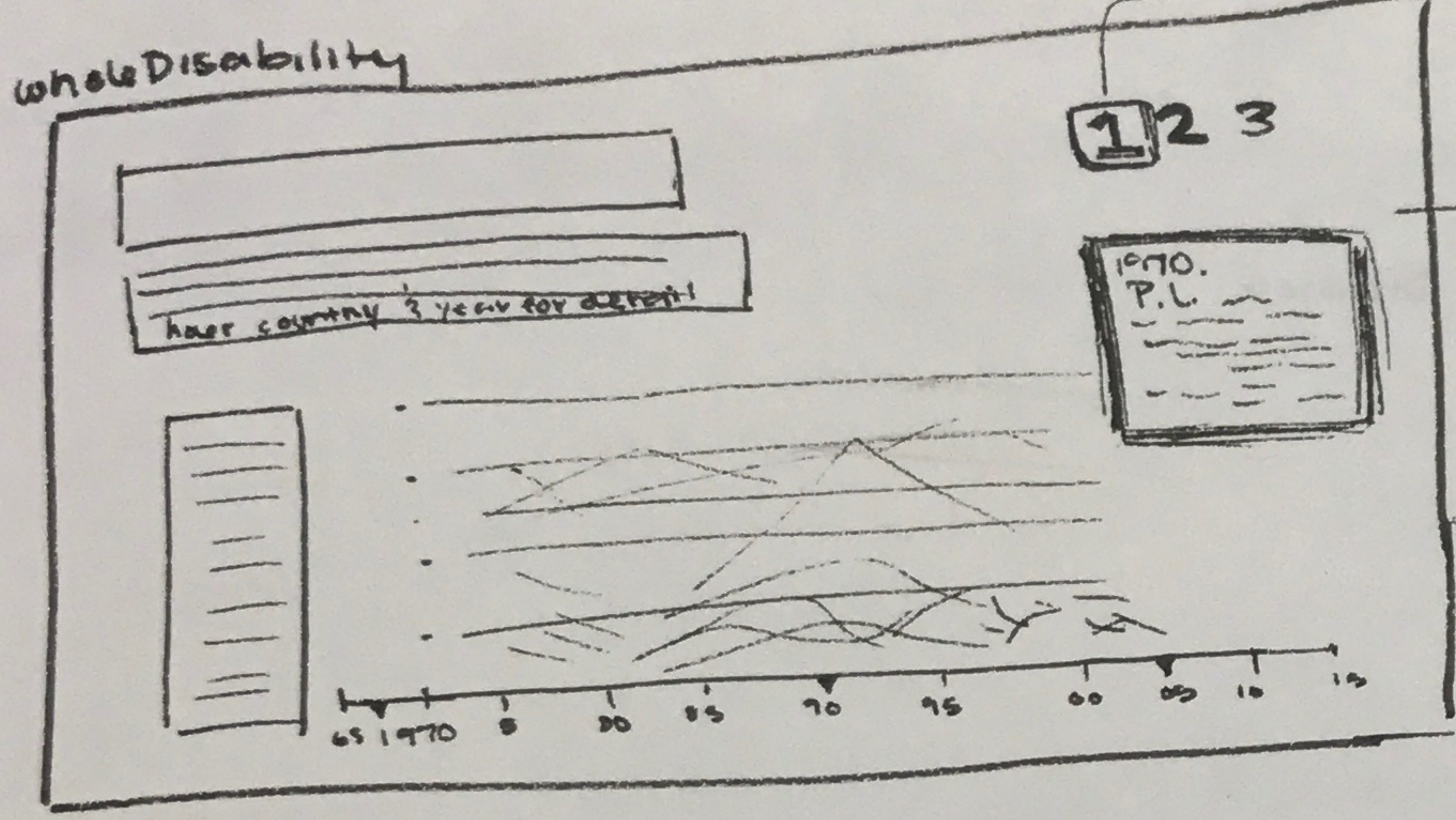
↓

SO MUCH TEXT

↓

fonts as visual imagery // engagement // friendliness

visual navigation if this is expanded to timeline (1) disability (2) ELL (3)

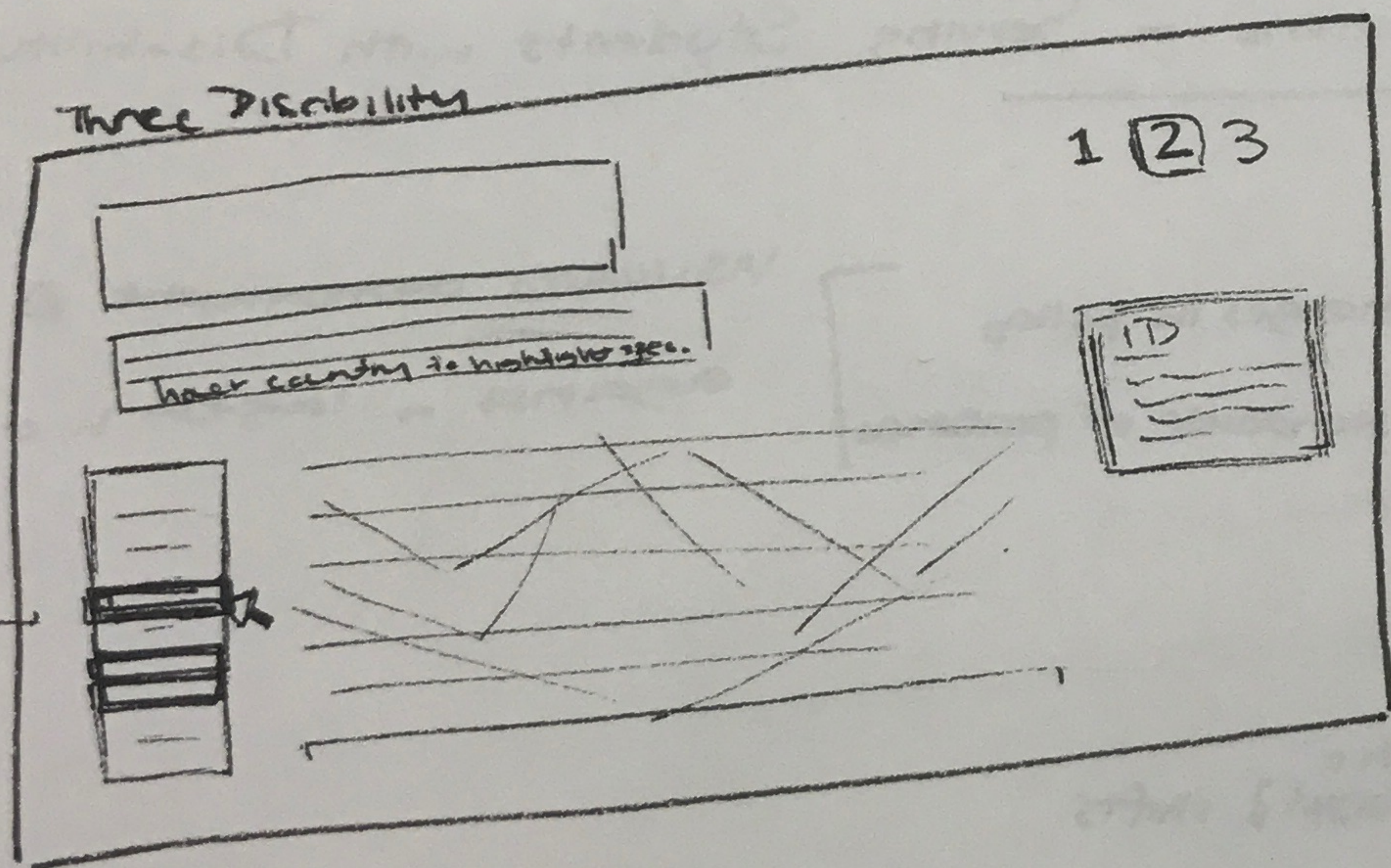
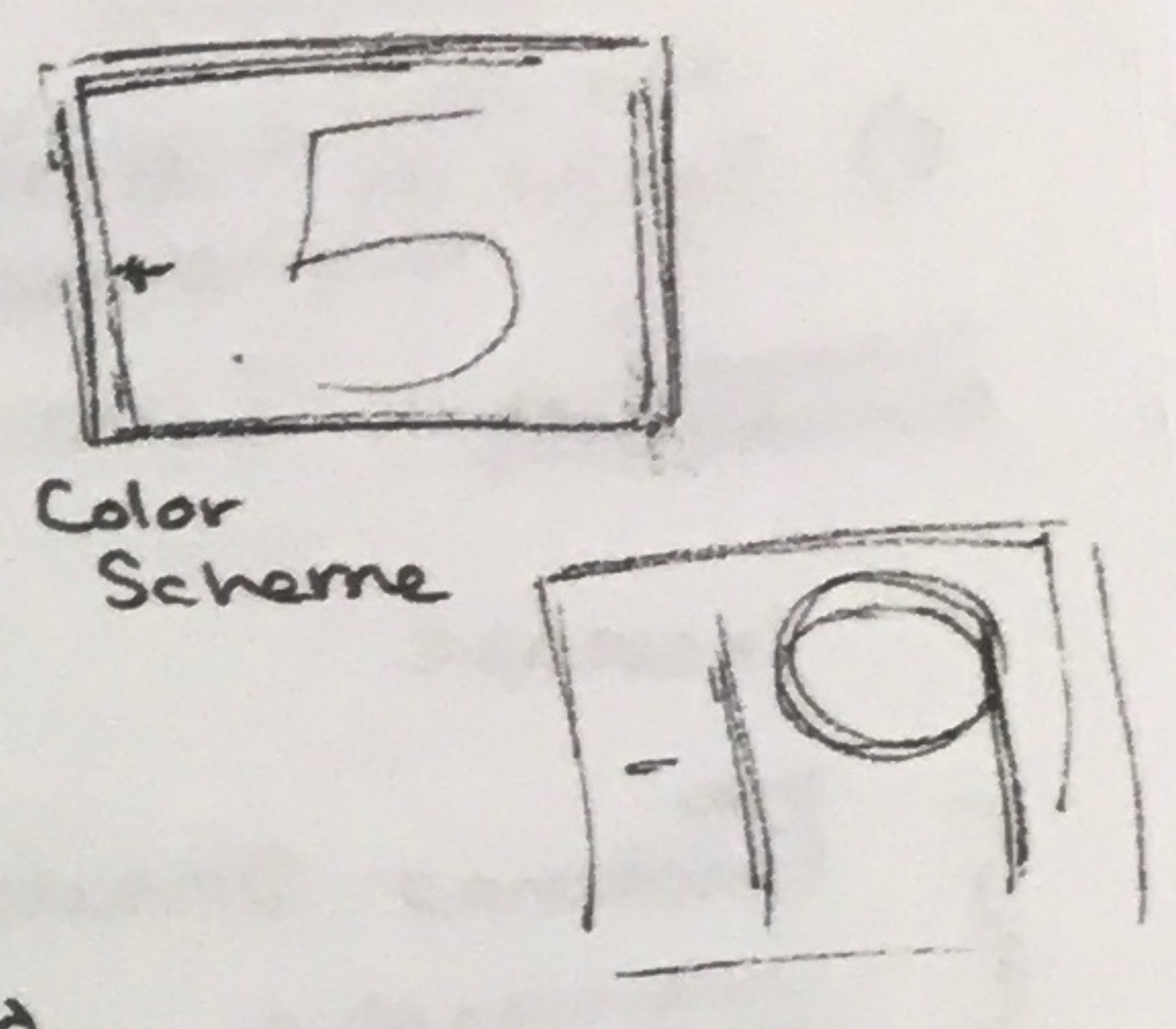


Initial nothing drawn, when hovered over country, goes from faint grey, to bold dark value with color ←

Color Scheme

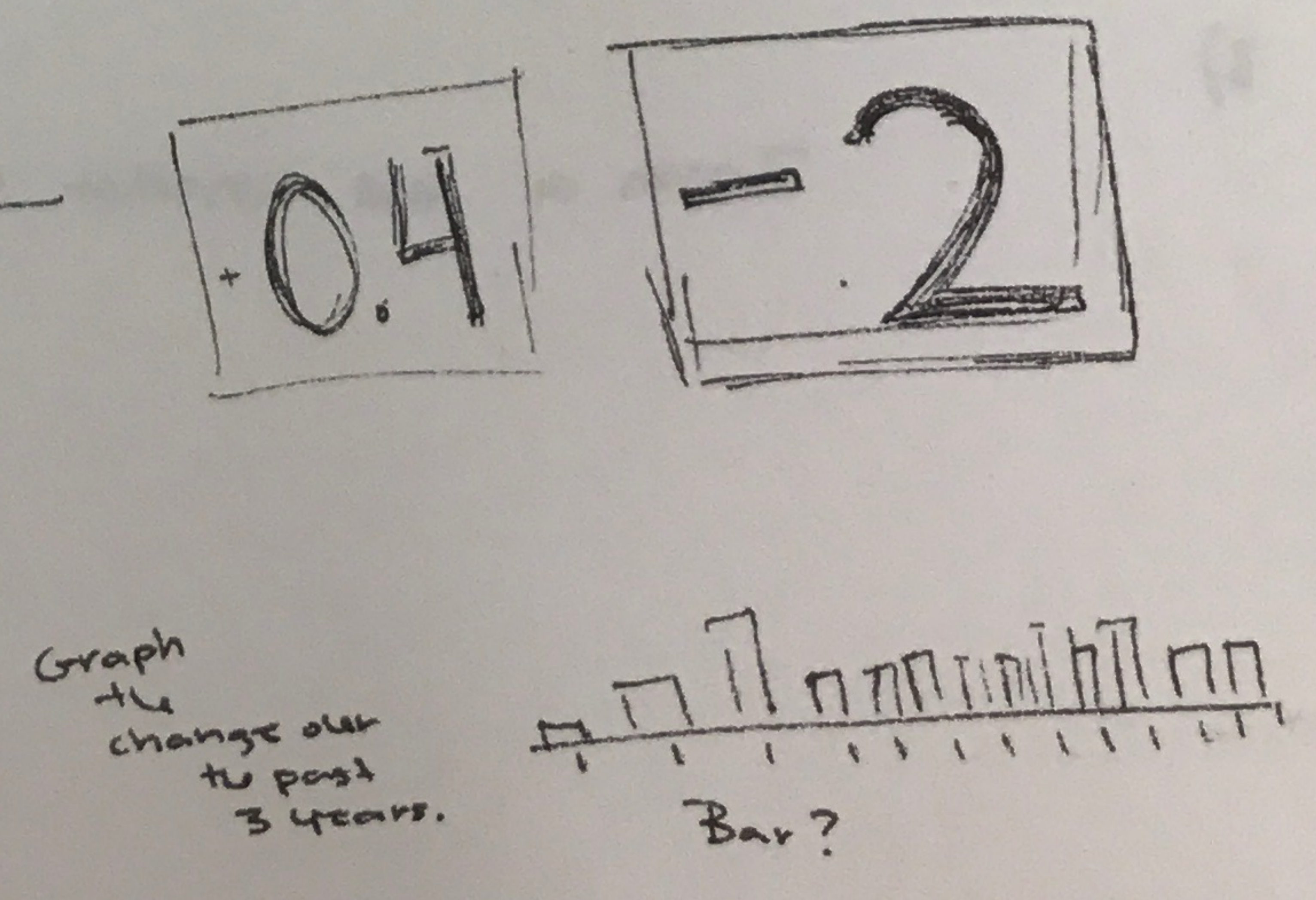
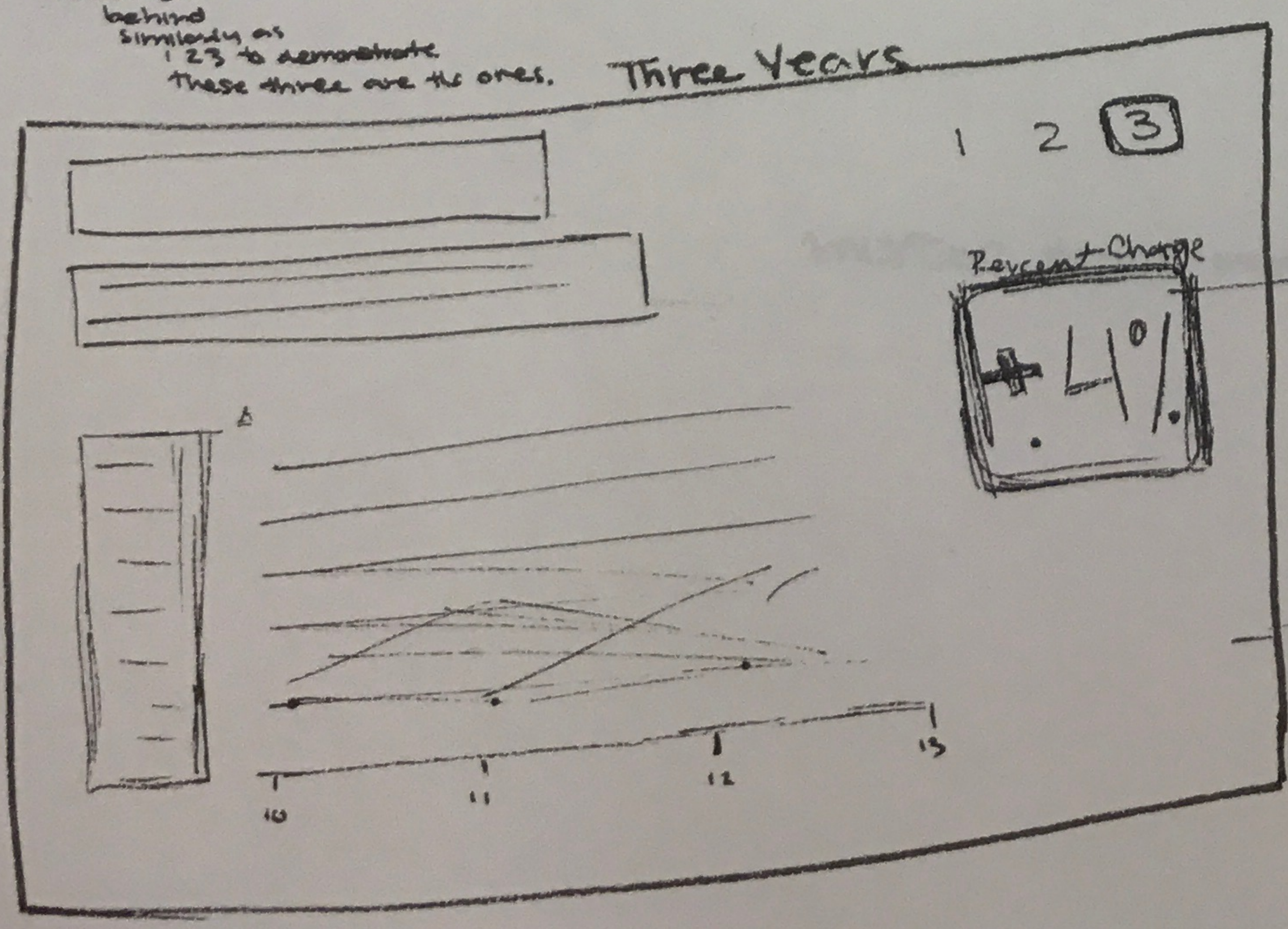
Timescale - context

▼ Years of context embedded.



Intellectual D. ⇒

Speech & Language Disability ⇒



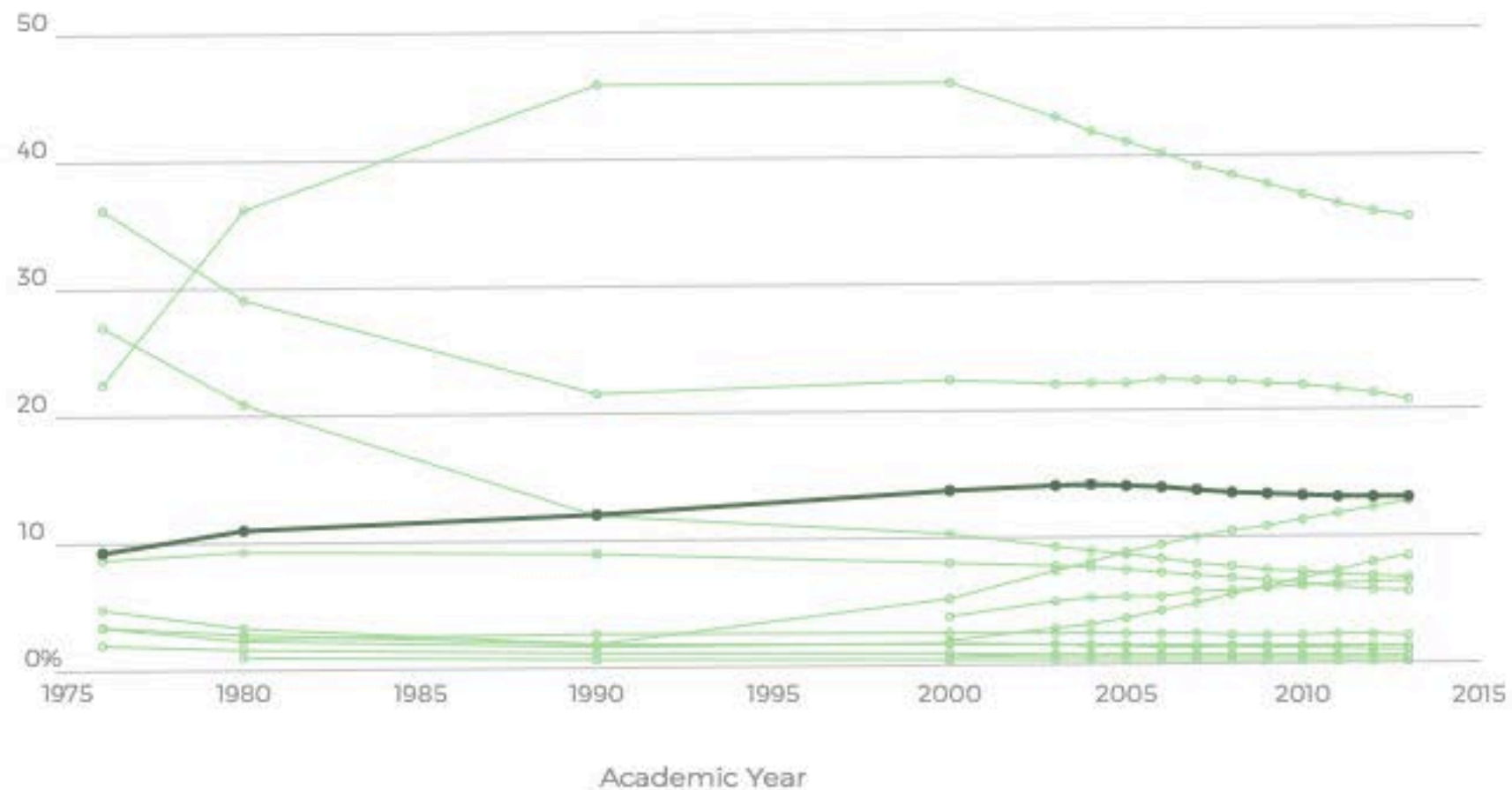
Graph to change over to past 3 years.

Bar?

# Transformations for Students with Disabilities

With a heightened focus on early intervention, community-based rehabilitation, definition and diagnosis, human rights, legislation and a particular stress on dinstitutionalization, the number of students served with varying disabilities has shifted.

1 2 3

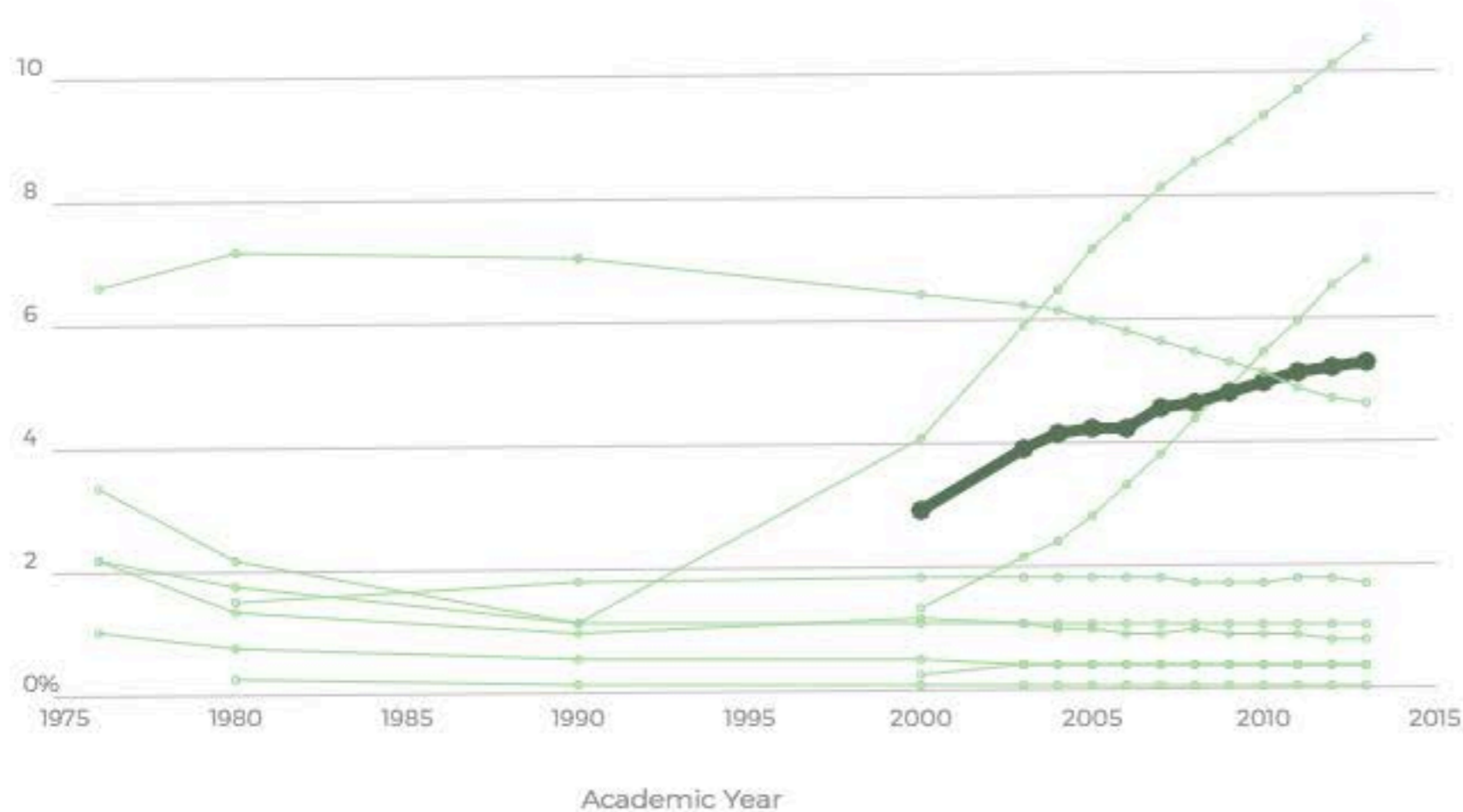


hover for detail

- Autism
- Deaf-Blindness
- Developmental Delay
- Emotional Disturbance
- Hearing Impairment
- Intellectual Disability
- Multiple Disabilities
- Orthopedic Impairment
- Other Health Impairment
- Preschool Disabled
- Learning Disability
- Speech|Language Impairment
- Traumatic Brain Injury
- Visual Impairment
- Student Disability :: Total Population

# Transformations for Students with Disabilities

With a closer look, rates of Autism and Other Health Impairments have drastically increased.



1 2 3

2.9 %Δ

- Autism
- Deaf-Blindness
- Developmental Delay**
- Emotional Disturbance
- Hearing Impairment
- Multiple Disabilities
- Orthopedic Impairment
- Other Health Impairment
- Preschool Disabled
- Traumatic Brain Injury
- Visual Impairment

Impacted by an increasing body of literature, research, and practice, programs regarding early intervention, screening and providing support, this increase also occurred with a particular distinction made between the category Developmental Delay and Intellectual Disability.

# Transformations for Students with Disabilities

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The United States holds a disturbing past regarding individuals with disabilities. For the first time in US history, public education institutions were forced to confront their ableist practices not only by admitting students regardless of ability level, but by also meeting individual needs.

Choose to begin

**Historical Trends**

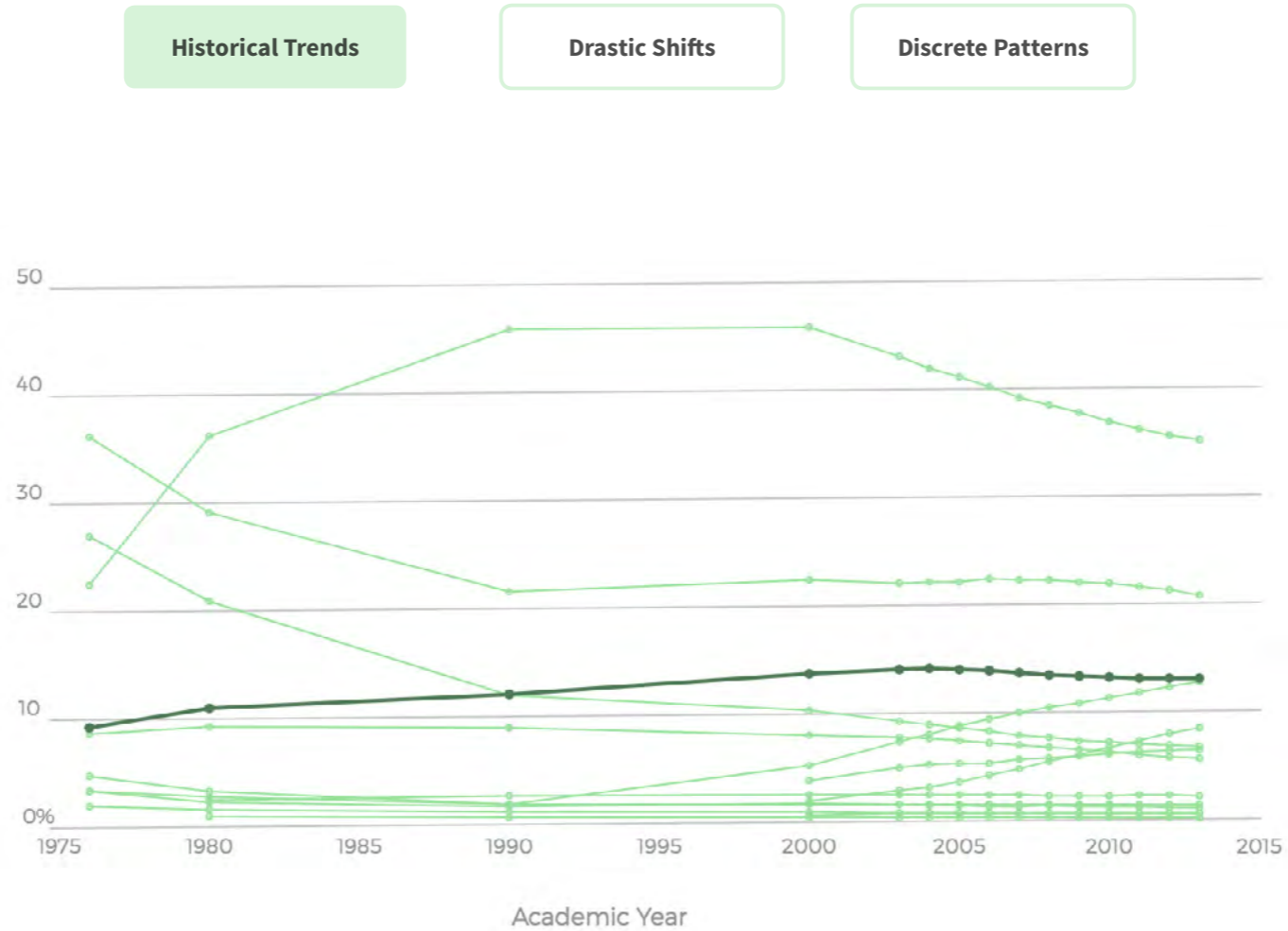
**Drastic Shifts**

**Discrete Patterns**

## Transformations for Students with Disabilities

With a heightened focus on early intervention, community-based rehabilitation, definition and diagnosis, human rights, legislation and a particular stress on dinstitutionalization, the number of students served with varying disabilities has shifted.

[About the Data](#)



### Student Disability (Total Population)

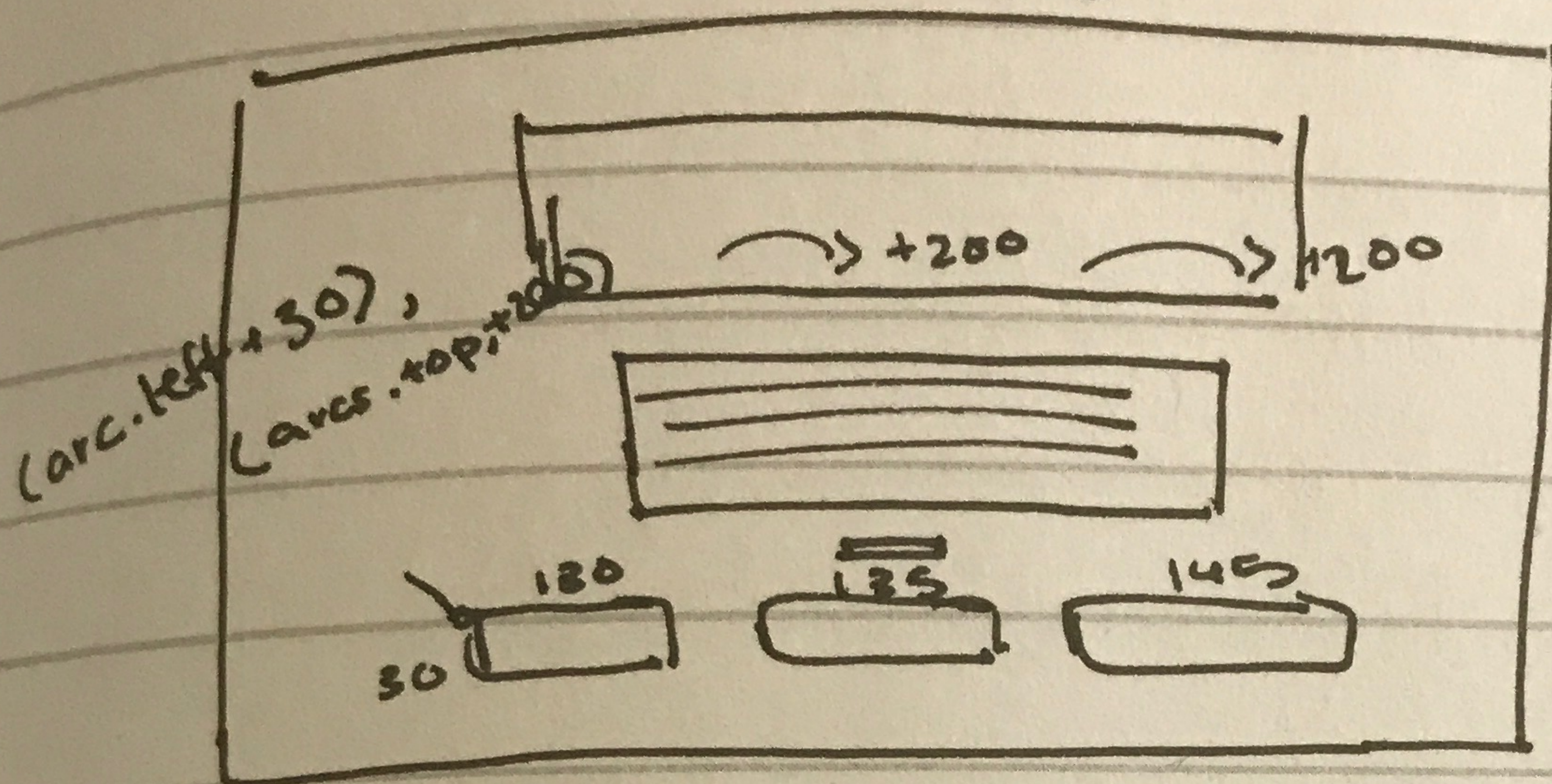
- Autism
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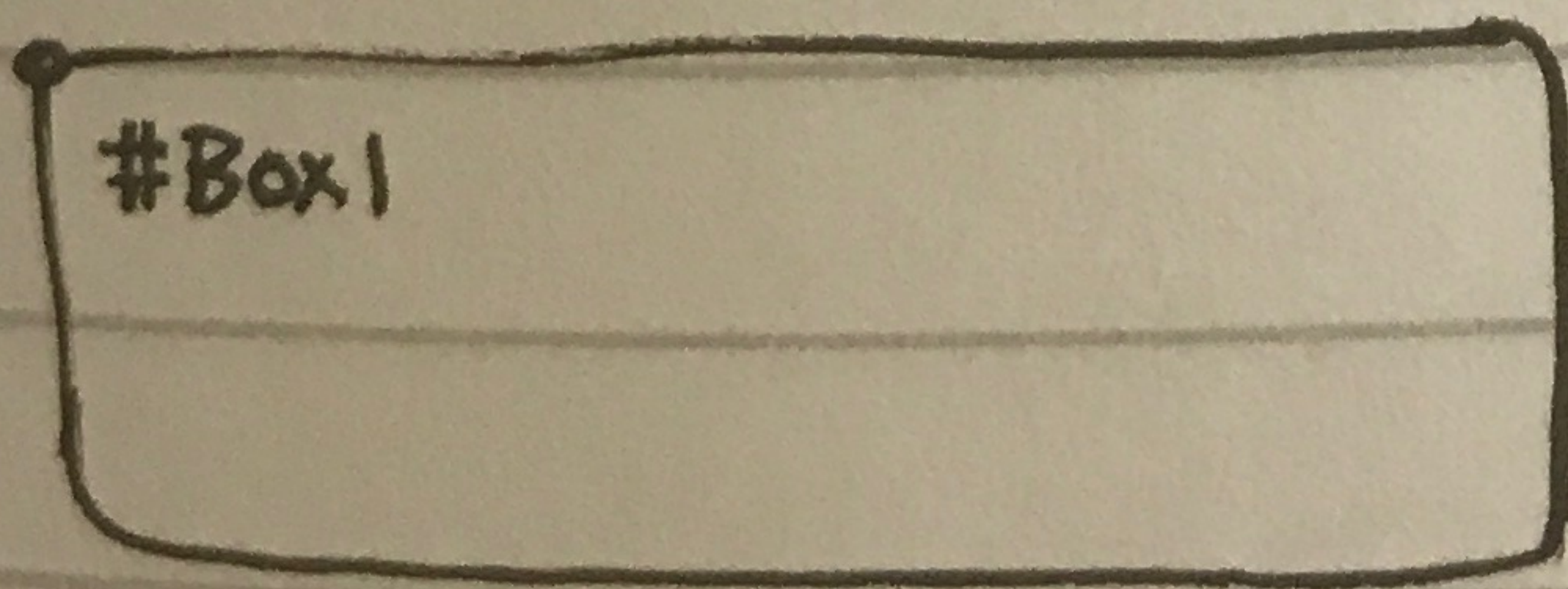
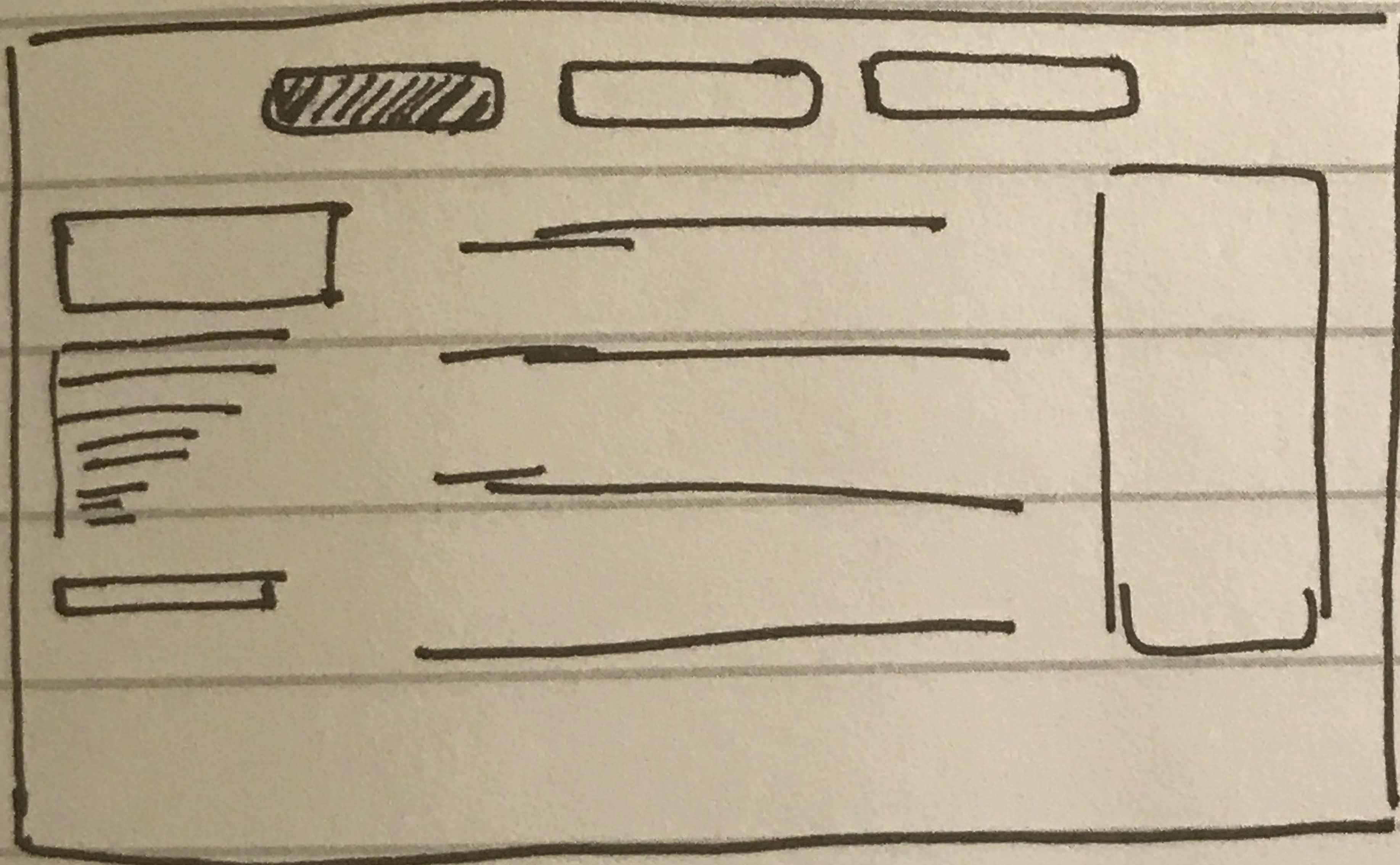
715 + 350

1	2	3
1067	1093	1119

± 8



No hover



var box1x → arcs.left + 300 ⇒ SoftFloat  
 box1y → arcs.top + 200  
 box1width → 130  
 box1length → 30  
 box1text → 13