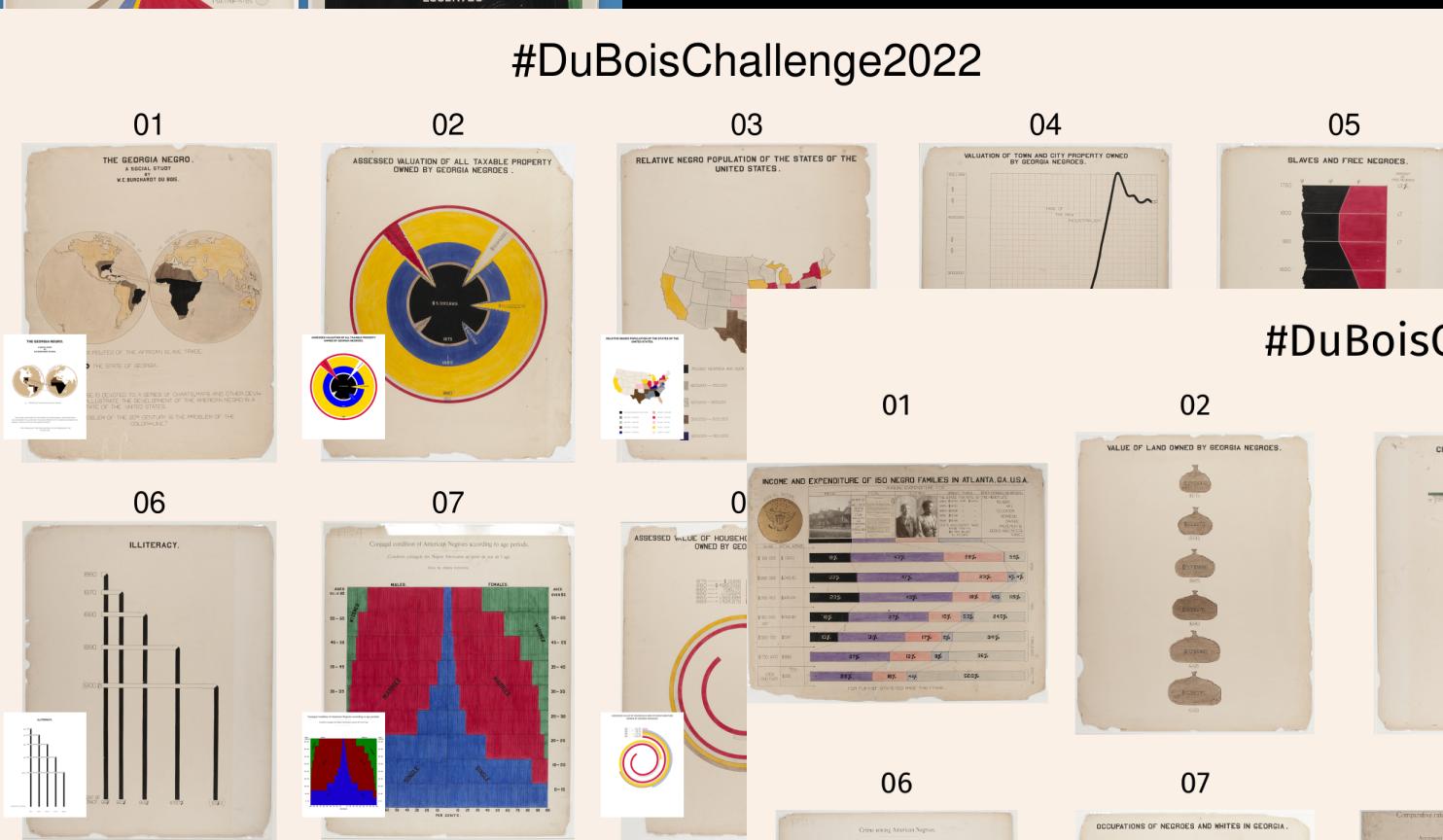


# #DuBoisChallenge 2021-2025



#DuBoisChallenge2022

2021



2022

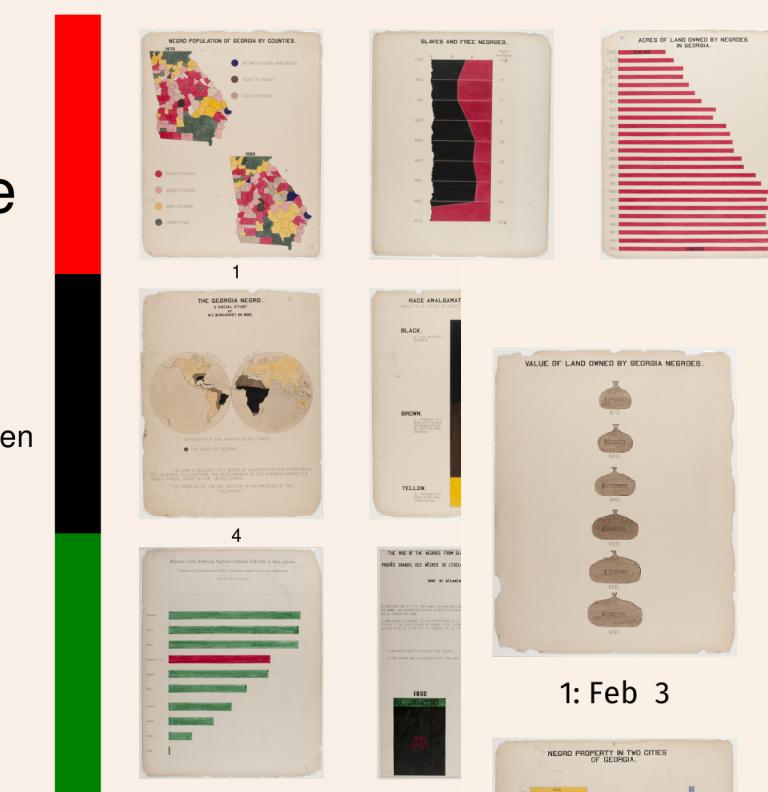
#DuBoisChallenge2023



2023

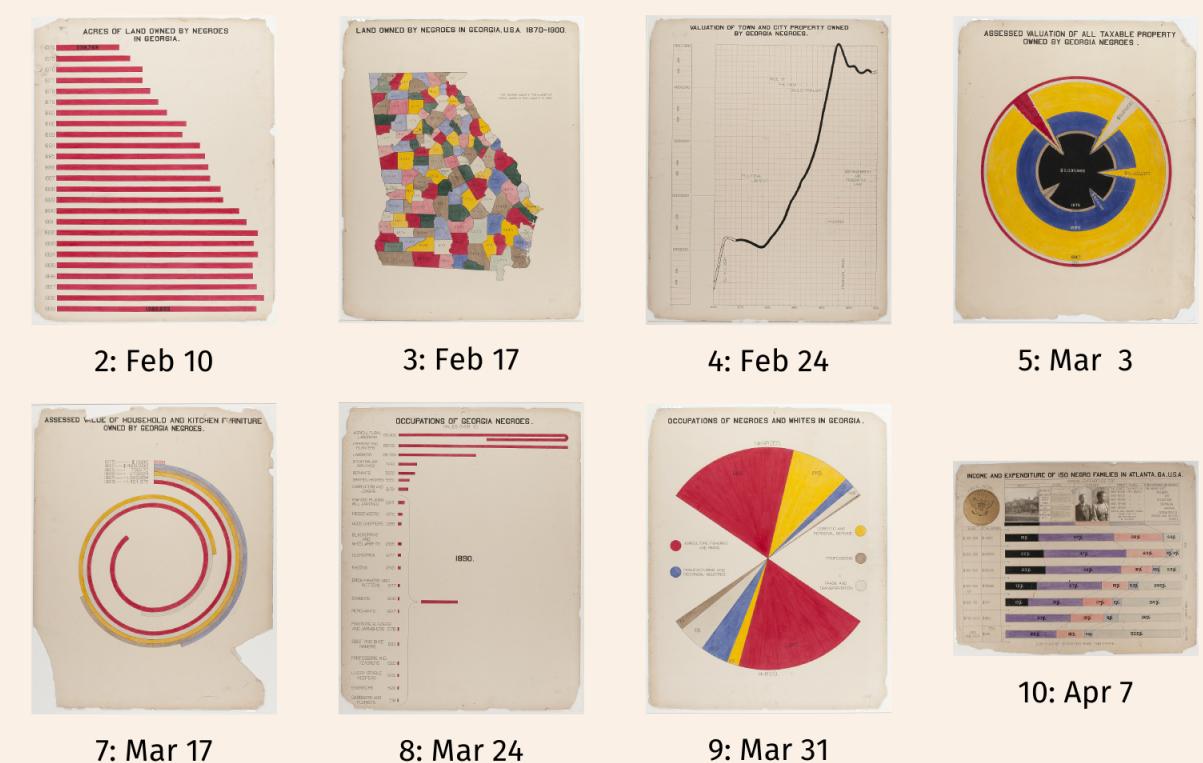
Du Bois  
Challenge  
2024

Red, Black, and Green



2024

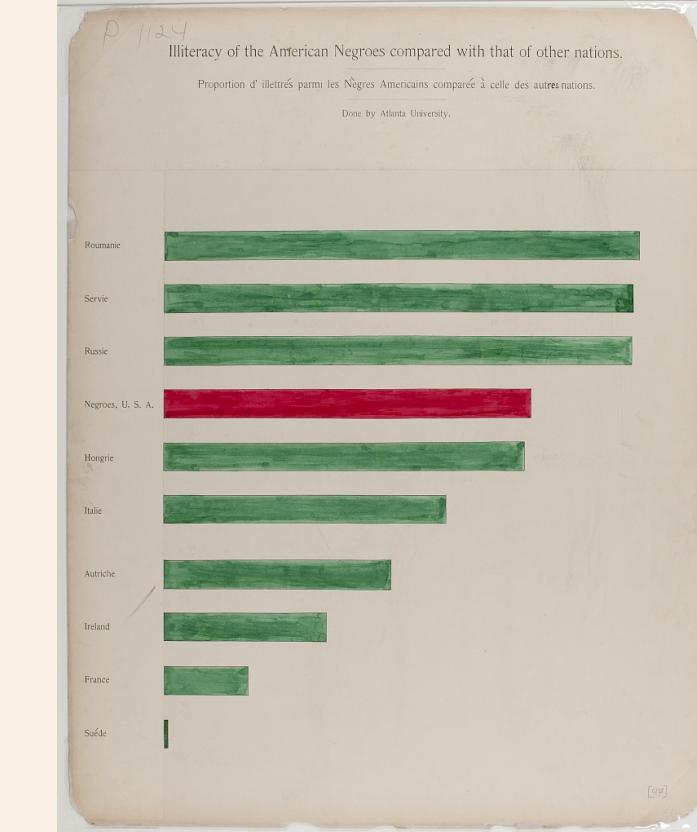
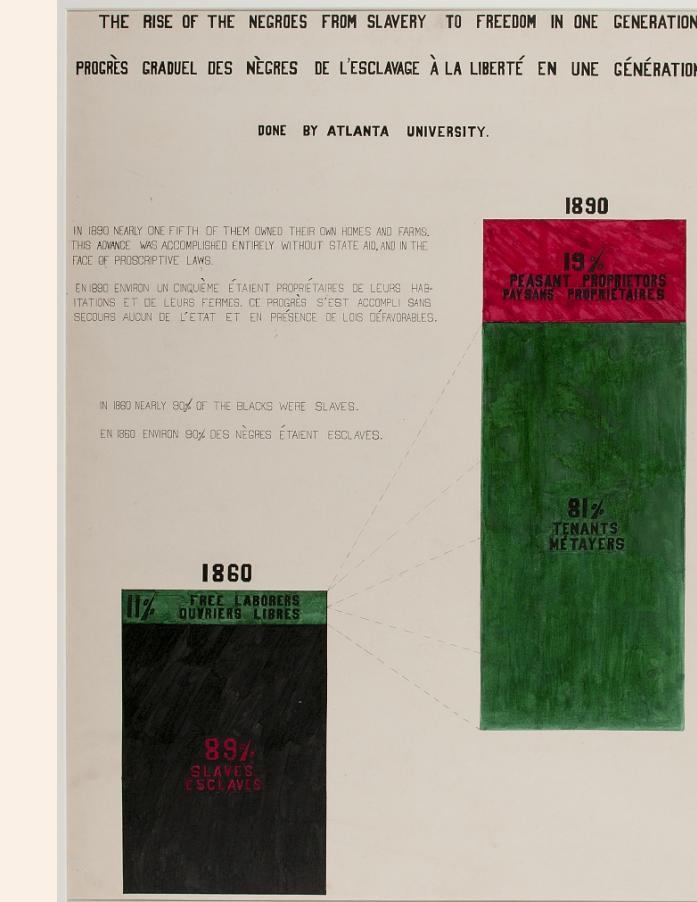
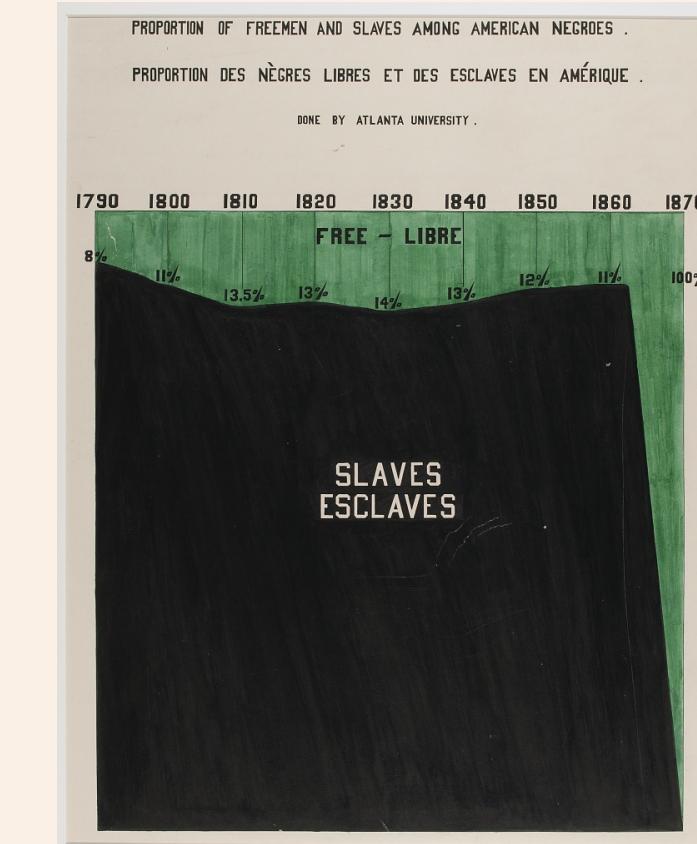
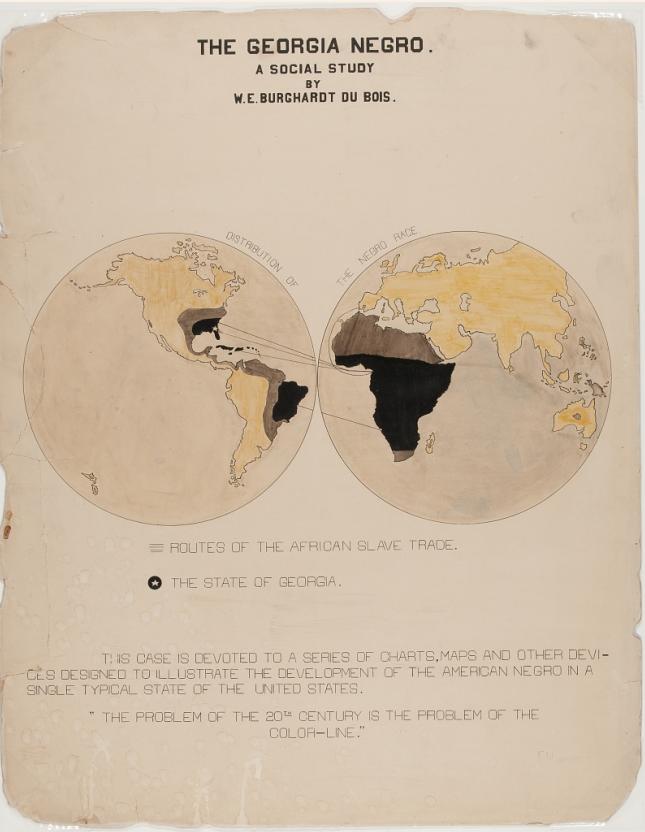
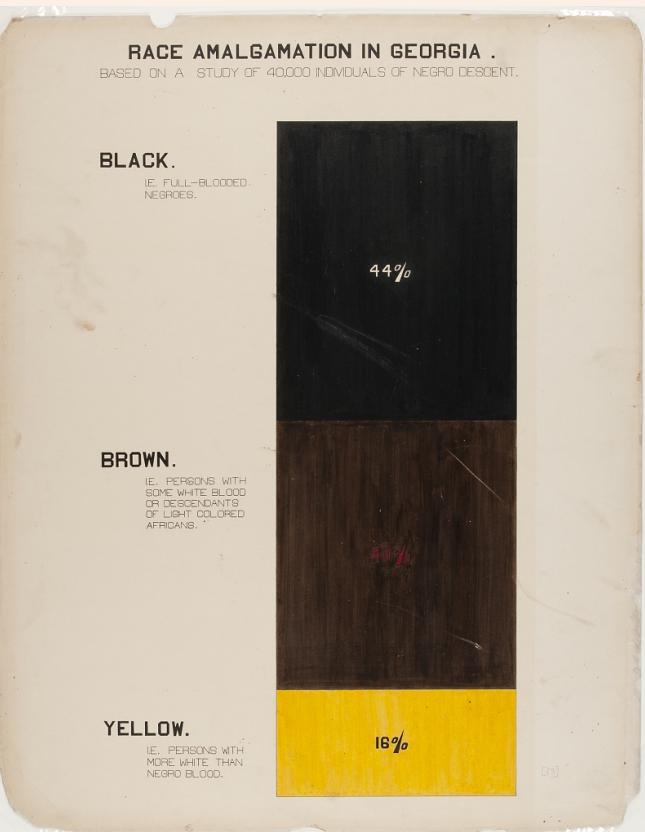
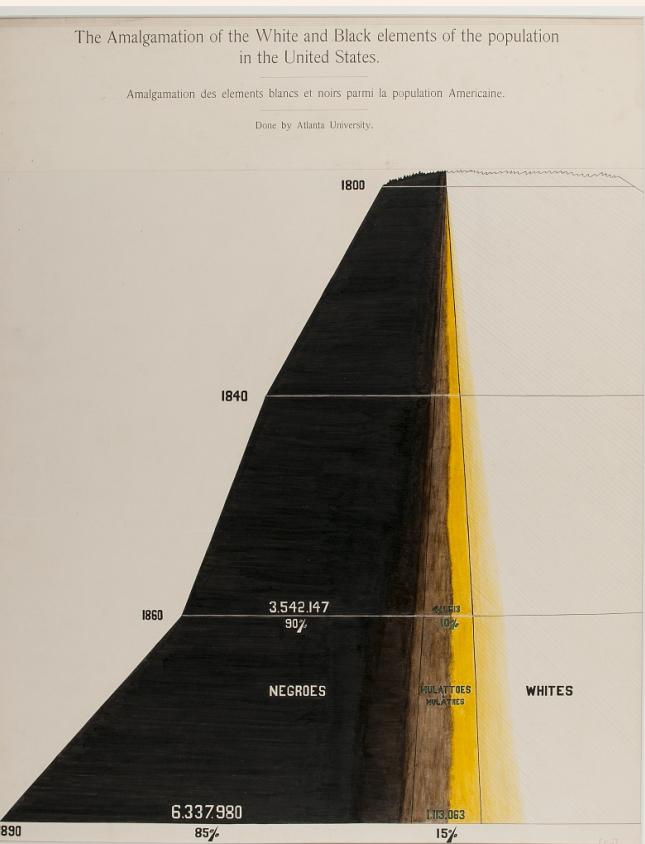
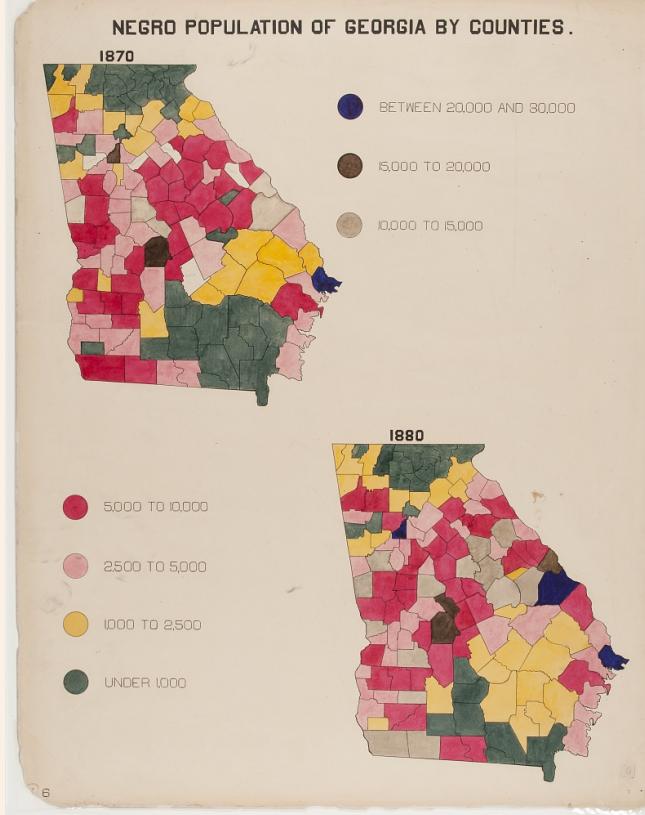
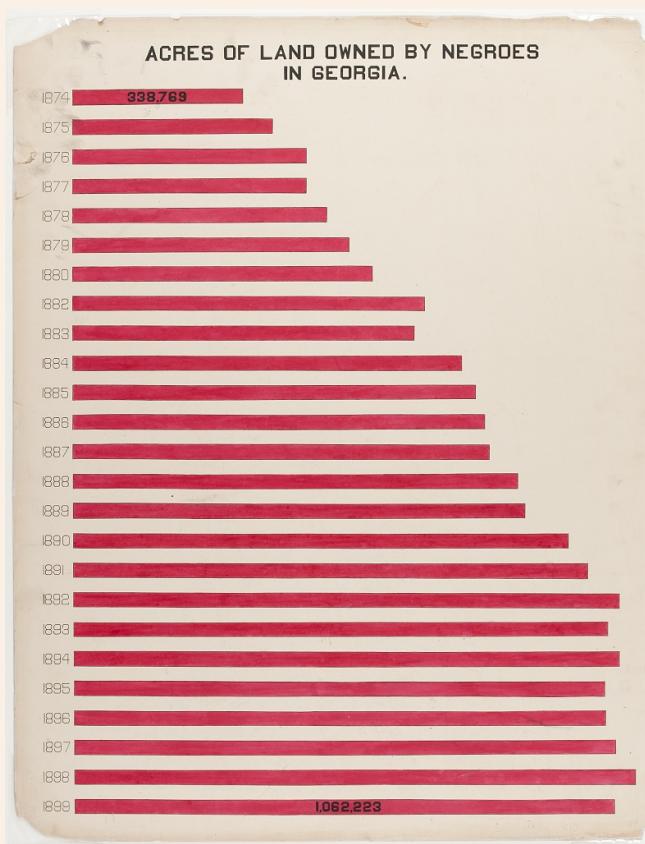
The Du Bois Challenge 2025: Economics



2025

Anthony Starks/@ajstarks

# Du Bois Challenge 2024



# In 1900, it began with them...

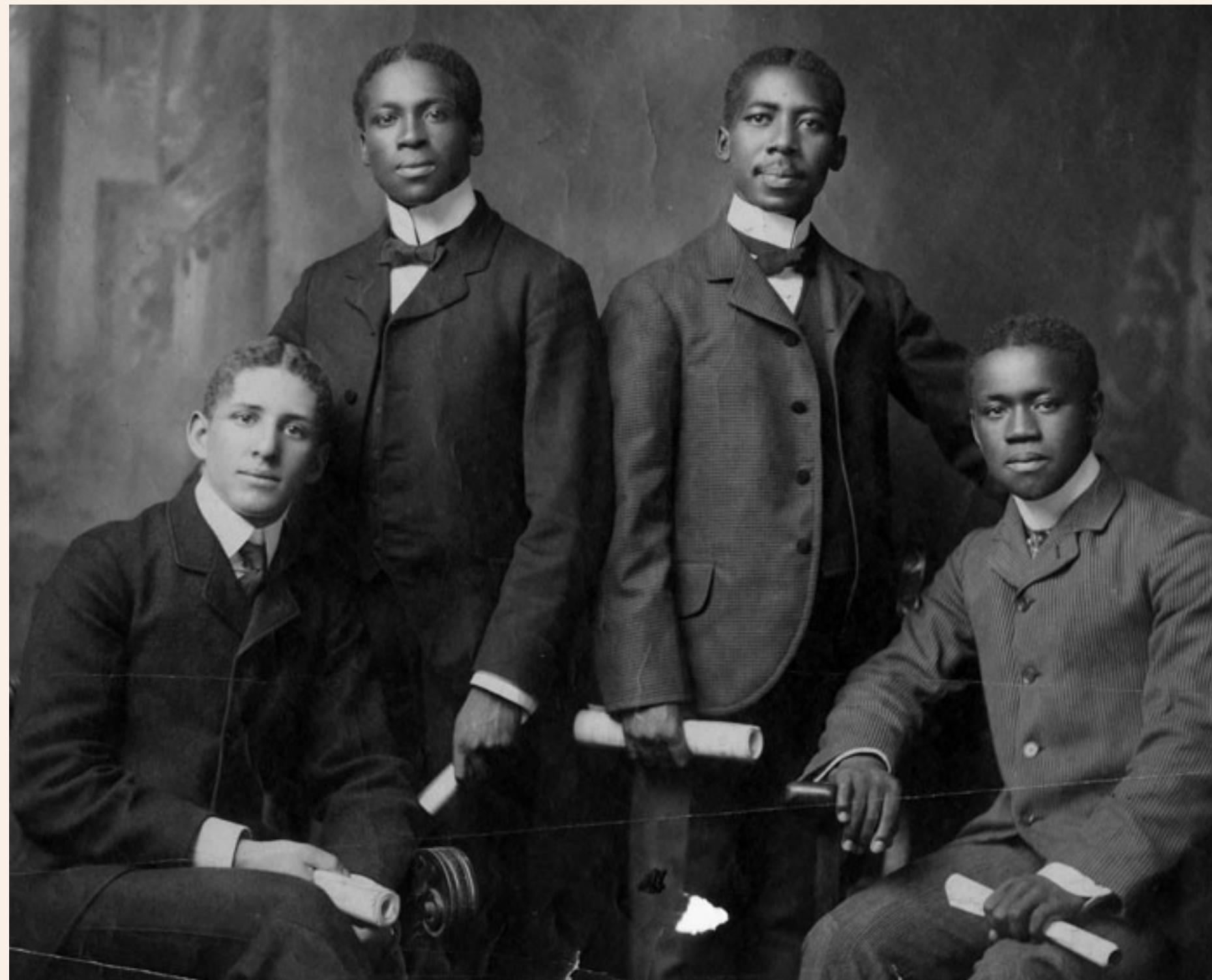


Thomas J. Calloway



Du Bois in Paris

# ...and Atlanta University

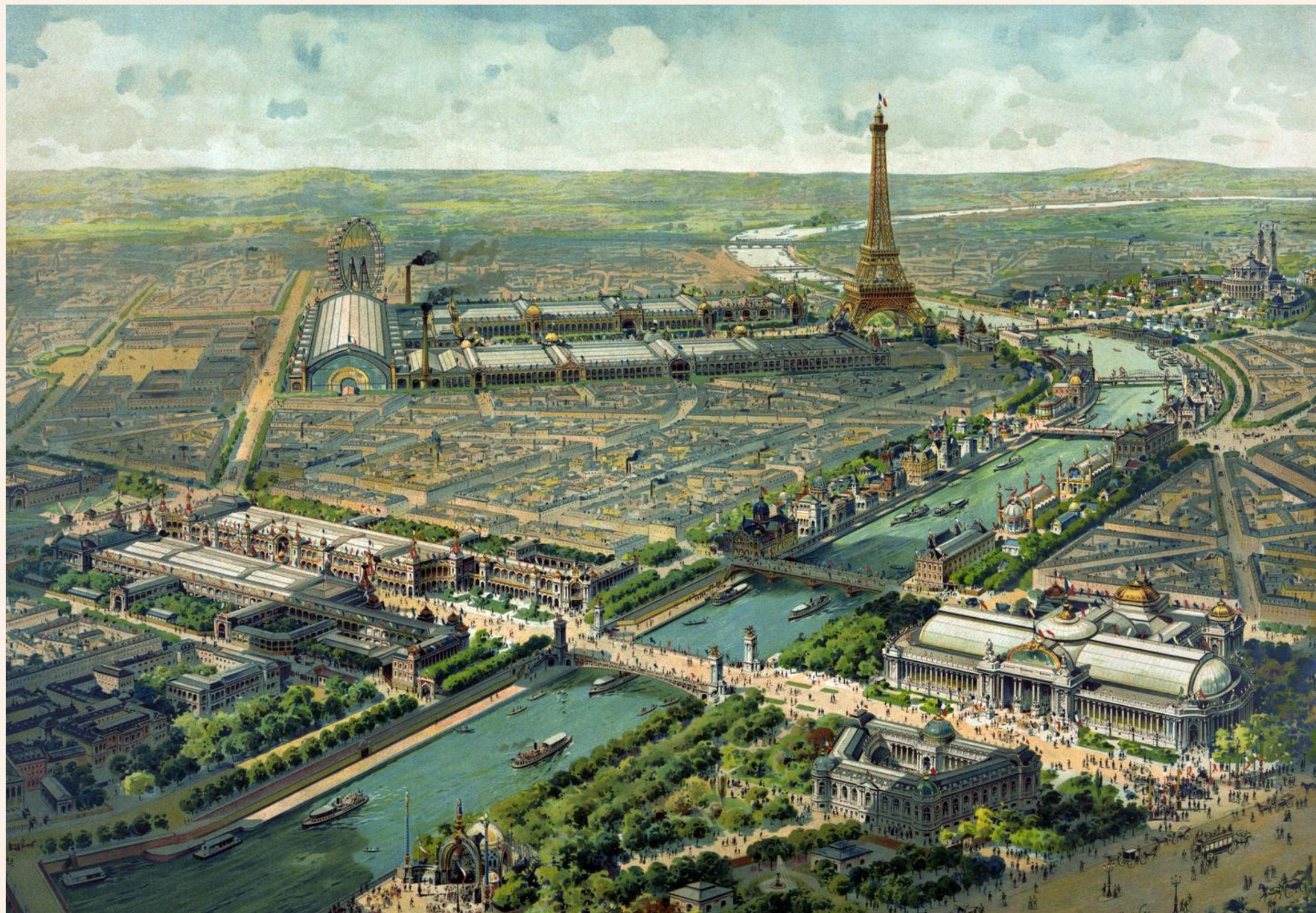
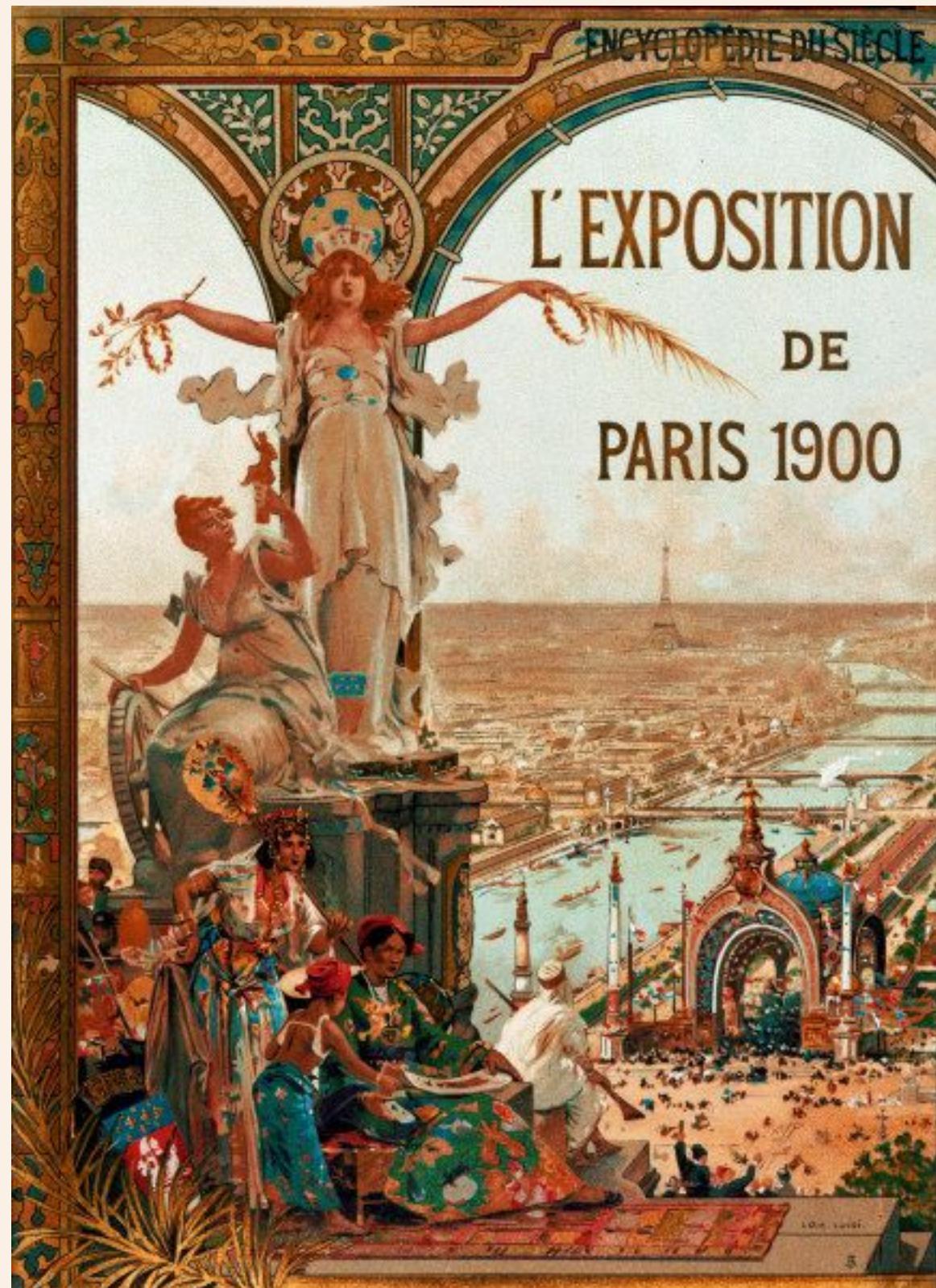


Atlanta University Debating Team, c. 1900



Women seated on steps at Atlanta University c. 1900

# Paris 1900



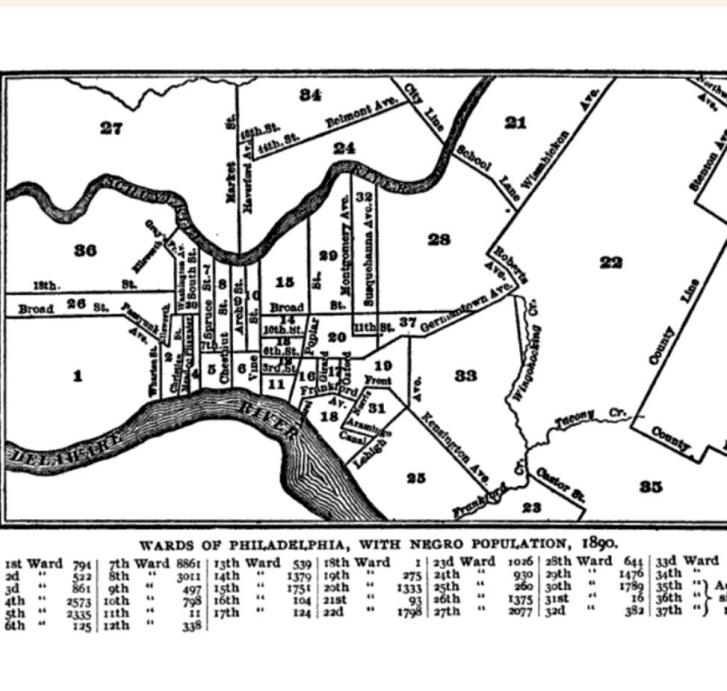
# Historical Context



“Black America” Fair

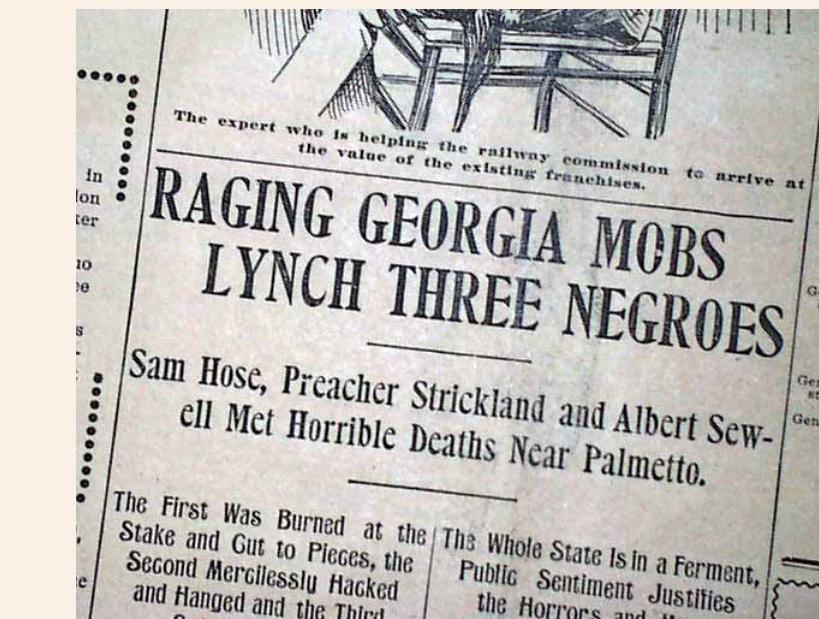


Plessy v. Ferguson



Phila. Negro begins

**A WHITE MAN'S DAY.**  
Eight to Ten Thousand People Out.  
**TILLMAN MAKES A GREAT SPEECH FOR DEMOCRACY**  
Yesterday was a great day for Fayetteville and all this Cape Fear country. It was the occasion of the speaking in behalf of the restoration of white rule in North Carolina by Senator Ben R. Tillman, the Liberator of South Carolina.



Wilmington Overthrow

Lynchings Peak



Paris Exposition

1895

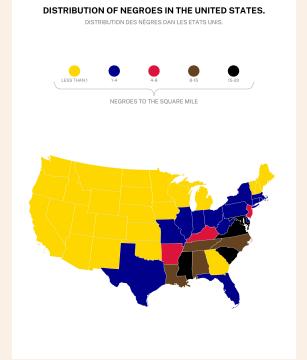
1896

1897

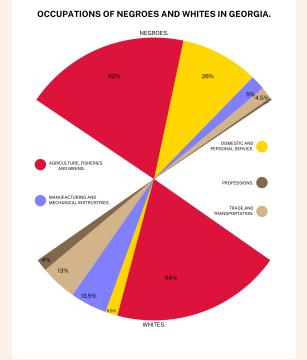
1898

1899

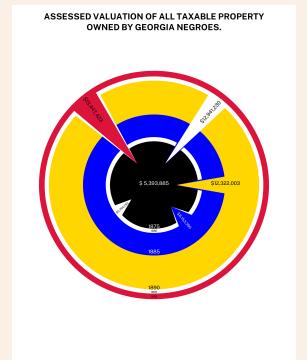
1900



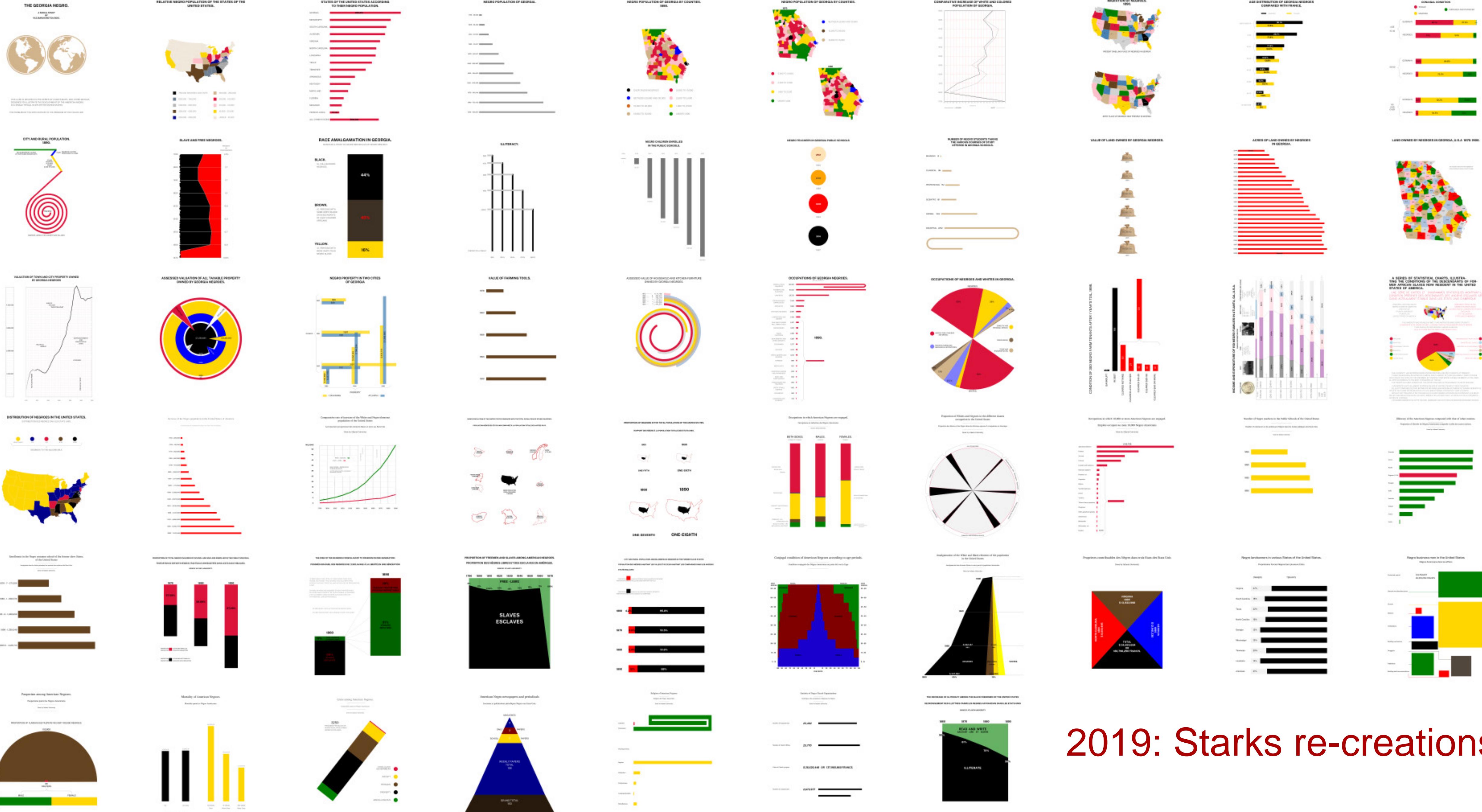
# We are here



# This is who we are



# This is how far we have come



# 2019: Starks re-creations

# In 2021, it began with them



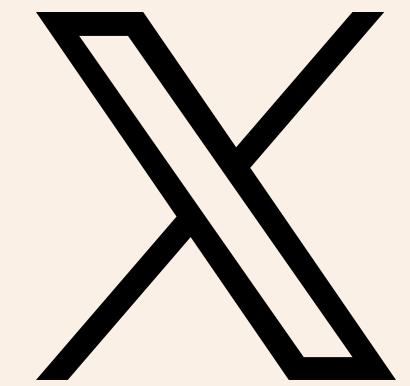
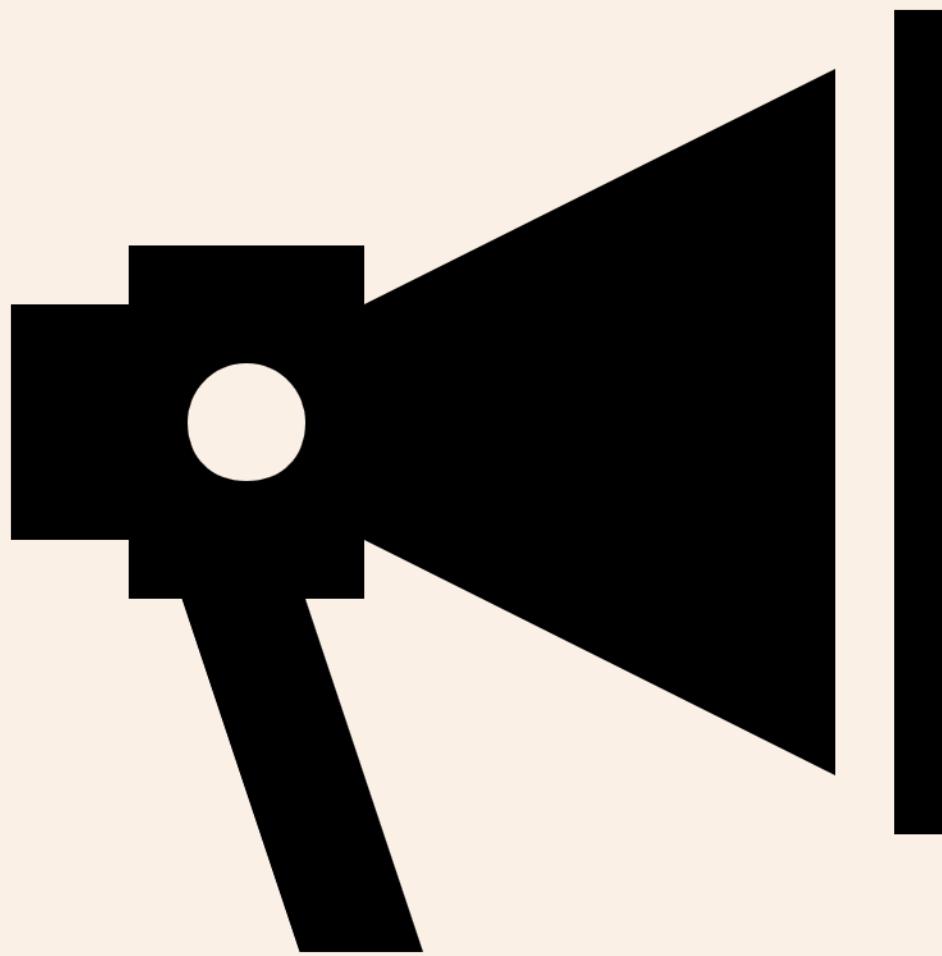
Allen Hillery (@AlDataVizGuy)



Sekou Tyler (@sqlsekou)

# Now: Modern Megaphone

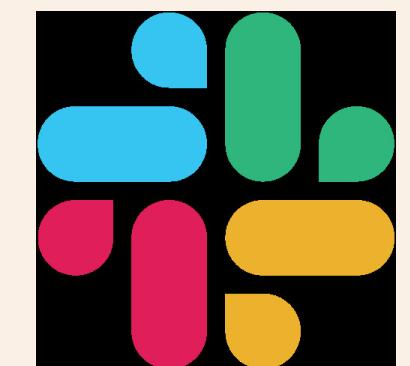
Your Message



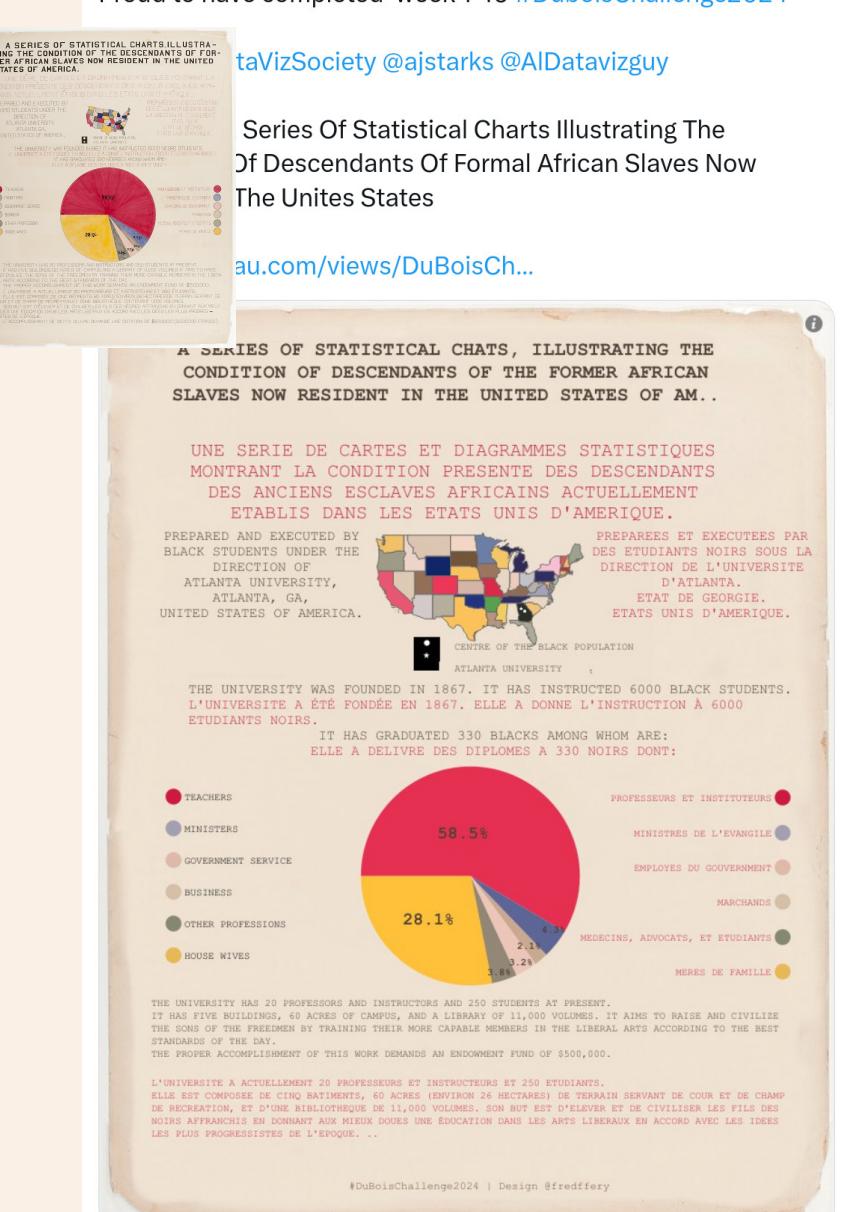
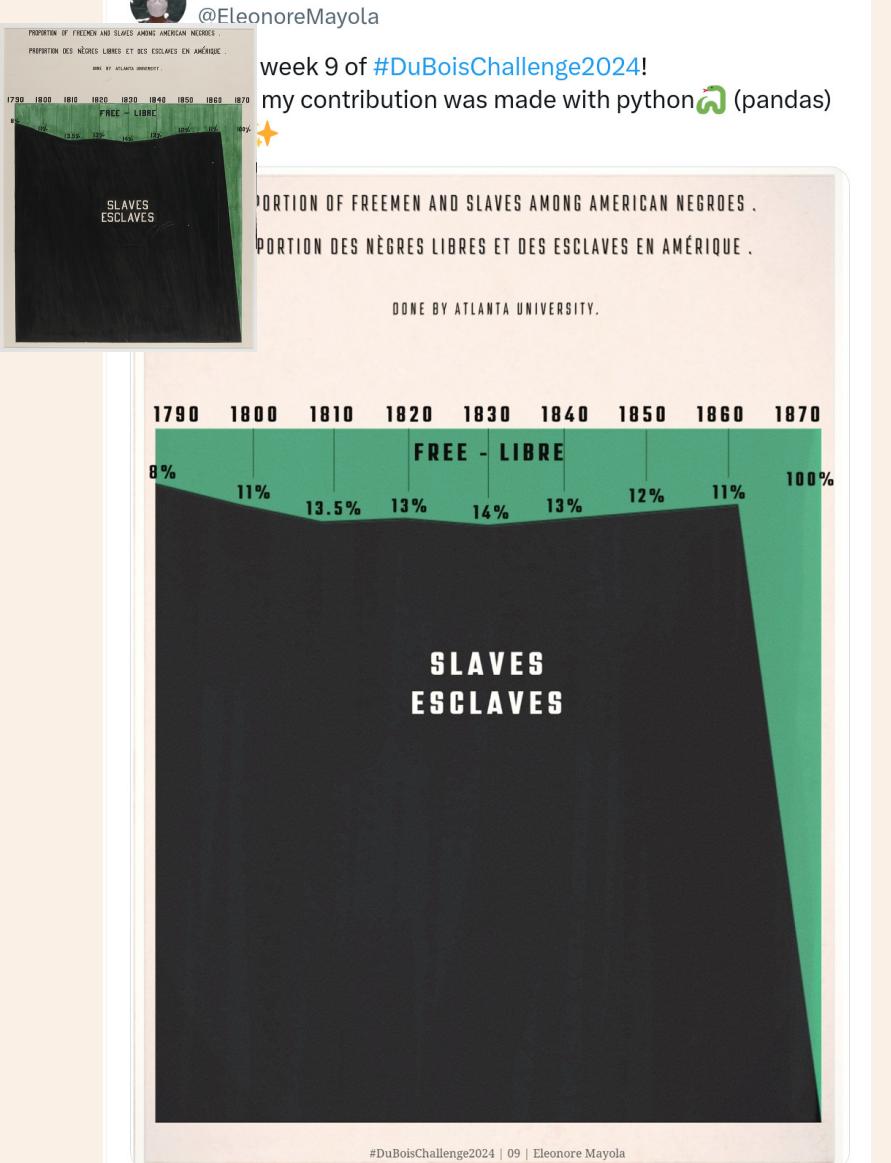
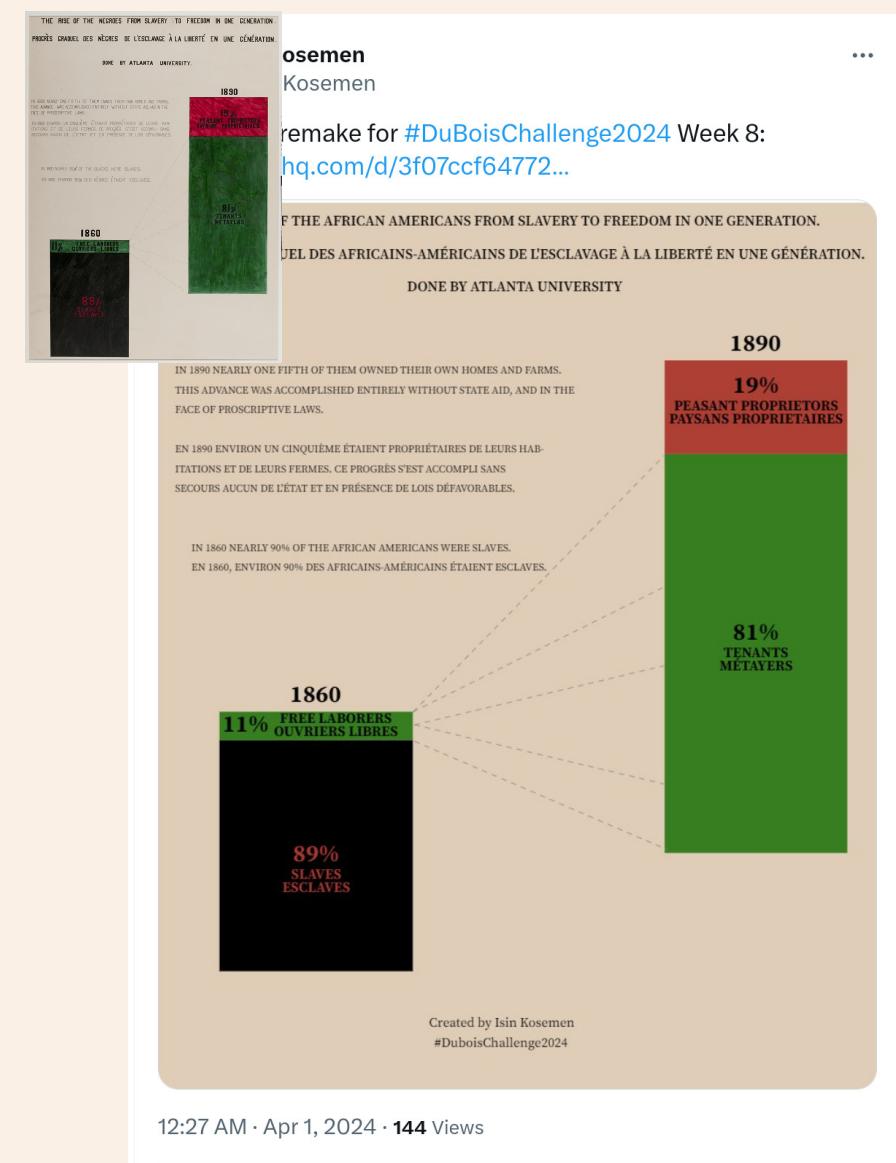
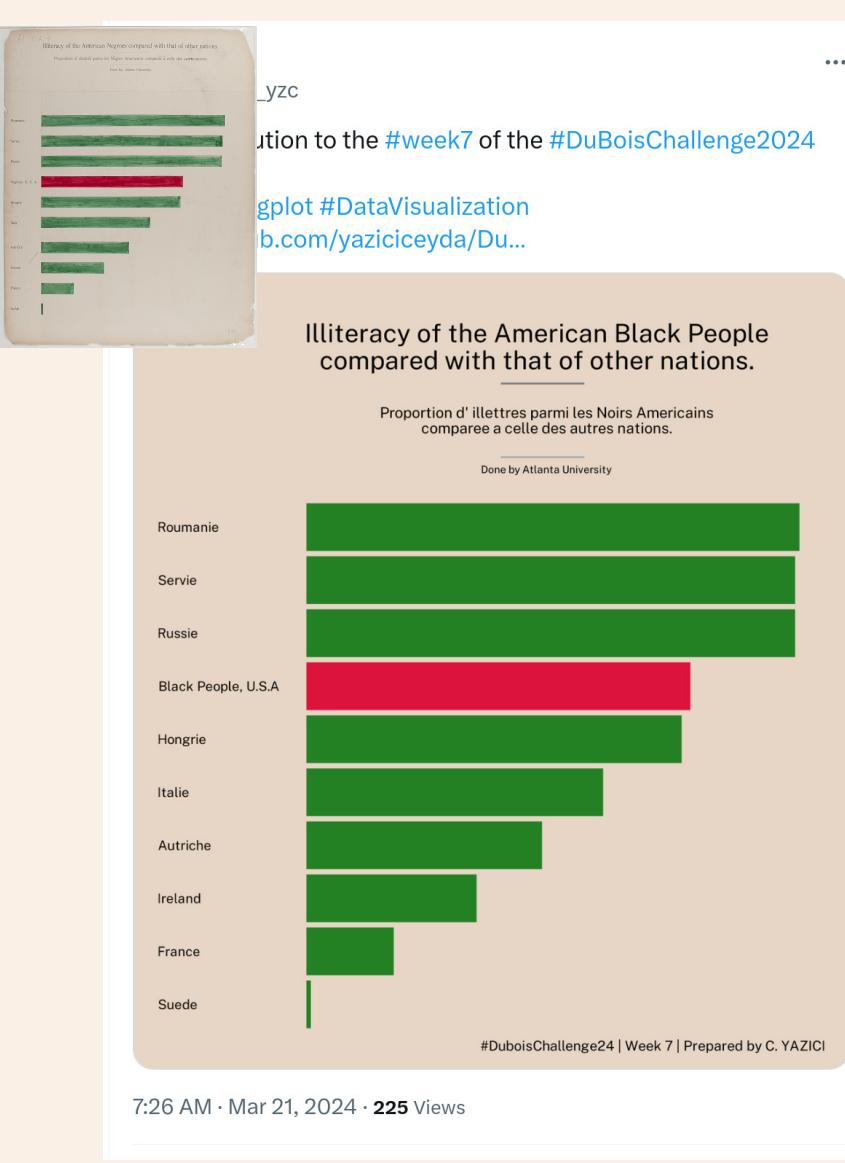
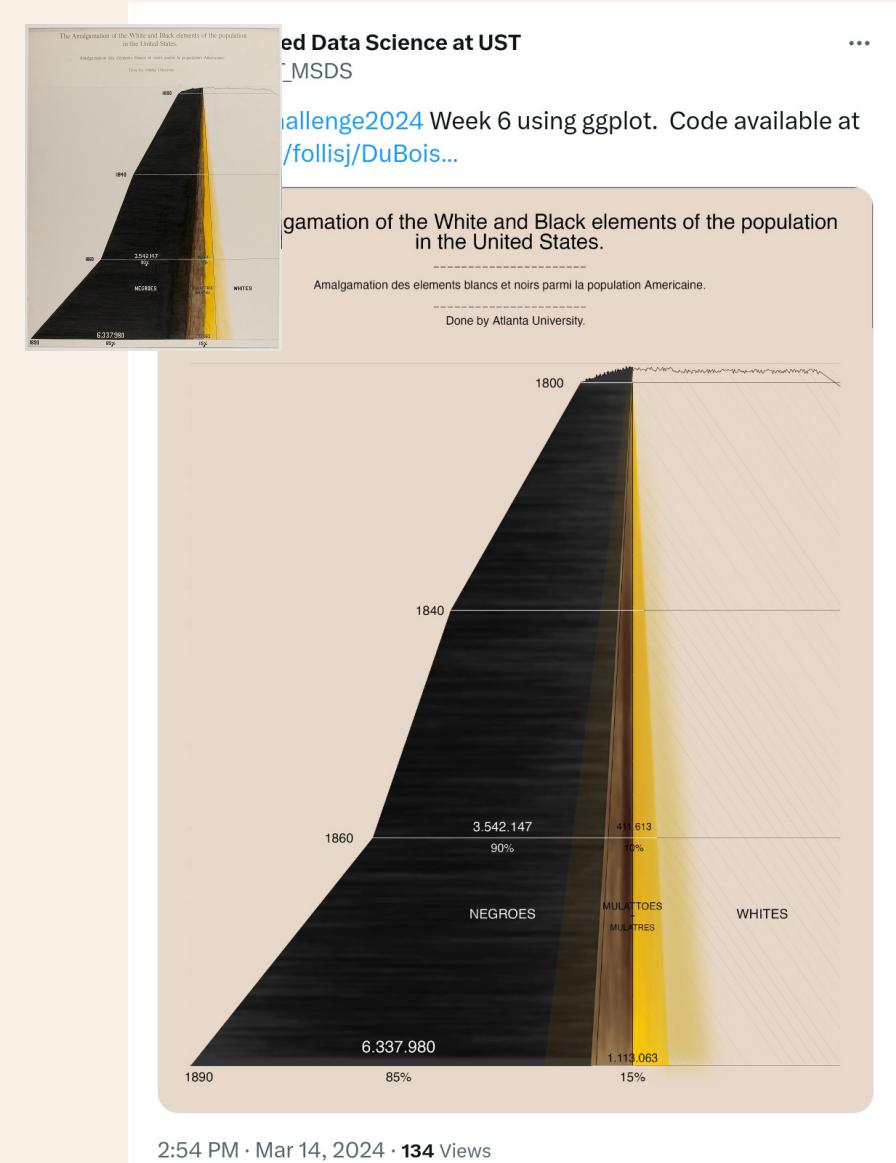
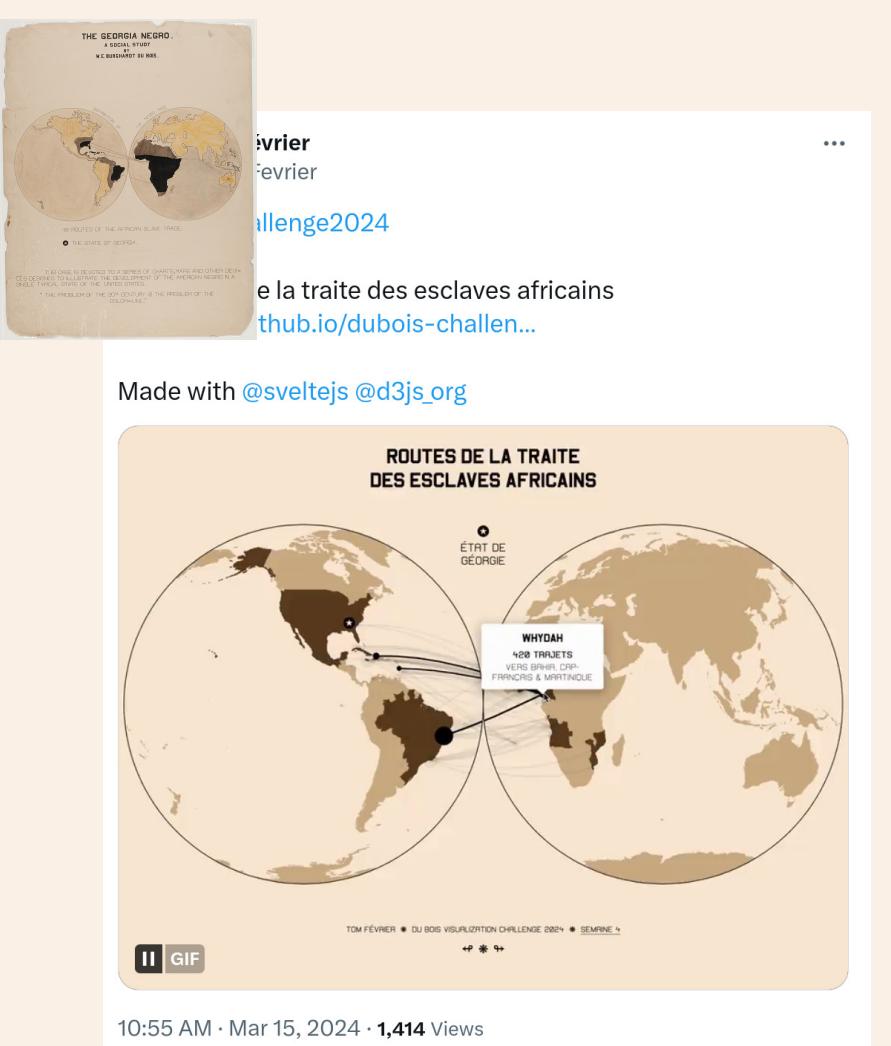
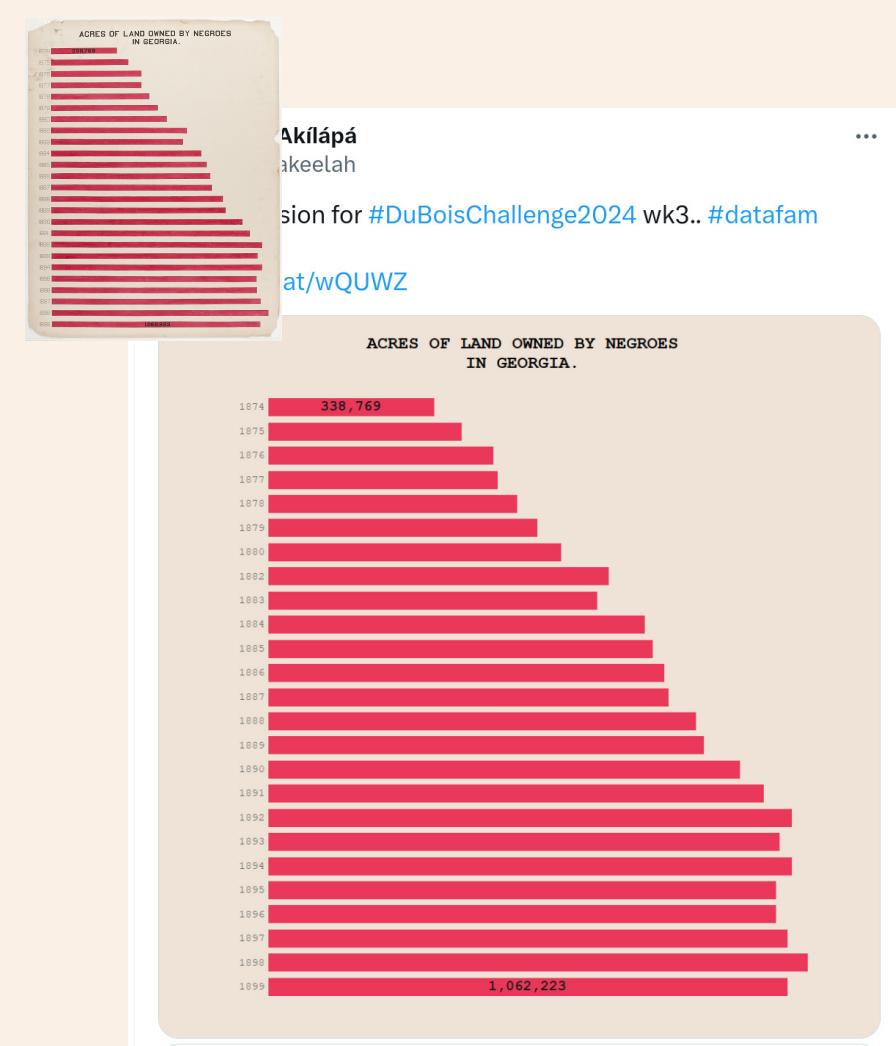
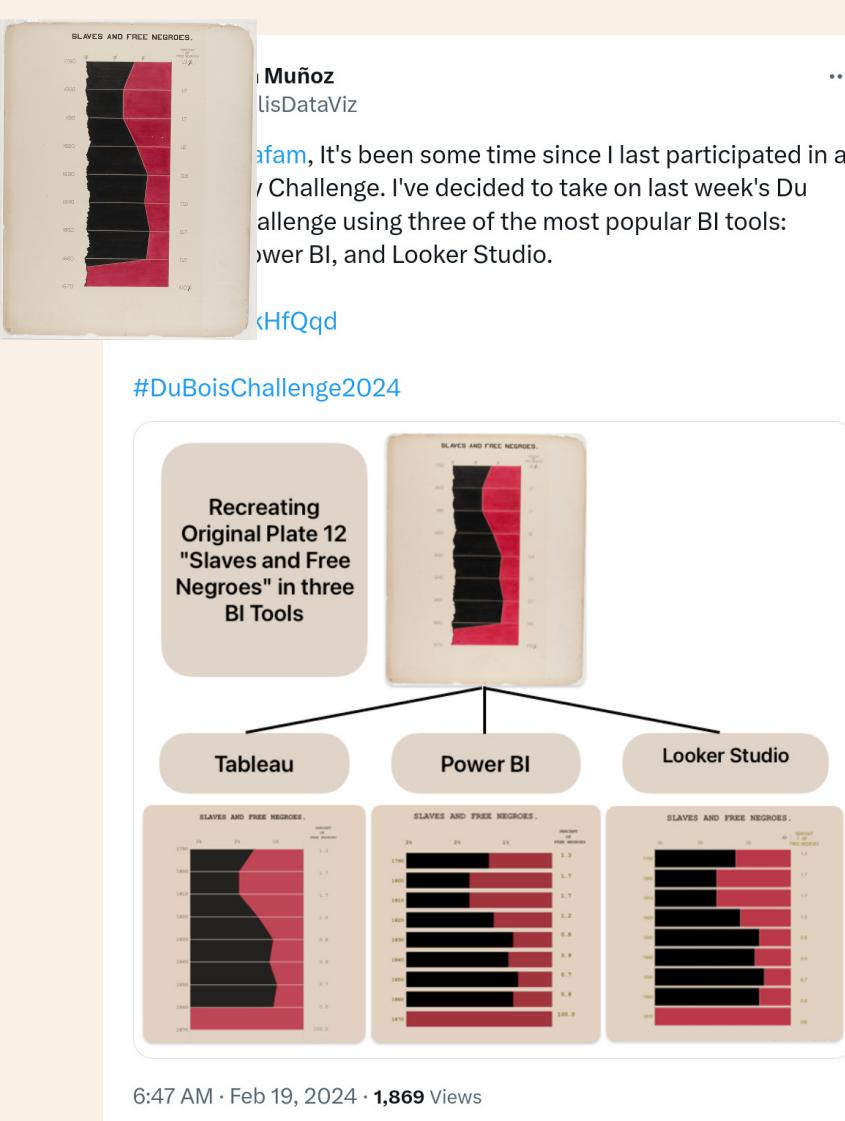
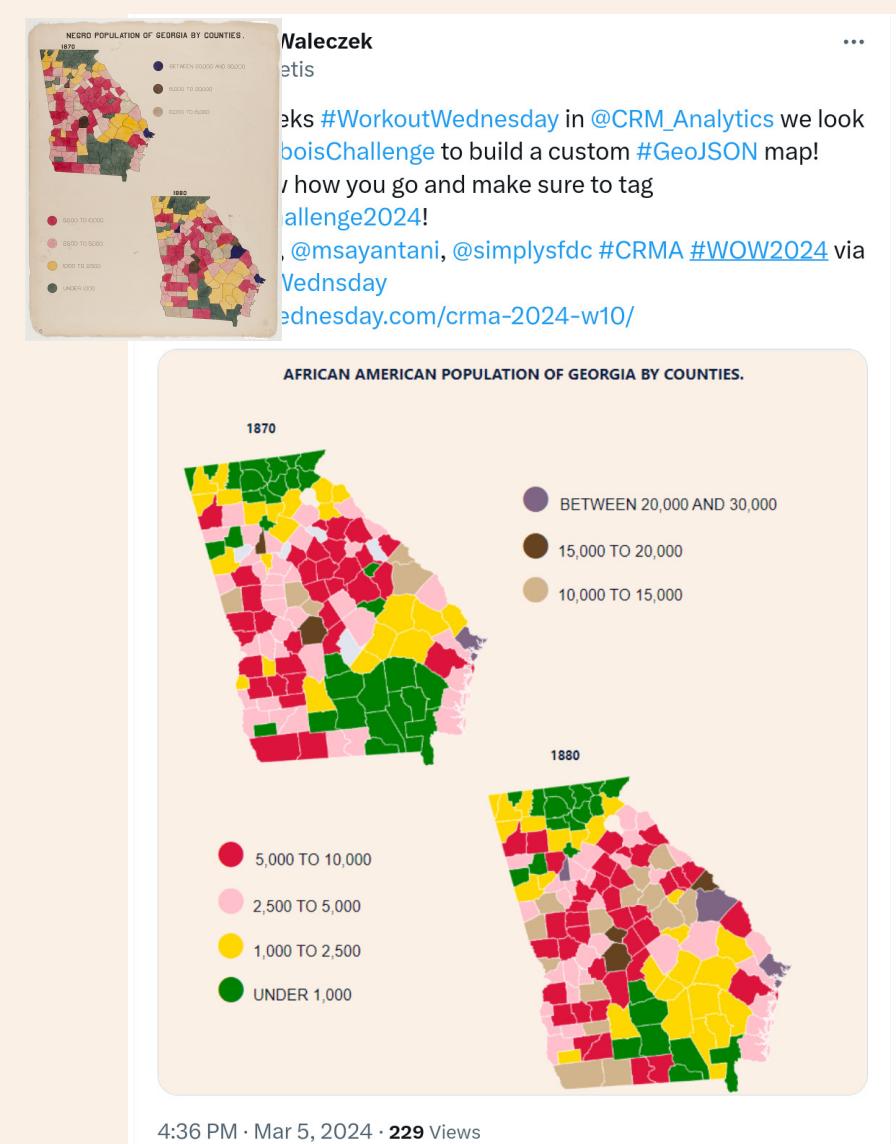
YouTube



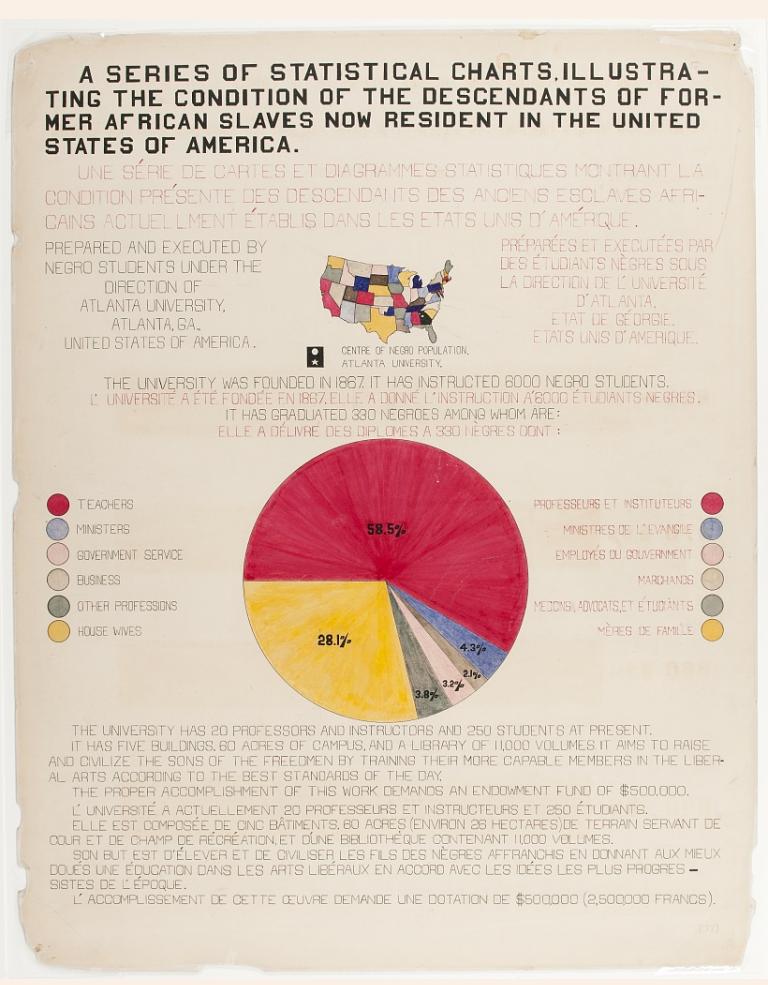
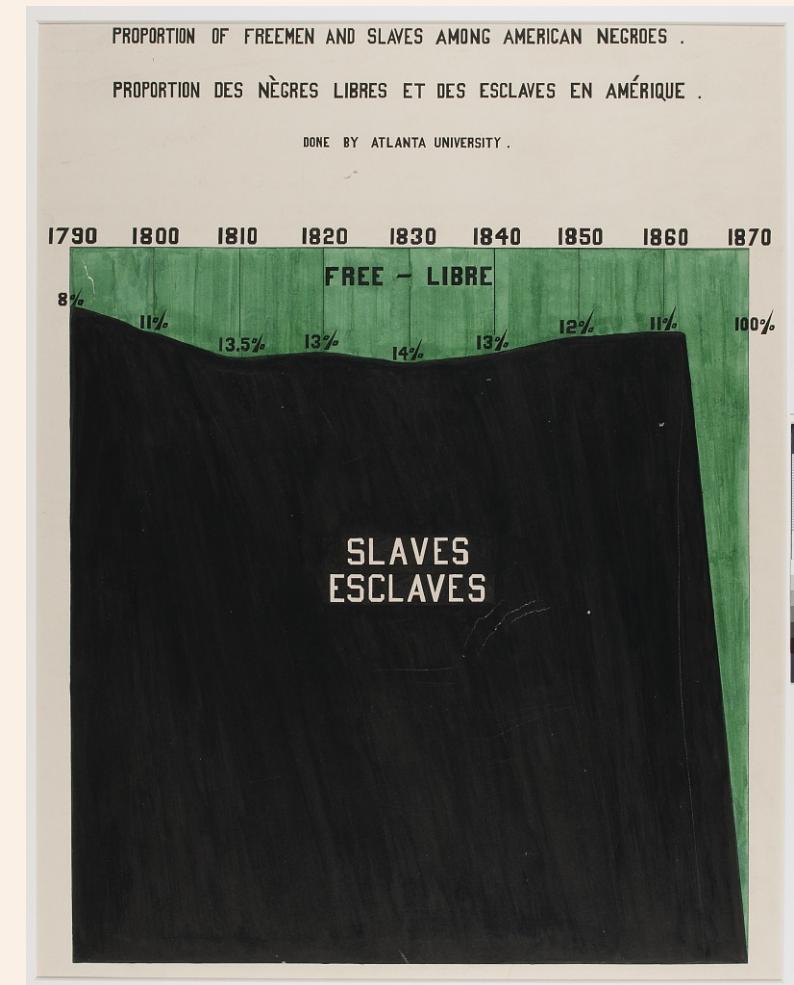
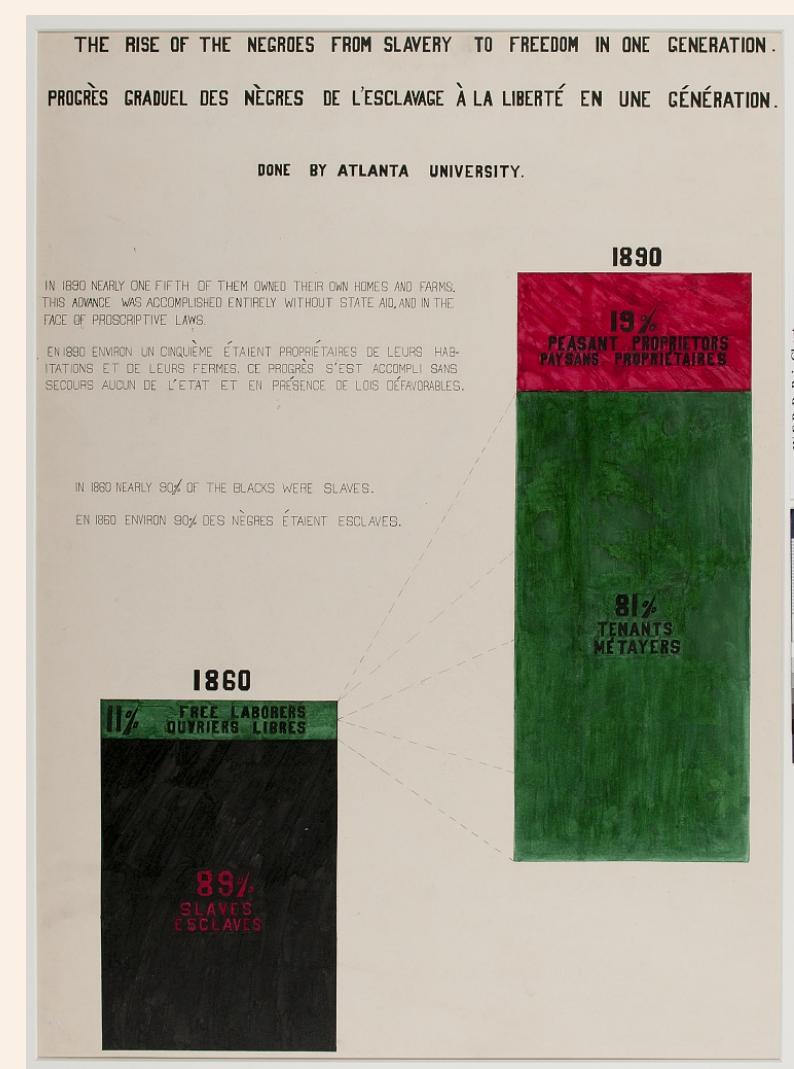
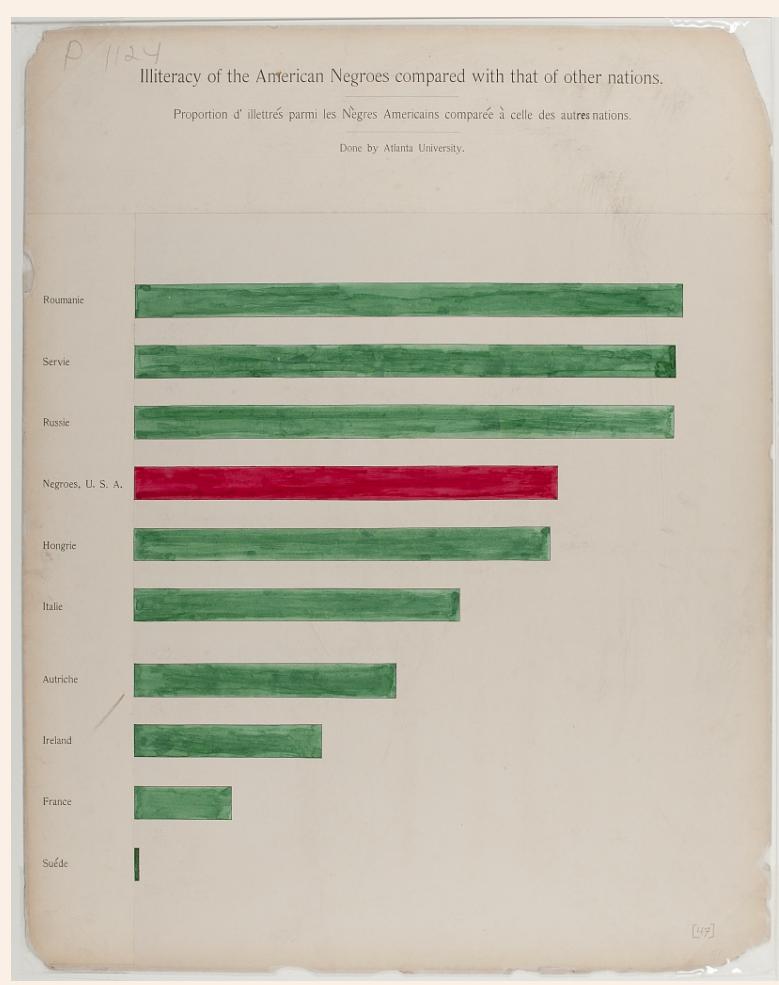
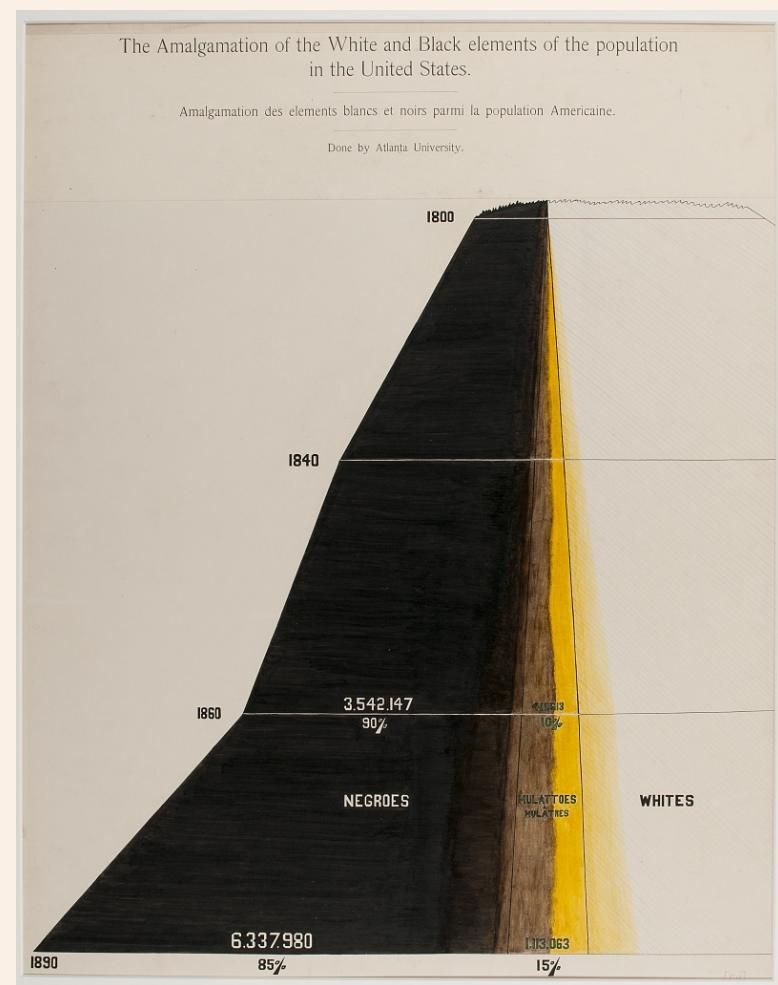
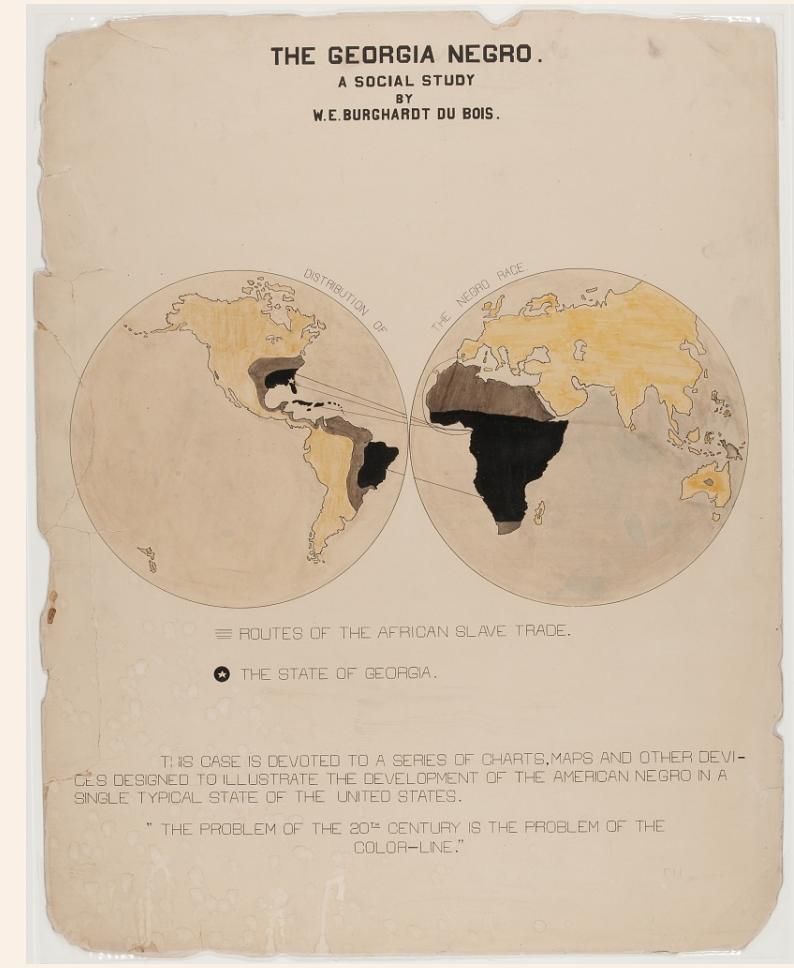
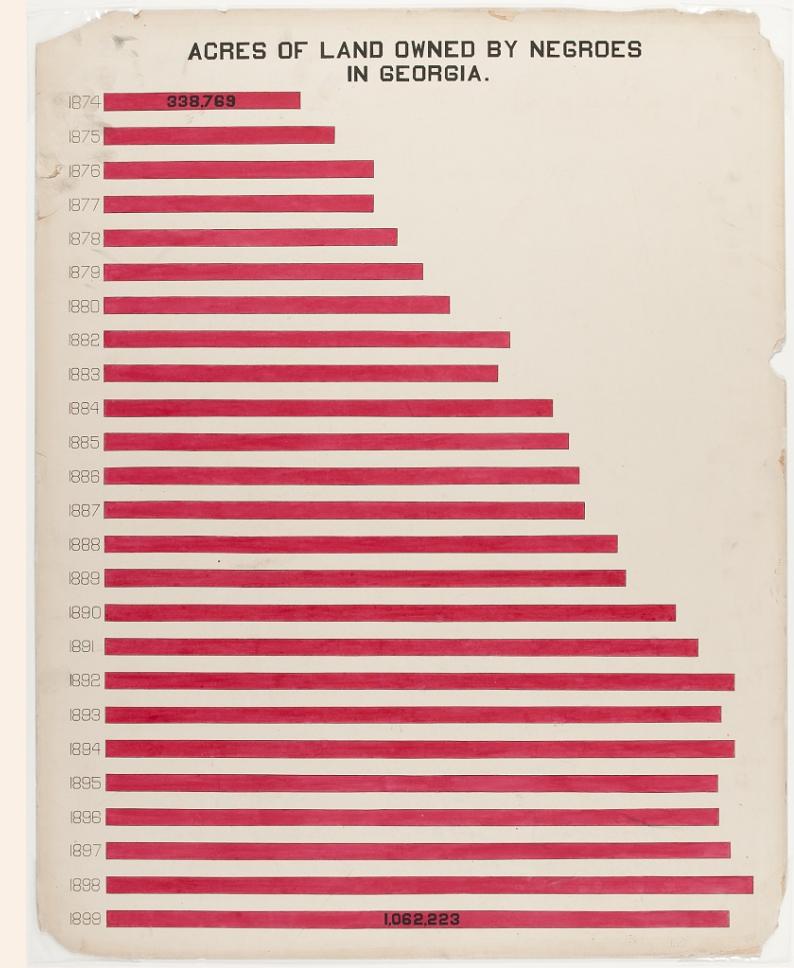
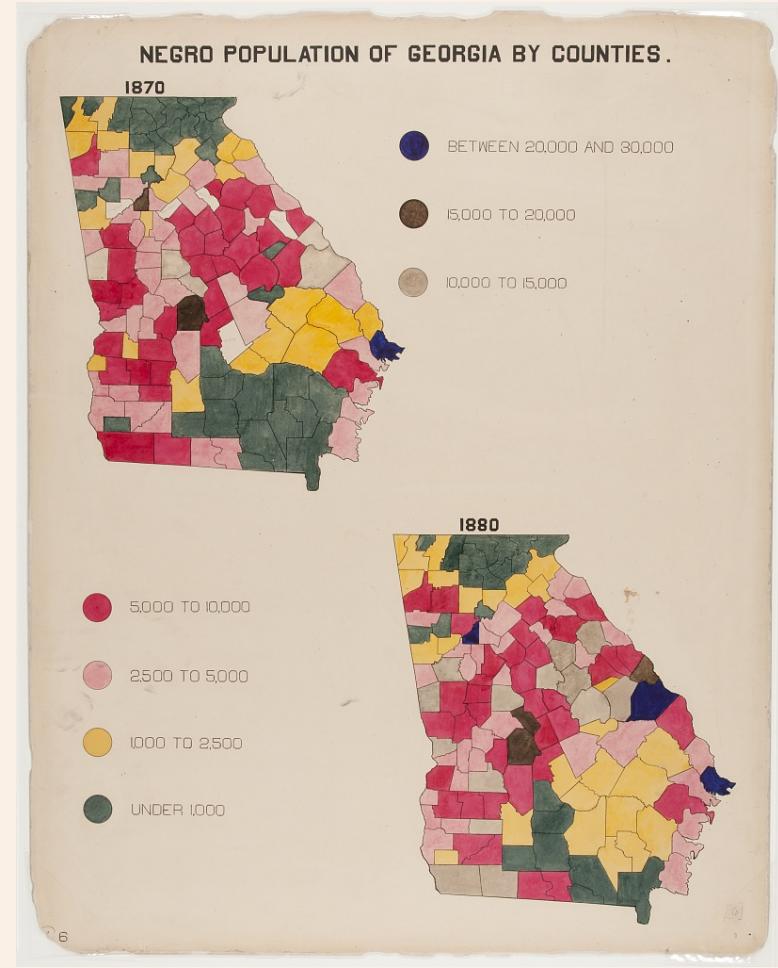
zoom



# Du Bois Challenge 2024



# Originals



# Using github

ajstarks / [dubois-data-portraits](#)

Type  to search | > | + | ○ | 🔍 | 📎 | ⚙ | ⚙

Code Issues Pull requests 1 Actions Projects Wiki Security Insights Settings

master [dubois-data-portraits / challenge / 2024 / README.md](#) Go to file ...

ajstarks add linkedin to 2024 challenge b76b158 · 3 months ago History

Preview Code Blame 57 lines (33 loc) · 4.5 KB Raw ⌂ ⌄ ⌅ ⌆ ⌇

## Du Bois Visualization Challenge: 2024

Du Bois Challenge 2024

Red, Black, and Green

The goal of the challenge is to celebrate the data visualization legacy of W.E.B. Du Bois by recreating the visualizations from the 1900 Paris Exposition using modern tools.

Code Issues Pull requests 1 Actions Projects Wiki Security Insights Settings

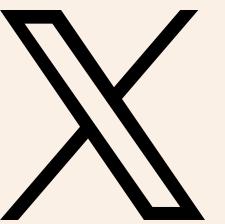
master [dubois-data-portraits / challenge / 2024 / challenge02 /](#) Go to file Add file ...

ajstarks add 2024 challenge e514106 · 4 months ago History

Name	Last commit message	Last commit date
...		
data.csv	add 2024 challenge	4 months ago
original-plate-12.jpg	add 2024 challenge	4 months ago

# The Venues

Twitter



Victor Muñoz  
@munozdataviz

Yay! I've finally had the time to recreate one of the visualizations for the #DuBoisChallenge2024. This time, I decided to try out the AdvViz tool from @ladataviz, and I'm loving the result! 😁  
#beeswarm #tableau

[public.tableau.com/app/profile/mu...](https://public.tableau.com/app/profile/mu...)

11:27 AM · Mar 10, 2024 · 621 Views

LinkedIn



Erik Driessen • 1st  
Freelance Data Analyst | visualisatie, analyse en ...  
2W • 291

This week, I finished the final data visualisation of the #DuBoisChallenge2024. I now have 10 weeks of recreating Du Bois's data visualisations behind me. Which r ...see more

Reflections on the #DuBoisChallenge2024: from prints to prints

Erik Driessen on LinkedIn • 2 min read  
I now have 10 weeks of recreating Du Bois data visualisations behind ...

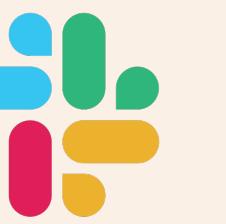
You and 18 others  
6 comments  
Like Comment Share

Kristin Baumann (She/Her) • 1st  
Freelance Data Visualization Developer & Fronte...  
2W • 291

Du Bois Data Visualization Society Challenge - Final  
Week 10/10. My last re-creation of Du Bois' poster no. 37 implemented with D3 & Svelte. Once more close ...see more

Original (Plate 37)

DVS Slack



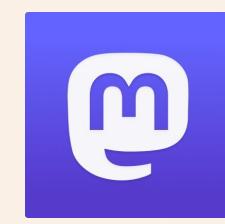
# challenge-dubois

I struggled with the geolocation aspect of this week's visualization, so I took a different approach. The first visualization illustrates the number of enslaved people distributed by various vessels registered to each country from 1514 to 1864—almost 10 million embarked on these voyages, and 8 million disembarked. I was curious to see who moved the most people. The second visualization shows the relationship between all the countries moving the enslaved on their ships and the region of Africa from which they obtained them. Unlike the lines in the original visualization, the height of each line is proportional to the number of enslaved captured from each region. The last visualization uses a similar technique but highlights where people disembarked based on where they embarked. This week's visualizations were created using RAWGraphs and Slave Voyages's curated data.

<https://app.rawgraphs.io/>  
<https://www.slavevoyages.org/>

Done by Atlanta University

Mastodon



Anthony Starks  
@ajstarks

Apr 1

#DuBoisChallenge2024, Week 9: With the green waters of Freedom plunging down a waterfall set on the dark base of slavery, "Proportion of Freeman and Slaves Among American Negroes" shows number of enslaved and free from 1790 to 1870.

PROPORTION OF FREEMEN AND SLAVES AMONG AMERICAN NEGROES .  
PROPORTION DES NÈGRES LIBRES ET DES ESCLAVES EN AMÉRIQUE .  
DONE BY ATLANTA UNIVERSITY .

1790 1800 1810 1820 1830 1840 1850 1860 1870

FREE - LIBRE  
SLAVES ESCLAVES

# Announcement Thread

 **Anthony Starks**  
@ajstarks

...  
Welcome to [#DuboisChallenge2024](#), where we celebrate the data visualization legacy of W.E.B Du Bois by recreating the visualizations from the 1900 Paris Exposition using modern tools. see: [github.com/ajstarks/duboi...](https://github.com/ajstarks/duboi...) In this thread, I'll describe the challenges:

8:18 AM · Feb 5, 2024 · 1,335 Views

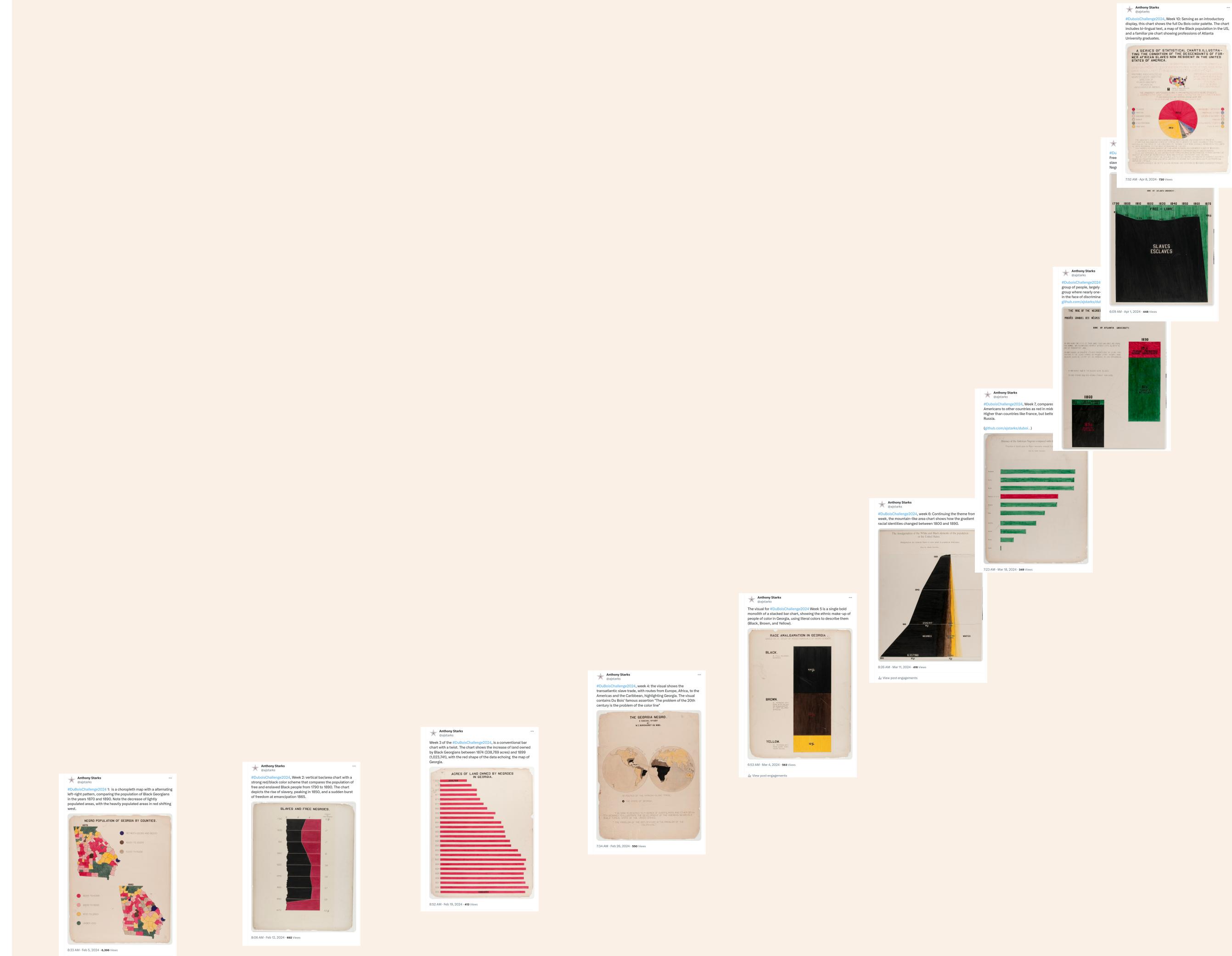
[View post engagements](#)

1 reply · 4 retweets · 15 likes · 3 bookmarks · [Share](#)

 Post your reply

 **Anthony Starks** @ajstarks · Feb 5  
This year the theme for the challenge will be organized around the colors of the Pan African flag: Challenges 1-3: red, Challenges 4-6: black, Challenges 7-9: green, Challenge 10: a combination.

1 reply · 1 retweet · 2 likes · 50 bookmarks · [Share](#)



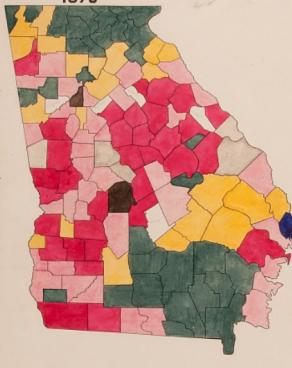
# Announcements

 Anthony Starks  
@ajstarks

#DuBoisChallenge2024 1: is a choropleth map with a alternating left-right pattern, comparing the population of Black Georgians in the years 1870 and 1890. Note the decrease of lightly populated areas, with the heavily populated areas in red shifting west.

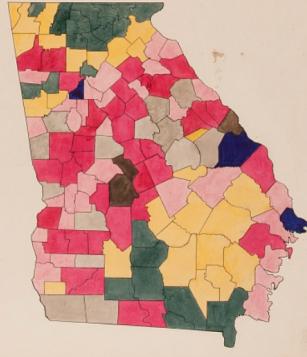
**NEGRO POPULATION OF GEORGIA BY COUNTIES.**

**1870**



- BETWEEN 20,000 AND 30,000
- 15,000 TO 20,000
- 10,000 TO 15,000

**1880**



- 5,000 TO 10,000
- 2,500 TO 5,000
- 1,000 TO 2,500
- UNDER 1,000

16

8:33 AM · Feb 5, 2024 · 6,396 Views

 Anthony Starks  
@ajstarks

#DuboisChallenge2024, Week 2: vertical bar/area chart with a strong red/black color scheme that compares the population of free and enslaved Black people from 1790 to 1890. The chart depicts the rise of slavery, peaking in 1850, and a sudden burst of freedom at emancipation 1865.



The chart is a vertical bar/area chart titled "SLAVES AND FREE NEGROES". It shows the percentage of free Negroes from 1790 to 1870. The y-axis lists years from 1790 to 1870. The x-axis represents the percentage of free Negroes, with labels at 0.7, 0.8, 0.9, 1.2, 1.7, and 1.8%. The chart uses a black/red color scheme where black represents slaves and red represents free Negroes. The total population (black + red) remains constant at 100% until 1860, after which it drops to approximately 80% by 1870.

Year	Percent of Free Negroes
1790	1.8%
1800	1.7%
1810	1.7%
1820	1.2%
1830	0.8%
1840	0.9%
1850	0.7%
1860	0.8%
1870	100%

 Anthony Starks  
@ajstarks

Week 3 of the #DuBoisChallenge2024, is a conventional bar chart with a twist. The chart shows the increase of land owned by Black Georgians between 1874 (338,769 acres) and 1899 (1,062,223), with the red shape of the data echoing the map of Georgia.



The chart is a horizontal bar chart titled "ACRES OF LAND OWNED BY NEGROES IN GEORGIA". The y-axis lists years from 1874 to 1899. The x-axis represents the number of acres, with values labeled at the end of each bar: 338,769 (1874), 1,062,223 (1899). The bars are red and have a slightly irregular, hand-drawn appearance, mimicking the shape of the state of Georgia.

Year	Acres
1874	338,769
1875	
1876	
1877	
1878	
1879	
1880	
1882	
1883	
1884	
1885	
1886	
1887	
1888	
1889	
1890	
1891	
1892	
1893	
1894	
1895	
1896	
1897	
1898	
1899	1,062,223

**Anthony Starks**  
@ajstarks

...  
#DuBoisChallenge2024, week 4: the visual shows the transatlantic slave trade, with routes from Europe, Africa, to the Americas and the Caribbean, highlighting Georgia. The visual contains Du Bois' famous assertion "The problem of the 20th century is the problem of the color line"

THE GEORGIA NEGRO.  
A SOCIAL STUDY  
BY  
W.E. BURGHARDT DU BOIS.

DISTRIBUTION OF THE NEGRO RACE

THE NEGRO RACE

ROUTE OF THE AFRICAN SLAVE TRADE.

THE STATE OF GEORGIA.

THIS CASE IS DEVOTED TO A SERIES OF CHARTS, MAPS AND OTHER DEVICES DESIGNED TO ILLUSTRATE THE DEVELOPMENT OF THE AMERICAN NEGRO IN A SINGLE TYPICAL STATE OF THE UNITED STATES.

"THE PROBLEM OF THE 20TH CENTURY IS THE PROBLEM OF THE COLOR-LINE."

# Anthony Starks

@ajstarks

The visual for #DuBoisChallenge2024 Week 5 is a single bold monolith of a stacked bar chart, showing the ethnic make-up of people of color in Georgia, using literal colors to describe them (Black, Brown, and Yellow).

RACE AMALGAMATION IN GEORGIA .  
BASED ON A STUDY OF 40,000 INDIVIDUALS OF NEGRO DESCENT.

**BLACK.**  
IE. FULL-BLOODED NEGROES.

44%

**BROWN.**  
IE. PERSONS WITH SOME WHITE BLOOD OR DESCENDANTS OF LIGHT COLORED AFRICANS.

40%

**YELLOW.**  
IE. PERSONS WITH MORE WHITE THAN NEGRO BLOOD.

16%

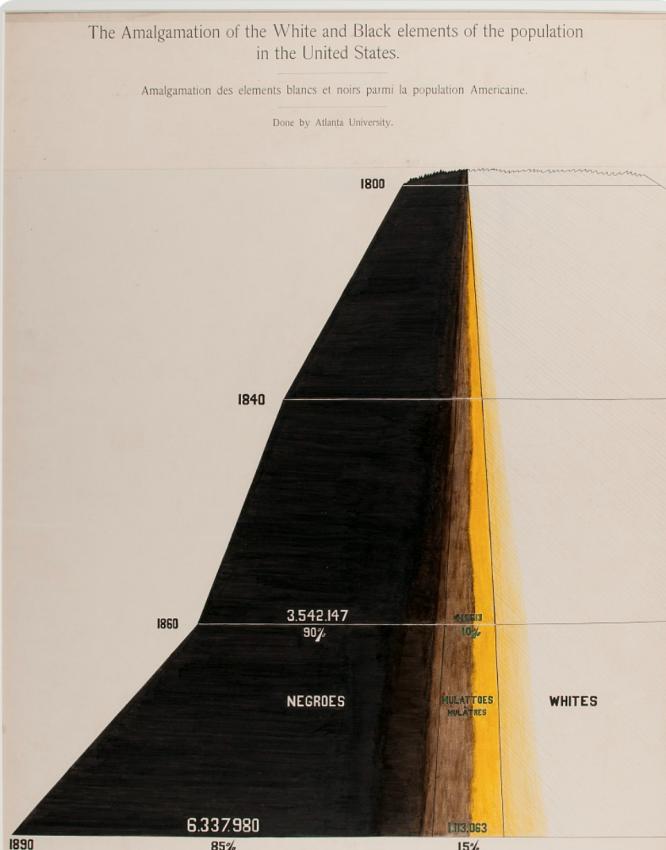
6:53 AM · Mar 4, 2024 · 563 Views

View post engagements

 Anthony Starks  
@ajstarks

...  
**#DuBoisChallenge2024**, week 6: Continuing the theme from last week, the mountain-like area chart shows how the gradient of racial identities changed between 1800 and 1890.

The Amalgamation of the White and Black elements of the population in the United States.  
Amalgamation des éléments blancs et noirs parmi la population Américaine.  
Done by Atlanta University.



This historical chart illustrates the population of Negroes and mulattoes in the United States from 1800 to 1890. The total population of Negroes and mulattoes increased from approximately 3.5 million in 1800 to over 6 million by 1890. The chart shows a sharp decline in the Negro population after 1860, while the mulatto population grew rapidly, particularly after 1865. The white population is shown as a yellow gradient on the right side of the chart.

Year	Negroes	Mulattoes	Total
1800	~3.5M	~0.1M	~3.6M
1840	~4.5M	~0.2M	~4.7M
1860	~3.5M	~0.5M	~4.0M
1890	~1.3M	~5.0M	~6.3M

 Anthony Starks  
@ajstarks

• • •

#DuboisChallenge2024, Week 7, compares the illiteracy of Black Americans to other countries as red in middle of a sea of green. Higher than countries like France, but better than others like Russia.

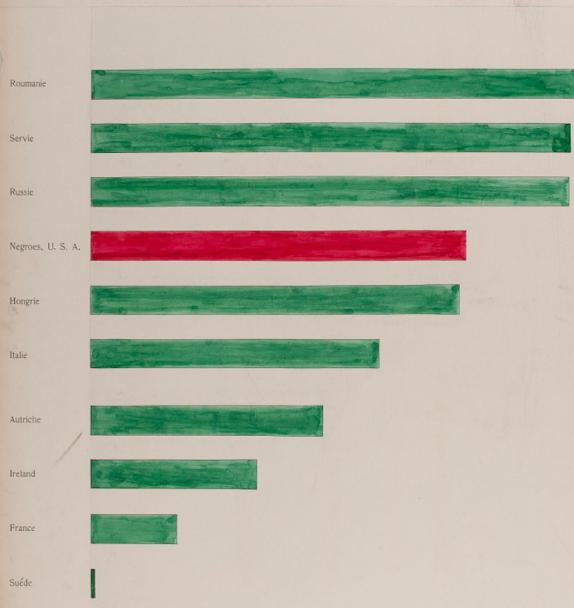
([github.com/ajstarks/duboi...](https://github.com/ajstarks/duboi...))

P 1124

Illiteracy of the American Negroes compared with that of other nations.

Proportion d'illitères parmi les Noirs Américains comparée à celle des autres nations.

Done by Atlanta University.



Nation	Illiteracy Proportion (approx.)
Roumanie	Very High (Red)
Servie	Very High (Red)
Russie	Very High (Red)
Negroes, U. S. A.	High (Red)
Hongrie	Medium-High (Green)
Italie	Medium (Green)
Autriche	Medium (Green)
Ireland	Medium-Low (Green)
France	Low (Green)
Suède	Very Low (Green)

[1124]

**Anthony Starks**  
@ajstarks

#DuboisChallenge2024, Week 8 two stacked bars show how a group of people, largely enslaved in 1860, transformed into a group where nearly one-fifth owned their own farms and homes in the face of discrimination, and without state aid.  
[github.com/ajstarks/duboi...](https://github.com/ajstarks/duboi...)

THE RISE OF THE NEGROES FROM SLAVERY TO FREEDOM IN ONE GENERATION.

PROGRÈS GRADUEL DES NÉGRES DE L'ESCLAVAGE À LA LIBERTÉ EN UNE GÉNÉRATION.

DONE BY ATLANTA UNIVERSITY.

IN 1860 NEARLY ONE FIFTH OF THEM OWNED THEIR OWN HOMES AND FARMS. THIS ADVANCE WAS ACCOMPLISHED ENTIRELY WITHOUT STATE AID, AND IN THE FACE OF PROSCRIBING LAWS.

EN 1860 ENVIRON UN CINQUIÈME ÉTAIENT PROPRIÉTAIRES DE LEURS HABITATIONS ET DE LEURS FERMES. CE PROGRÈS S'EST ACCOMPLI SANS SECOURS AUCUN DE L'ETAT ET EN PRÉSENCE DE LOIS DÉFAVORABLES.

IN 1860 NEARLY 50% OF THE BLACKS WERE SLAVES.

EN 1860 ENVIRON 90% DES NÉGRES ÉTAIENT ESCLAVES.

**1860**

11%	FREE LABORERS OUVRIERS LIBRES
89%	SLAVES ESCLAVES

**1890**

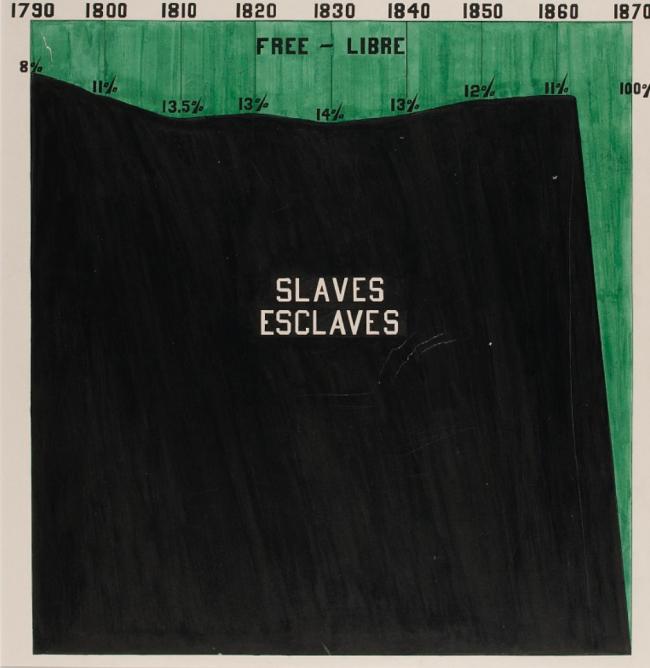
19%	PEASANT PROPRIETORS PAYSANS - PROPRIÉTAIRES
81%	TENANTS MÉTAYERS

 Anthony Starks  
@ajstarks

•••

#DuboisChallenge2024, Week 9: With the green waters of Freedom plunging down a waterfall set on the dark base of slavery, "Proportion of Freeman and Slaves Among American Negroes" shows number of enslaved and free from 1790 to 1870.

PROPORTION OF FREEMEN AND SLAVES AMONG AMERICAN NEGROES .  
PROPORTION DES NÈGRES LIBRES ET DES ESCLAVES EN AMÉRIQUE .  
DONE BY ATLANTA UNIVERSITY .



Year	Free / Libre (%)	Slaves / Esclaves (%)
1790	8%	92%
1800	11%	89%
1810	13.5%	86.5%
1820	13%	87%
1830	14%	86%
1840	13%	87%
1850	12%	88%
1860	11%	89%
1870	11%	89%

Anthony Starks

@ajstarks

...

#DuboisChallenge2024, Week 10: Serving as an introductory display, this chart shows the full Du Bois color palette. The chart includes bi-lingual text, a map of the Black population in the US, and a familiar pie chart showing professions of Atlanta University graduates.

### A SERIES OF STATISTICAL CHARTS, ILLUSTRATING THE CONDITION OF THE DESCENDANTS OF FORMER AFRICAN SLAVES NOW RESIDENT IN THE UNITED STATES OF AMERICA.

UNE SÉRIE DE CARTES ET DIAGRAMMES STATISTIQUES MONTRANT LA CONDITION PRÉSENTE DES DESCENDANTS DES ANCIENS ESSCLAVES AFRIQUENS ACTUELLEMENT ÉTABLIS DANS LES ÉTATS UNIS D'AMÉRIQUE.

PREPARED AND EXECUTED BY  
NEGRO STUDENTS UNDER THE  
DIRECTION OF  
ATLANTA UNIVERSITY,  
ATLANTA, GA.  
UNITED STATES OF AMERICA.

PRÉPARÉES ET EXÉCUTÉES PAR  
DES ÉTUDIANTS NÉGRIS SOUS  
LA DIRECTION DE L'UNIVERSITÉ  
D'ATLANTA,  
ETAT DE GÉORGIA,  
ÉTATS UNIS D'AMÉRIQUE.

CENTRE DE NEGRO POPULATION.  
ATLANTA UNIVERSITY.

THE UNIVERSITY WAS FOUNDED IN 1867. IT HAS INSTRUCTED 6000 NEGRO STUDENTS.  
L'UNIVERSITÉ A été FONDÉE EN 1867. ELLE A DONNÉ L'INSTRUCTION A 6000 ÉTUDIANTS NÉGRIS.  
IT HAS GRADUATED 330 NEGROES AMONG WHOM ARE:  
ELLE A DÉLIVRÉ DES DIPLÔMES A 330 NÉGRIS DONT :

Profession	Percentage
TEACHERS	58.5%
MINISTERS	28.1%
GOVERNMENT SERVICE	3.8%
BUSINESS	3.2%
OTHER PROFESSIONS	4.3%
HOUSE WIVES	2%

THE UNIVERSITY HAS 20 PROFESSORS AND INSTRUCTORS AND 250 STUDENTS AT PRESENT.  
IT HAS FIVE BUILDINGS, 60 ACRES OF CAMPUS, AND A LIBRARY OF 11,000 VOLUMES. IT AIMS TO RAISE  
AND CIVILIZE THE SONS OF THE FREEDOMS BY TRAINING THEIR MORE CAPABLE MEMBERS IN THE LIBERAL  
ARTS ACCORDING TO THE BEST STANDARDS OF THE DAY.

THE PROPER ACCOMPLISHMENT OF THIS WORK DEMANDS AN ENDOWMENT FUND OF \$500,000.  
L'UNIVERSITÉ A ACTUELLEMENT 20 PROFESSEURS ET INSTRUCTEURS ET 250 ÉTUDIANTS.  
ELLE EST COMPOSÉE DE CINQ BÂTIMENTS, 60 ACRES (ENVIRON 23 HECTARES) DE TERRAIN SERVANT DE  
COUR ET DE CHAMP DE REPRODUCTION ET D'UNE BIBLIOTHÈQUE CONTENANT 11,000 VOLUMES.

SON BUT EST D'ÉLEVÉR ET DE CIVILISER LES FILS DES NÉGRIS AFFRANCHIS EN DONNANT AUX MEILLEURS  
DÉBUTS UNE ÉDUCATION DANS LES ARTS LIBÉRAUX EN ACCORD AVEC LES IDÉES LES PLUS PROGRESSISTES  
DE L'ÉPOQUE.

L'ACCOMPLISSEMENT DE CETTE ŒUVRE DEMANDE UNE DOTATION DE \$500,000 (2,500,000 FRANCS).

7:52 AM · Apr 8, 2024 · 720 Views

# DVS Announcements

Data Visualization Society  
@DataVizSociety ...

Today is Week 1 of the #DuBoisChallenge2024!  
Go to [buff.ly/3SGTnEg](https://buff.ly/3SGTnEg) to recreate the viz in this week's folder.  
Share your work on social media with #DuBoisChallenge2024.  
Don't forget to share it in the DVS Slack for a chance to win prizes!

**#DuBoisChallenge2024 Week 1**

Share your work in the DVS Slack to win prizes!

6:00 PM · Feb 5, 2024 · 5,478 Views

Data Visualization Society  
@DataVizSociety ...

Today is Week 2 of the #DuBoisChallenge2024!  
Go to [buff.ly/3SGTnEg](https://buff.ly/3SGTnEg) to recreate the viz in this week's folder.  
Share your work on social media with #DuBoisChallenge2024.  
Don't forget to share it in the DVS Slack for a chance to win prizes!

**#DuBoisChallenge2024 Week 2**

Share your work in the DVS Slack to win prizes!

9:01 AM · Feb 12, 2024 · 2,070 Views

Data Visualization Society  
@DataVizSociety ...

Today is Week 3 of the #DuBoisChallenge2024!  
Go to [buff.ly/3SGTnEg](https://buff.ly/3SGTnEg) to recreate the viz in this week's folder.  
Share your work on social media with #DuBoisChallenge2024.  
Don't forget to share it in the DVS Slack for a chance to win prizes!

**#DuBoisChallenge2024 Week 3**

Share your work in the DVS Slack to win prizes!

2:01 PM · Feb 19, 2024 · 2,751 Views

Data Visualization Society  
@DataVizSociety ...

Today is Week 4 of the #DuBoisChallenge2024!  
Go to [buff.ly/3SGTnEg](https://buff.ly/3SGTnEg) to recreate the viz in this week's folder.  
Share your work on social media with #DuBoisChallenge2024.  
Don't forget to share it in the DVS Slack for a chance to win prizes!

**#DuBoisChallenge2024 Week 4**

Share your work in the DVS Slack to win prizes!

6:00 AM · Feb 26, 2024 · 2,324 Views

Data Visualization Society  
@DataVizSociety ...

Today is Week 5 of the #DuBoisChallenge2024!  
Go to [buff.ly/3SGTnEg](https://buff.ly/3SGTnEg) to recreate the viz in this week's folder.  
Share your work on social media with #DuBoisChallenge2024.  
Don't forget to share it in the DVS Slack for a chance to win prizes!

**#DuBoisChallenge2024 Week 5**

Share your work in the DVS Slack to win prizes!

3:02 PM · Mar 4, 2024 · 2,165 Views

Data Visualization Society  
@DataVizSociety ...

Today is Week 6 of the #DuBoisChallenge2024!  
Go to [buff.ly/3SGTnEg](https://buff.ly/3SGTnEg) to recreate the viz in this week's folder.  
Share your work on social media with #DuBoisChallenge2024.  
Don't forget to share it in the DVS Slack for a chance to win prizes!

**#DuBoisChallenge2024 Week 6**

Share your work in the DVS Slack to win prizes!

2:01 AM · Mar 11, 2024 · 2,602 Views

Data Visualization Society  
@DataVizSociety ...

Today is Week 7 of the #DuBoisChallenge2024!  
Go to [buff.ly/3SGTnEg](https://buff.ly/3SGTnEg) to recreate the viz in this week's folder.  
Share your work on social media with #DuBoisChallenge2024.  
Don't forget to share it in the DVS Slack for a chance to win prizes!

**#DuBoisChallenge2024 Week 7**

Share your work in the DVS Slack to win prizes!

11:00 AM · Mar 18, 2024 · 4,379 Views

Data Visualization Society  
@DataVizSociety ...

Today is Week 8 of the #DuBoisChallenge2024!  
Go to [buff.ly/3SGTnEg](https://buff.ly/3SGTnEg) to recreate the viz in this week's folder.  
Share your work on social media with #DuBoisChallenge2024.  
Don't forget to share it in the DVS Slack for a chance to win prizes!

**#DuBoisChallenge2024 Week 8**

Share your work in the DVS Slack to win prizes!

5:00 PM · Mar 25, 2024 · 2,703 Views

Data Visualization Society  
@DataVizSociety ...

Today is Week 9 of the #DuBoisChallenge2024!  
Go to [buff.ly/3SGTnEg](https://buff.ly/3SGTnEg) to recreate the viz in this week's folder.  
Share your work on social media with #DuBoisChallenge2024.  
Don't forget to share it in the DVS Slack for a chance to win prizes!

**#DuBoisChallenge2024 Week 9**

Share your work in the DVS Slack to win prizes!

3:00 PM · Apr 1, 2024 · 2,853 Views

Data Visualization Society  
@DataVizSociety ...

Today is Week 10 of the #DuBoisChallenge2024!  
Go to [buff.ly/3SGTnEg](https://buff.ly/3SGTnEg) to recreate the viz in this week's folder.  
Share your work on social media with #DuBoisChallenge2024.  
Don't forget to share it in the DVS Slack for a chance to win prizes!

**#DuBoisChallenge2024 Week 10**

Share your work in the DVS Slack to win prizes!

8:00 AM · Apr 8, 2024 · 4,483 Views

# Red, Black, and Green

Éléonore  
@EleonoreMayola

Glad I joined #DuBoisChallenge2024!  
I'm using the challenges as interesting #dataviz exercises. Plus, I can enjoy others' contributions without the FOMO 😊

#DuBoisChallenge2024

5:06 AM · Feb 26, 2024 · 198 Views

Éléonore  
@EleonoreMayola

During #DuBoisChallenge2024 I'm practicing setting a time block for my "rabbit holes" and experiments 😅

#DuBoisChallenge2024

5:34 AM · Mar 21, 2024 · 124 Views

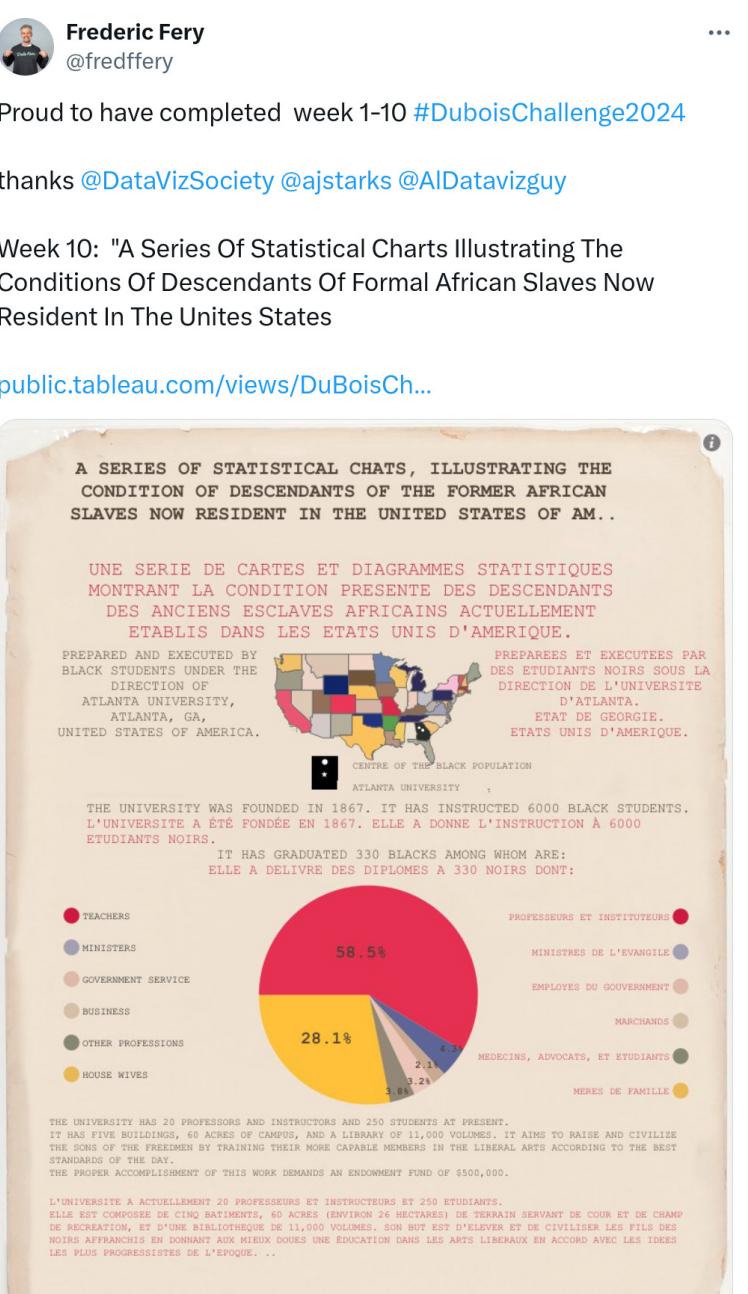
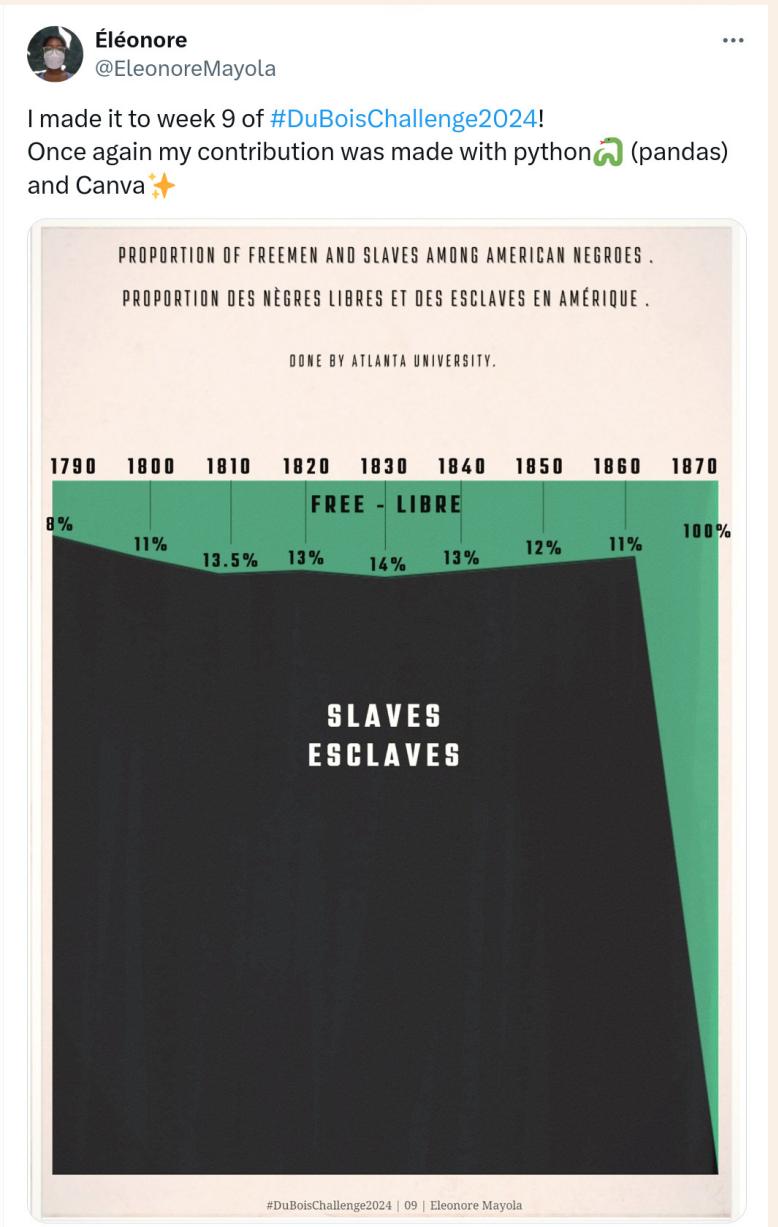
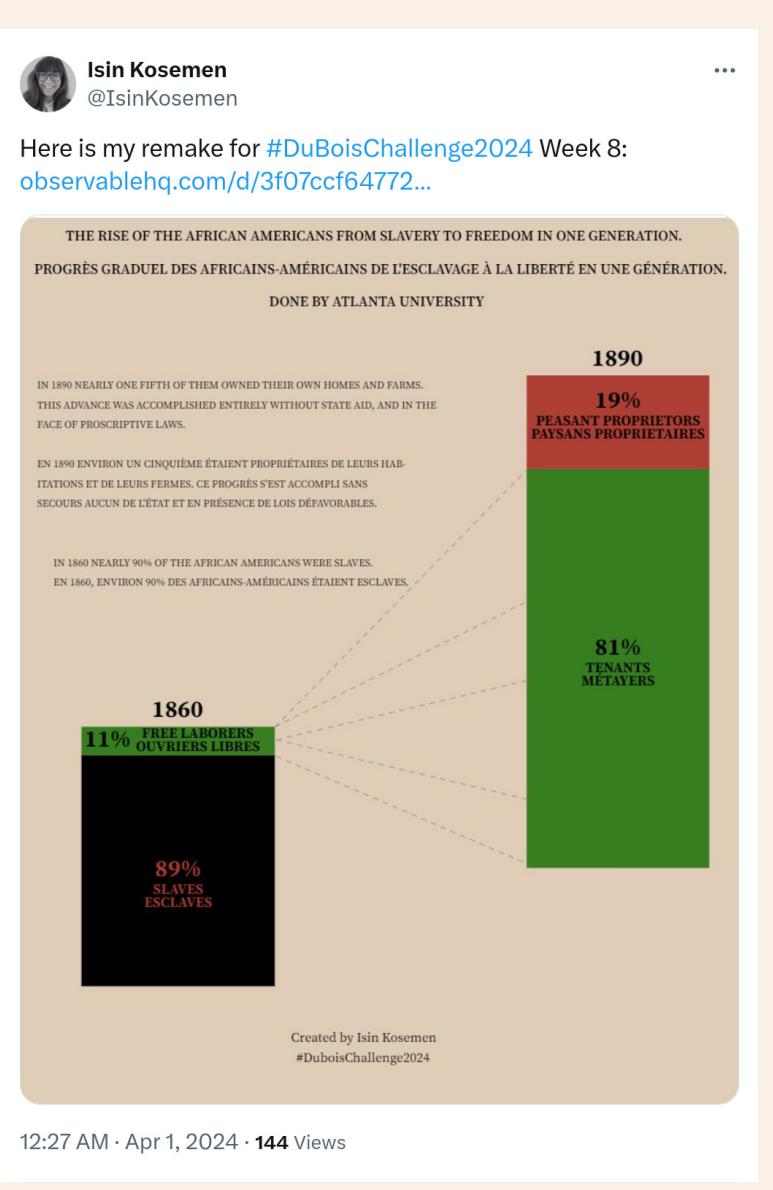
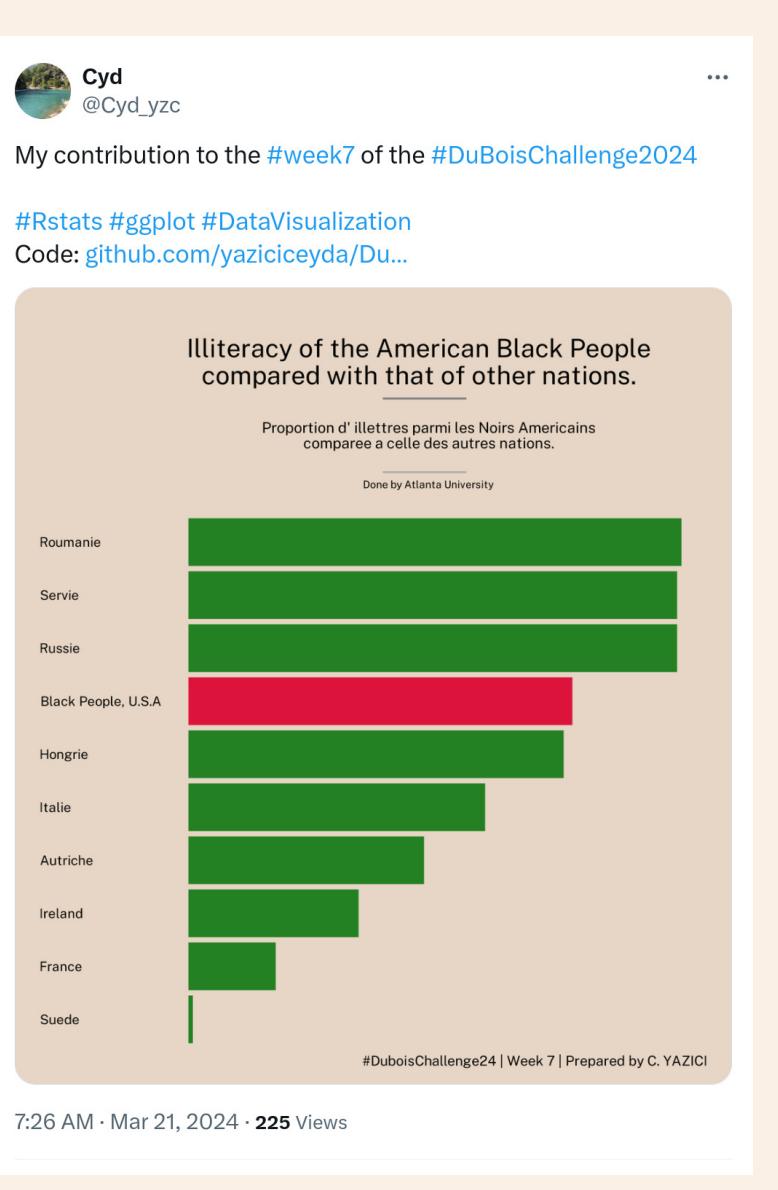
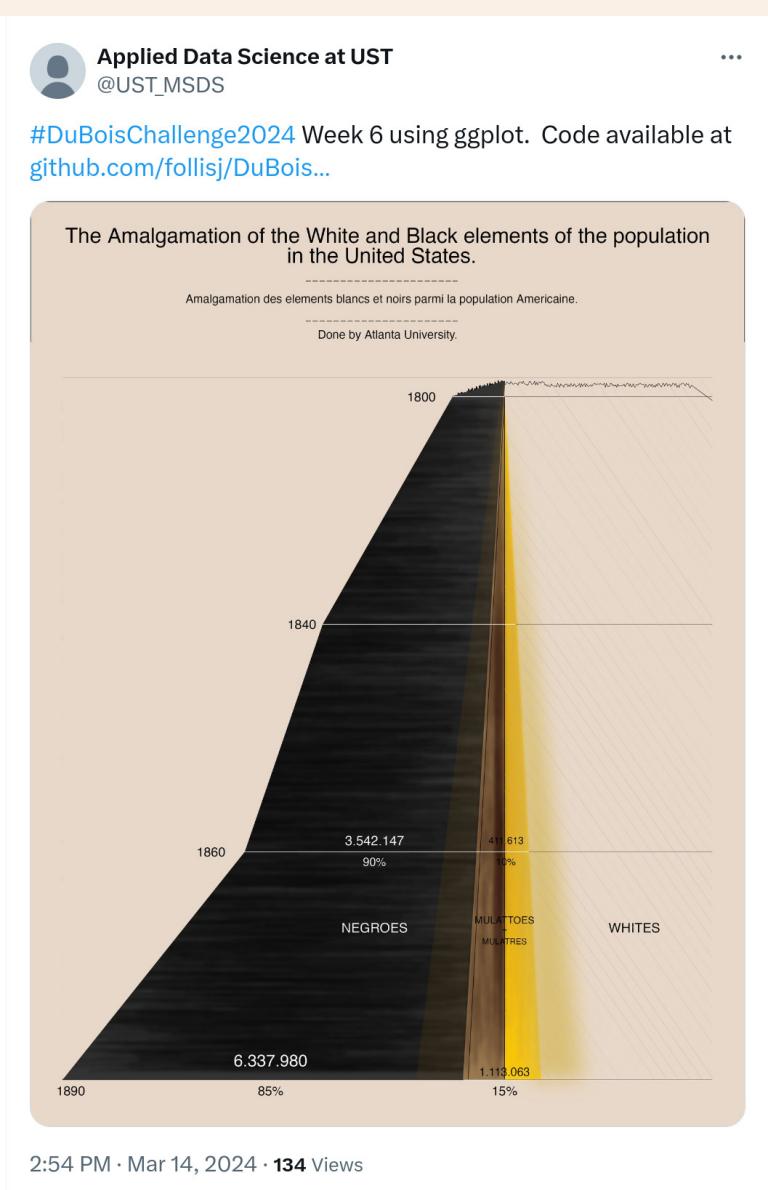
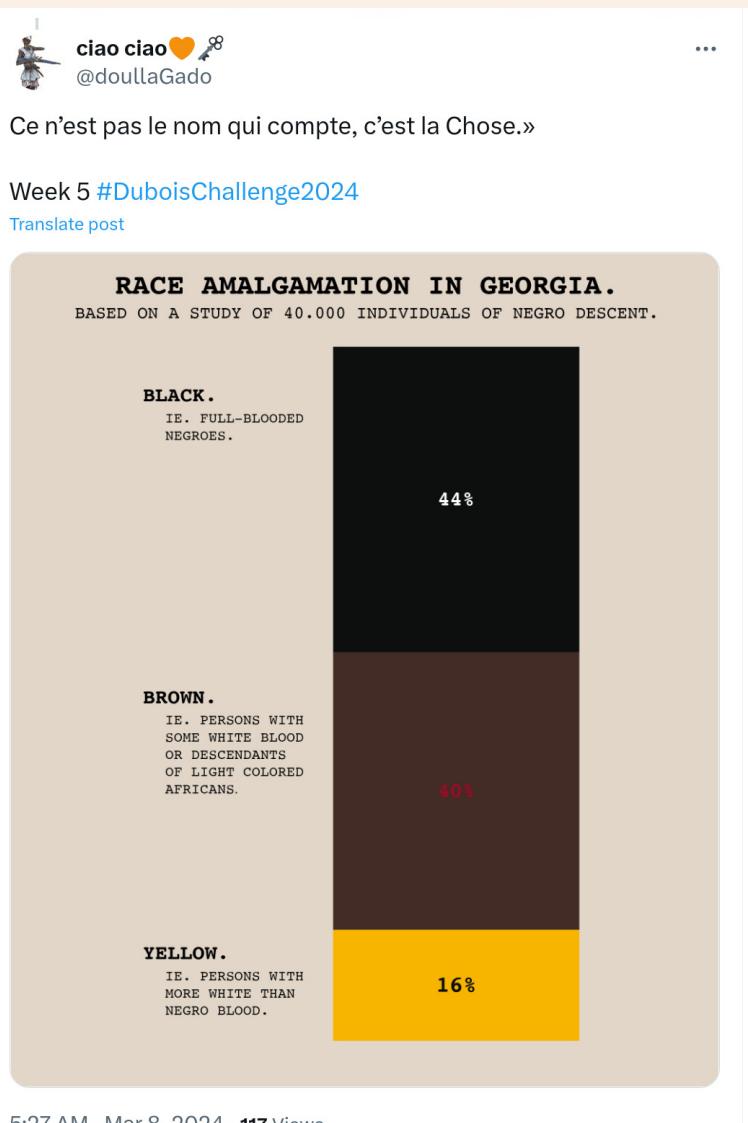
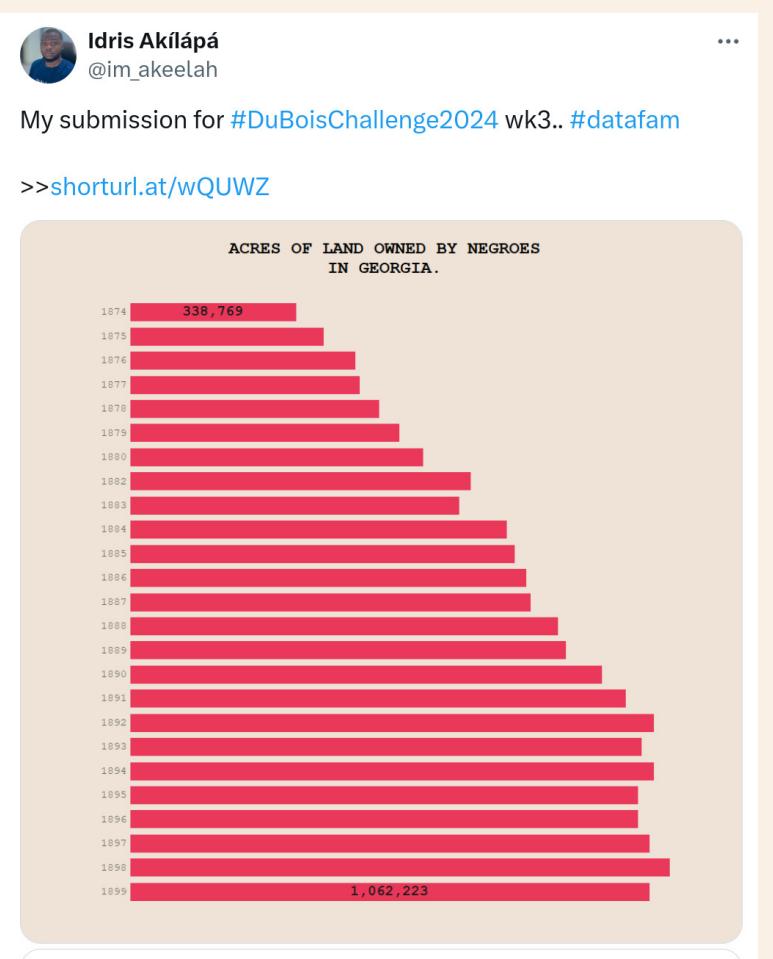
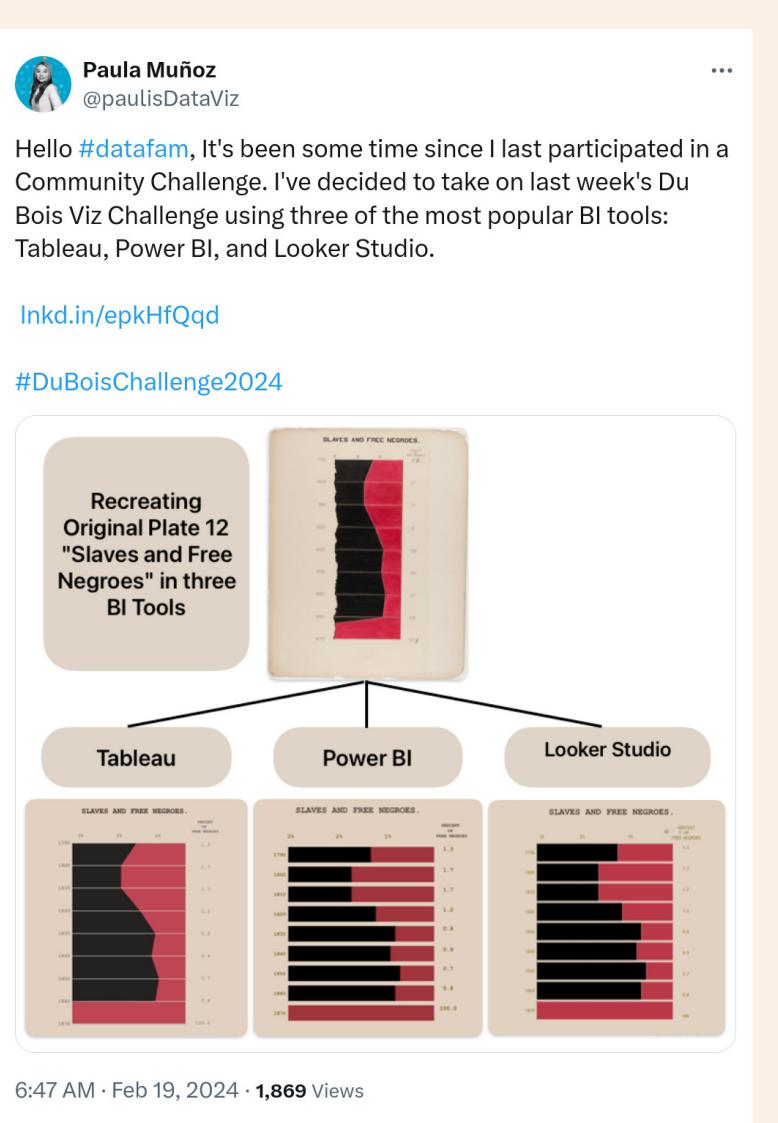
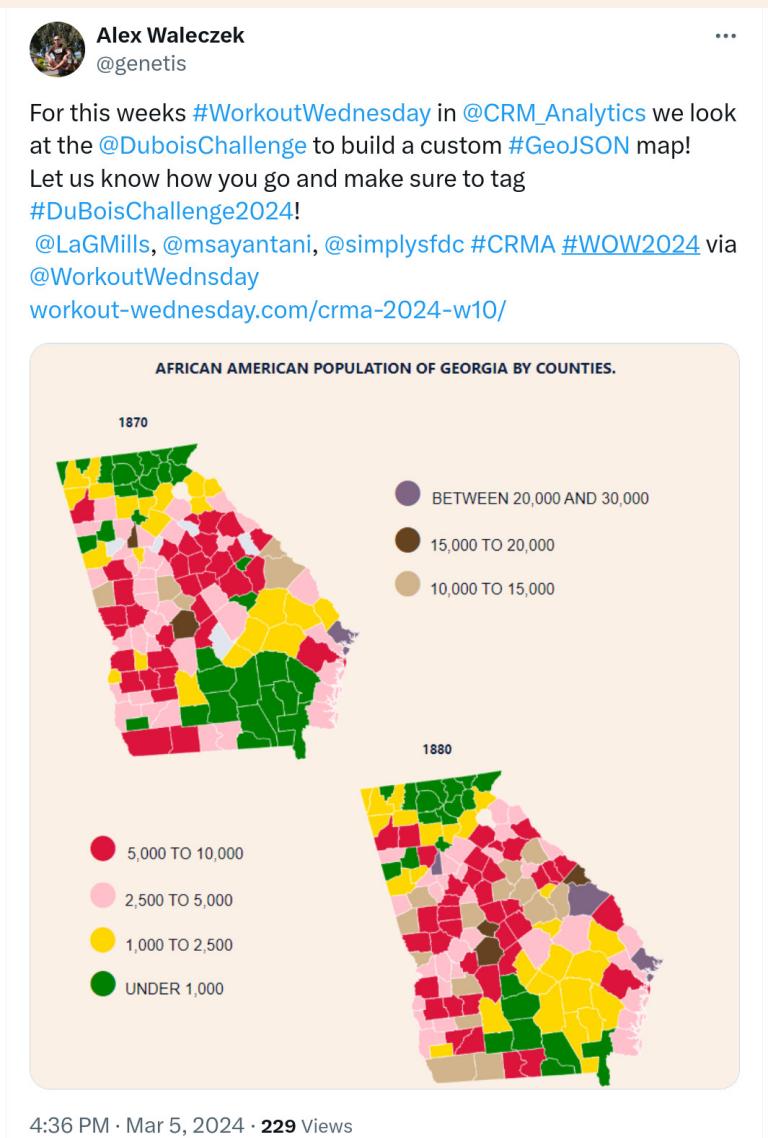
Éléonore  
@EleonoreMayola

In the past 3 weeks of the #DuBoisChallenge2024 my obstacle was emotional. I couldn't escape anymore how heavy the subject matter is.  
I'm still glad to be taking part in this challenge and, of course, still inspired by W.E.B. DuBois!

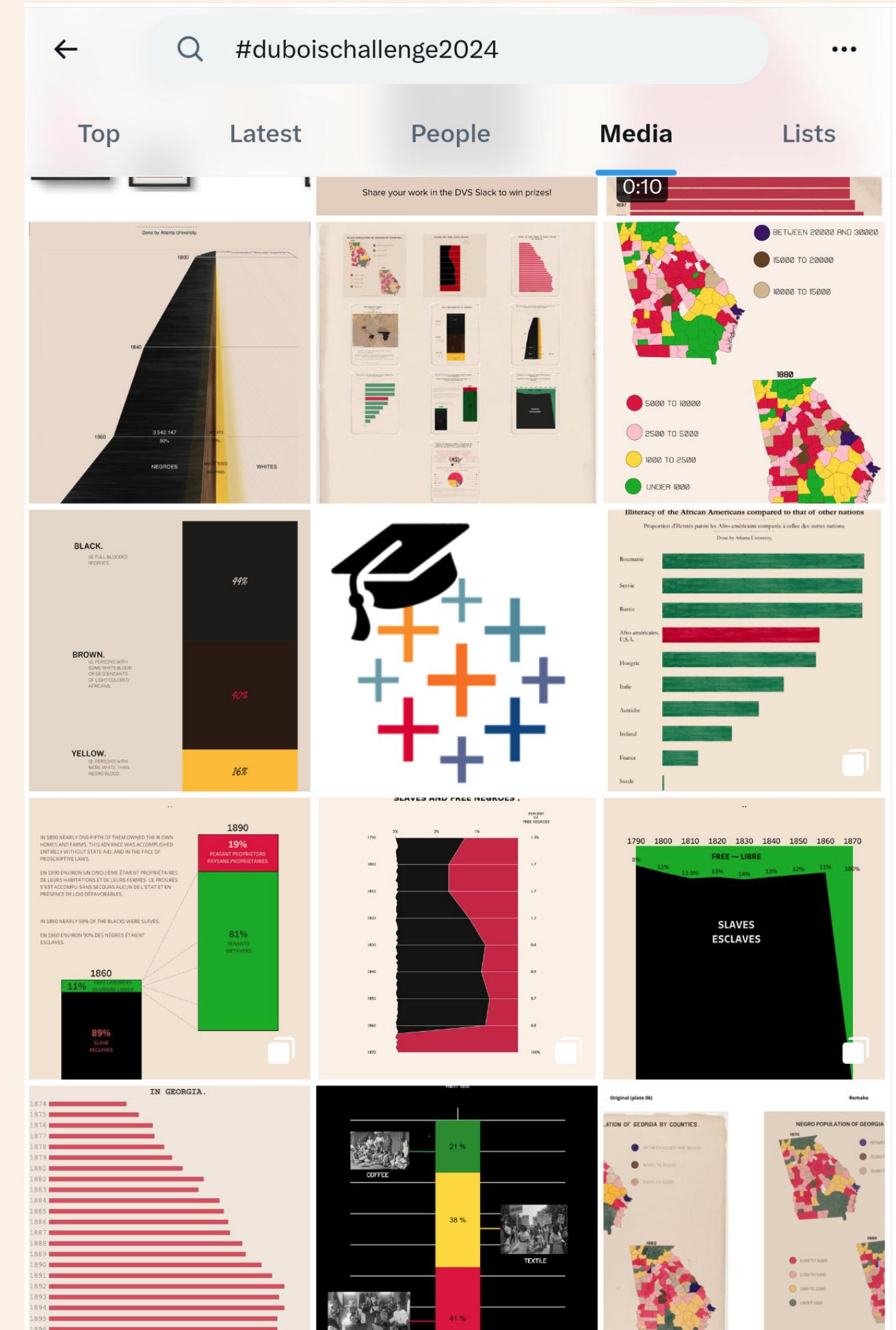
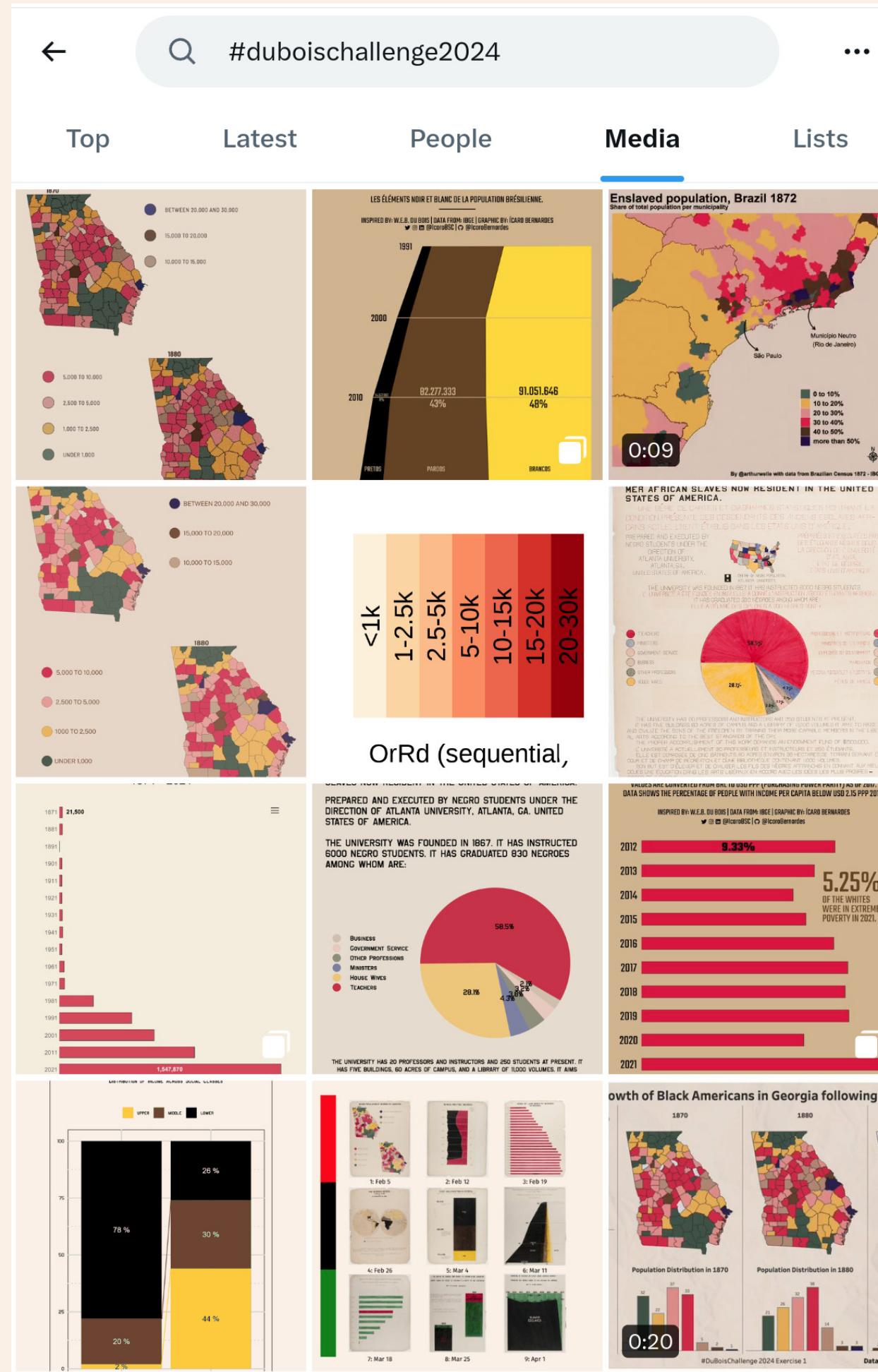
#DuBoisChallenge2024

7:29 AM · Apr 8, 2024 · 177 Views

# Twitter (X) Sample Entries

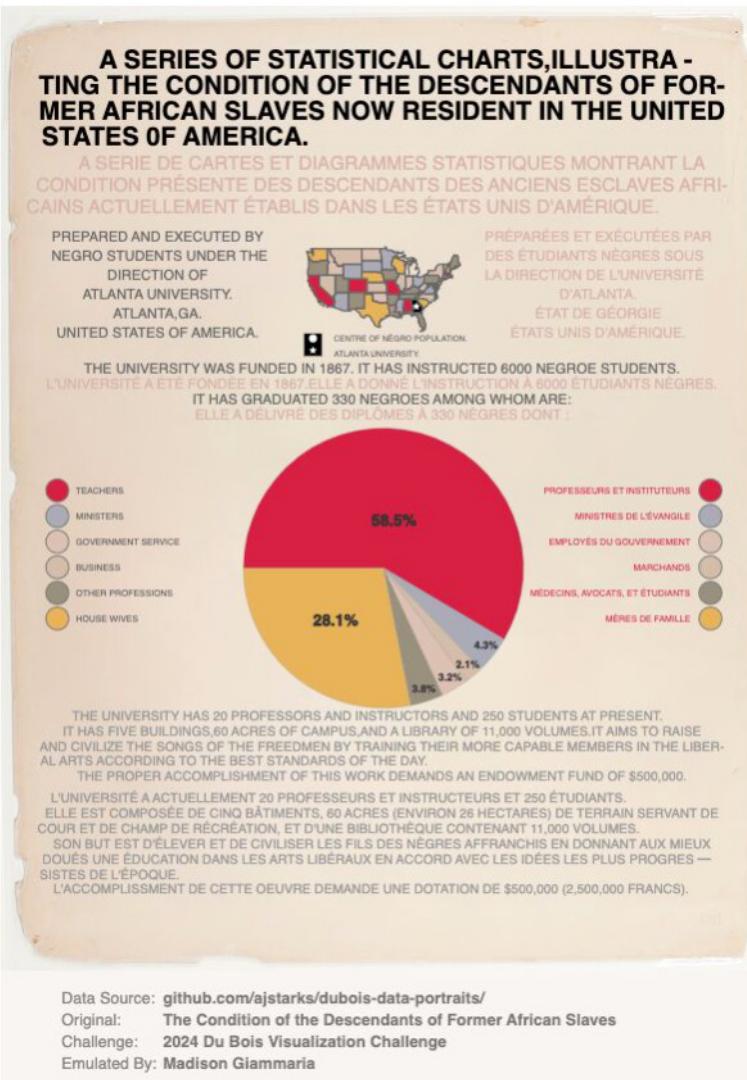


# Twitter #DuBoisChallenge Media



# Linkedin

This is the final week in the 2024 Du Bois Data Visualization Society Challenge. Here is my entry for week 10, built in Vega. ...see more

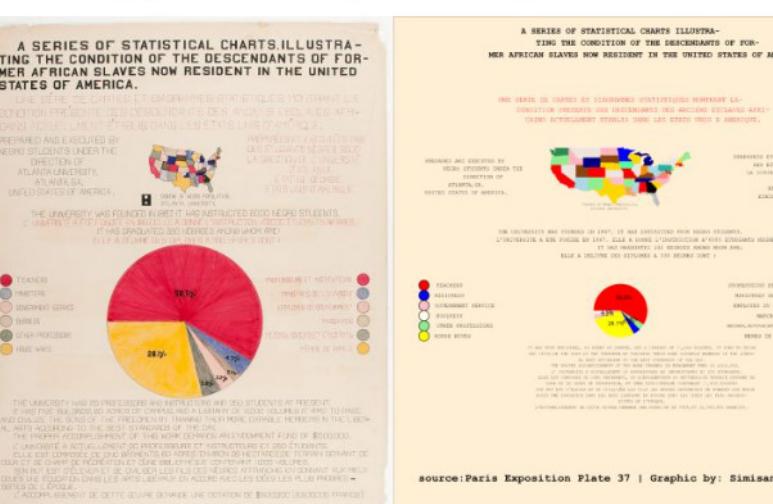


17

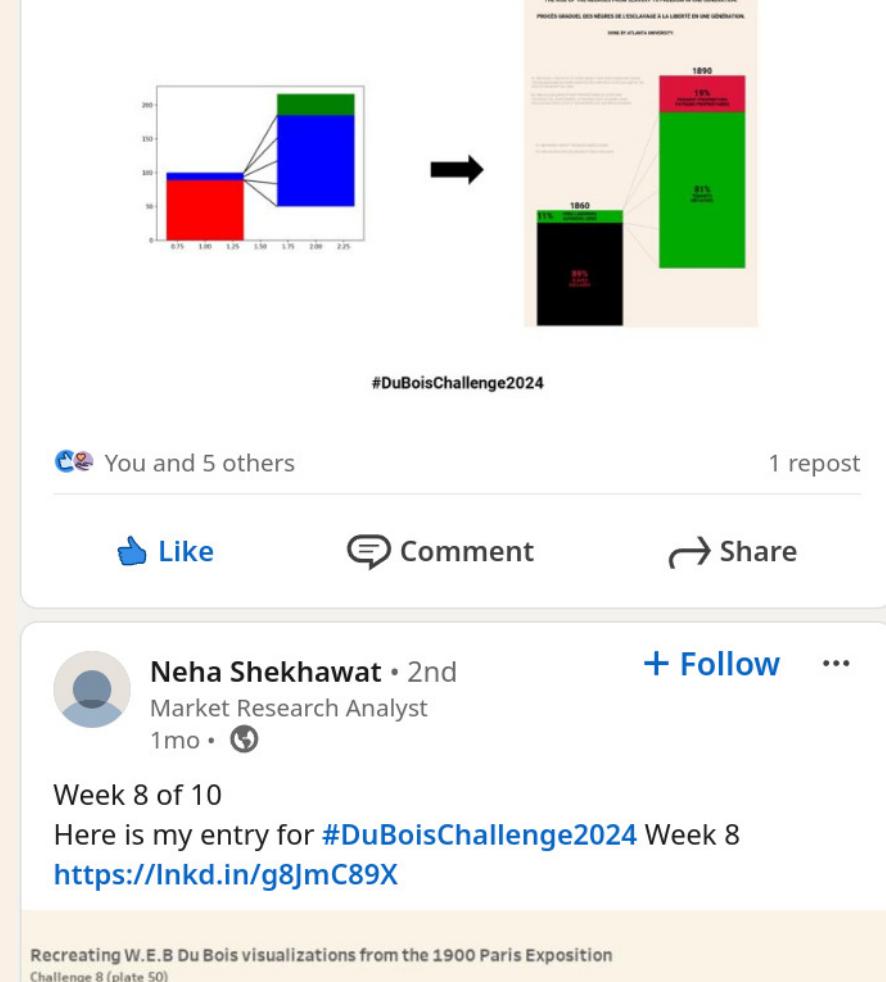
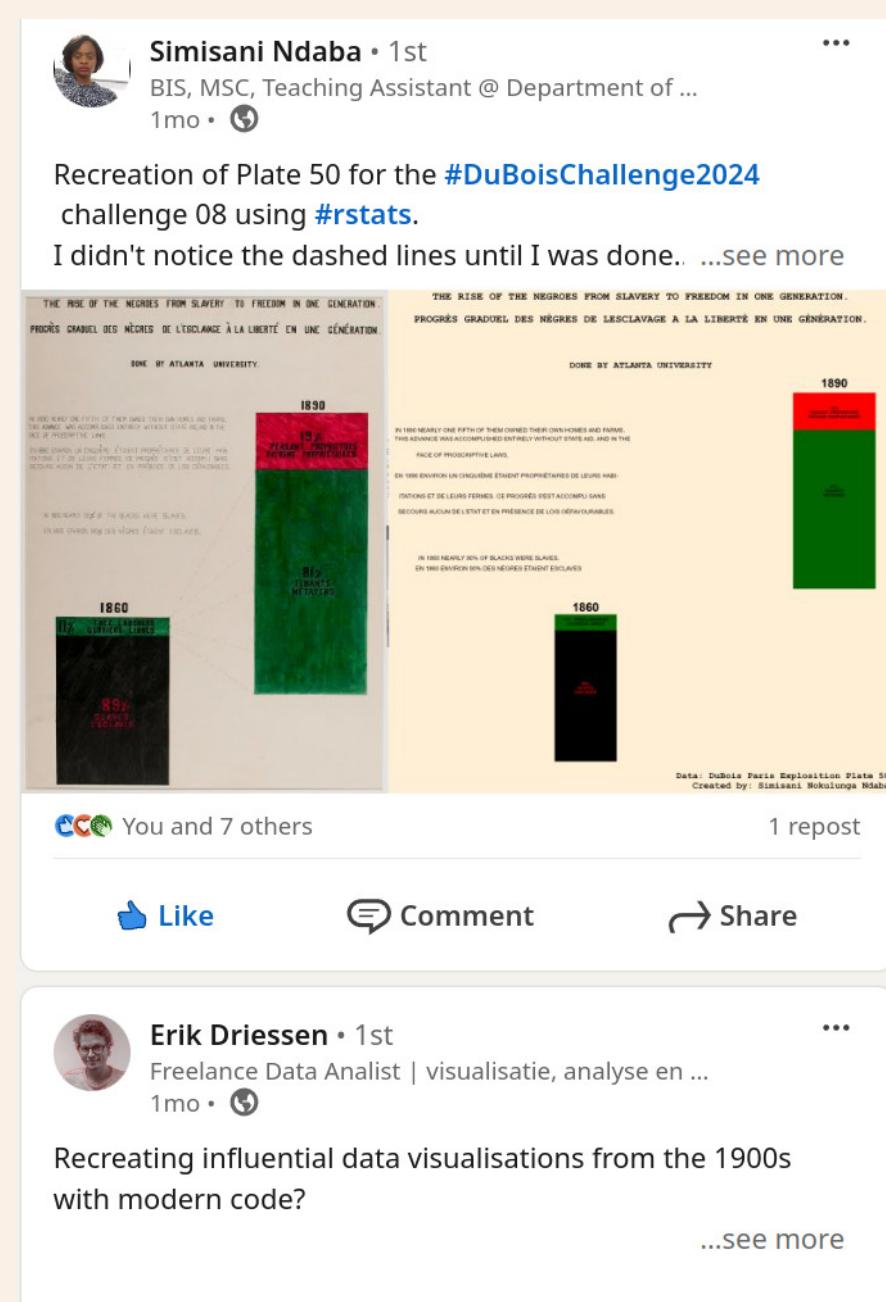
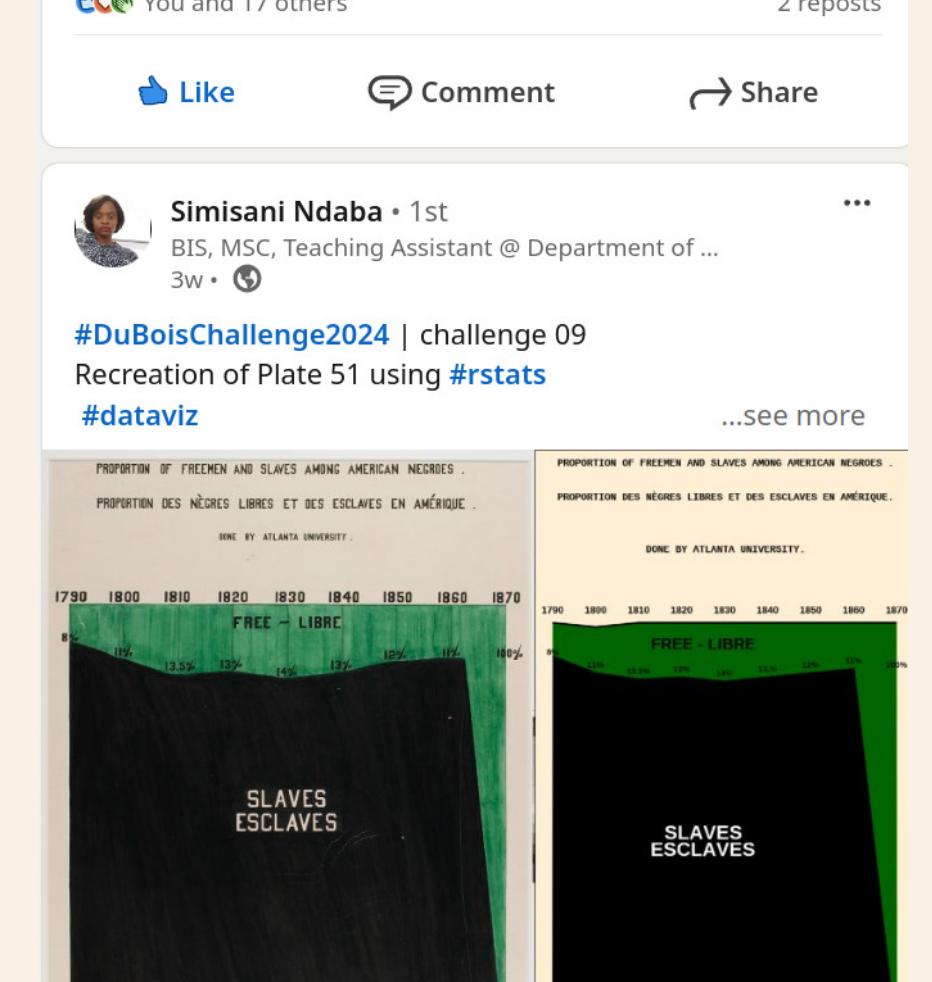
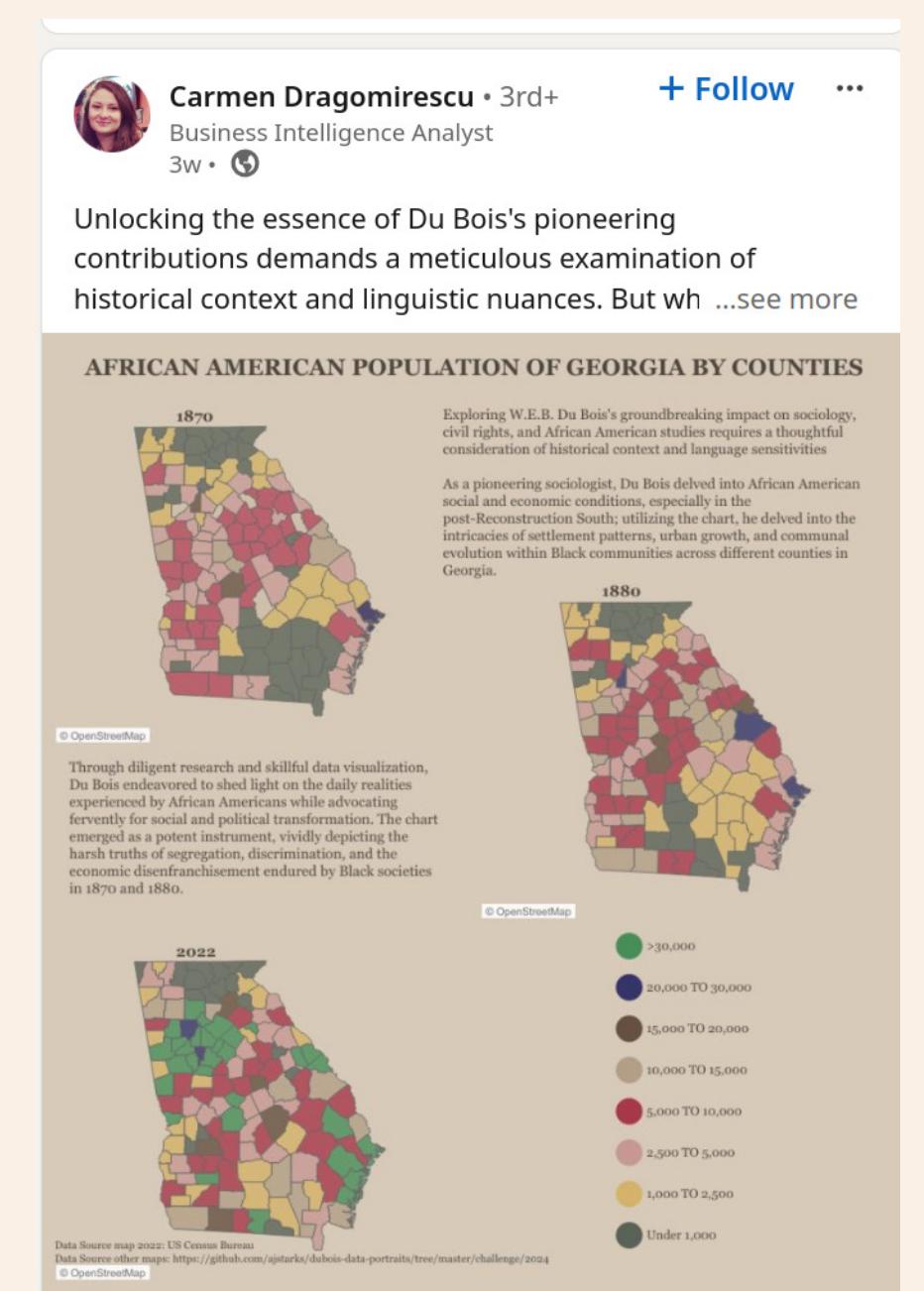
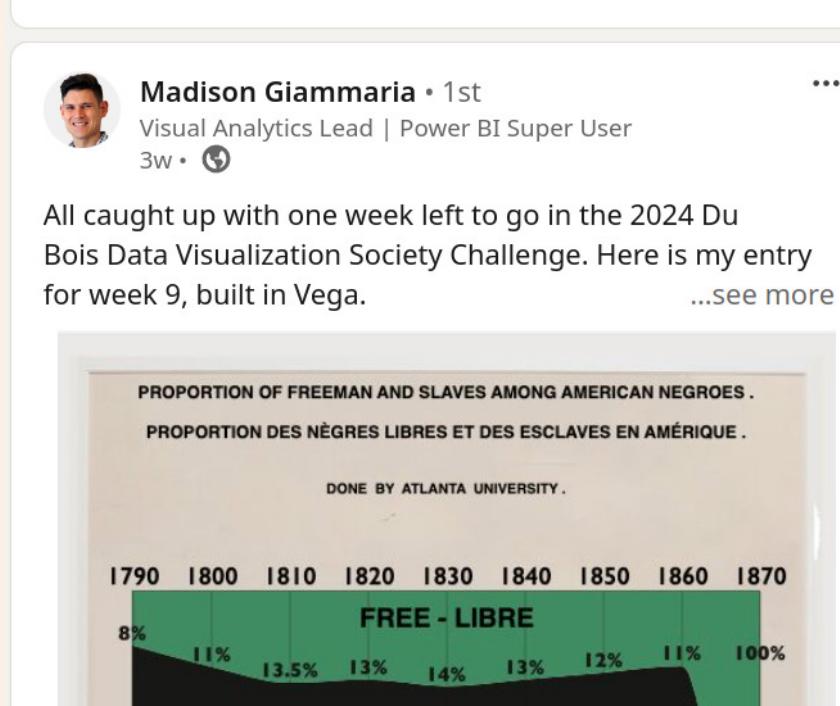
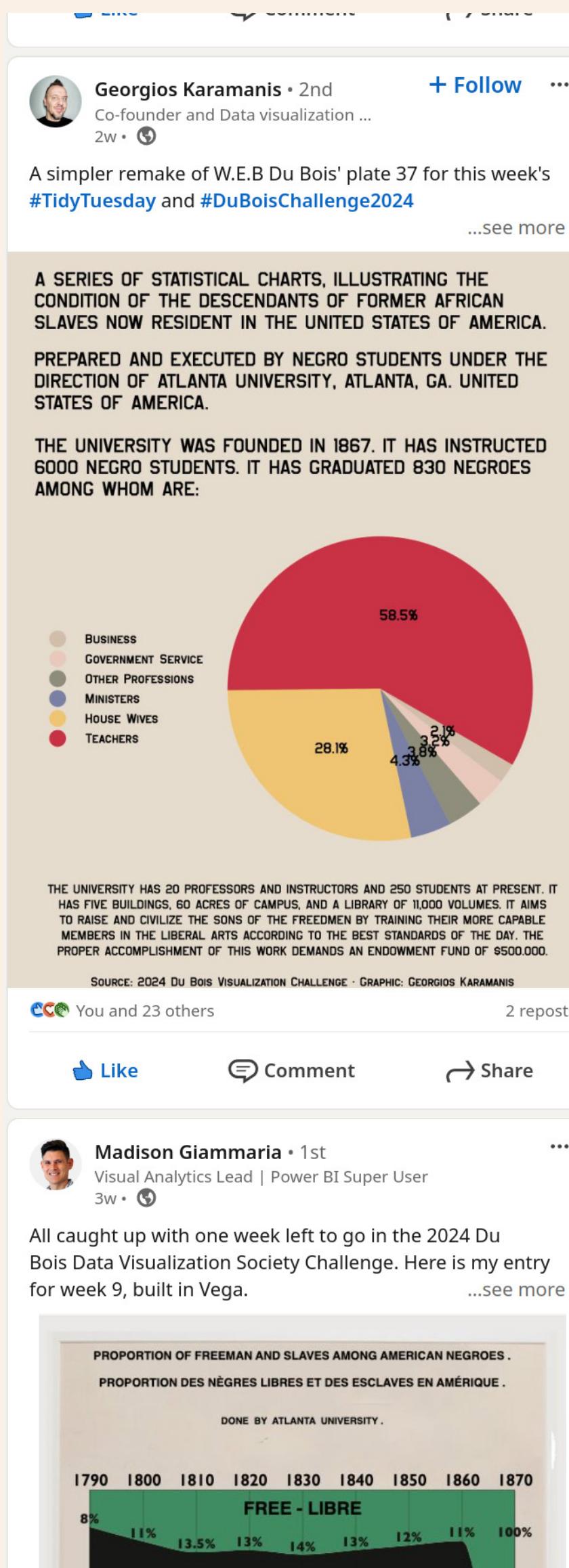
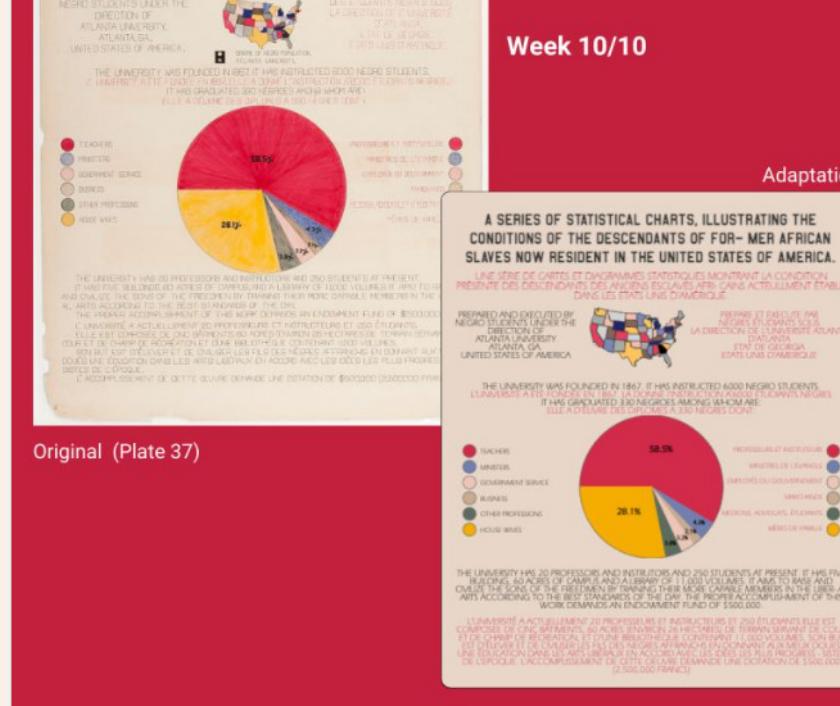
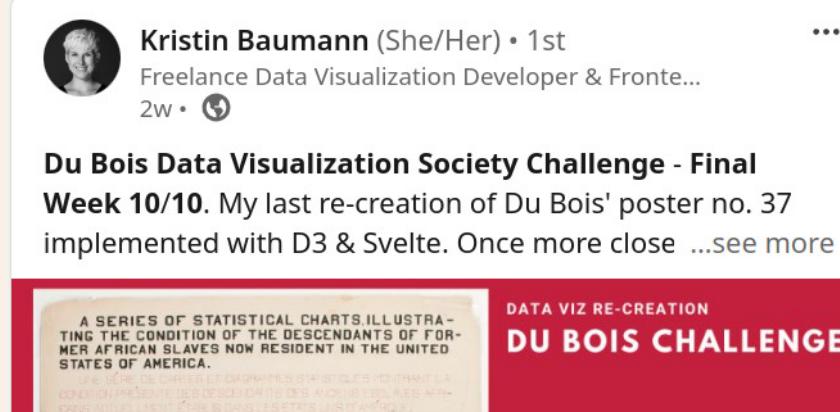
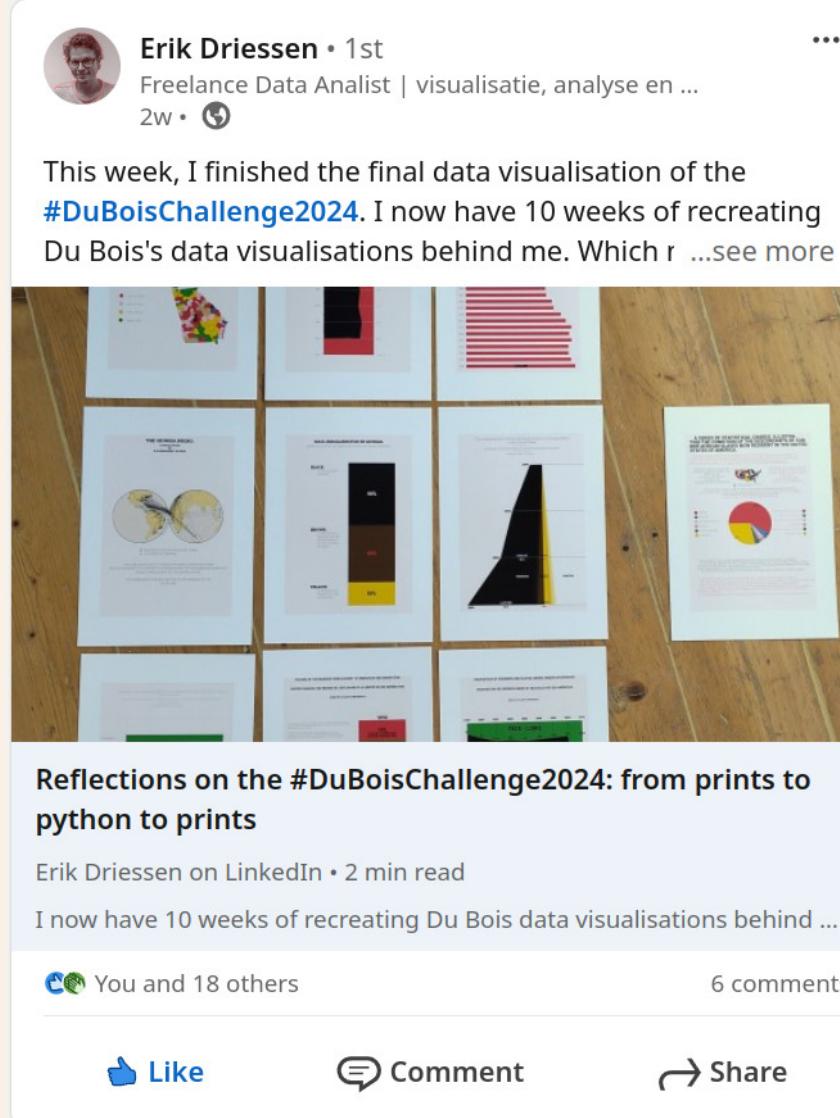
Like Comment Share

Simisani Ndaba • 1st  
BIS, MSC, Teaching Assistant @ Department of ...  
2w •

#DuBoisChallenge2024 | [Final] week 10 -Plate 37  
here is my contribution using #rstats in my capacity.  
Thanks to ajstars for this years challenge. I had ...see more



4



# DVS Slack

Search Data Visualization Society

Search Data Visualization Society

Search Data Visualization Society

Search Data Visualization Society

# challenge-dubois ▾

Monday, April 1st

Molly Kuhs 11:33 AM Week 7 in ggplot/R!! Played around with some fill effects this week! [github/code](https://github.com/makuhs/DuboisChallenge)

2 files

Monday, March 18th

Molly Kuhs 10:59 AM My week 6 using ggplot/R! Not very data-driven code this week but I had fun messing around with shapes and text!! [github/code](https://github.com/makuhs/DuboisChallenge)

2 files

Monday, March 11th

Molly Kuhs 12:50 PM Week 9 in ggplot/R - fun to recreate one of my favorites! [github/code](https://github.com/makuhs/DuboisChallenge)

2 files

Raisa Hannus 5:31 PM My entry for Week 7, made with Tableau. Two minor tweaks: I added an axis at the bottom, and English country names. Link to the workbook in Tableau Public [http://t.ly/\\_hHCg](http://t.ly/_hHCg)

2 files

Raisa Hannus 1:00 PM My entry for Week 9, made with Tableau. I was puzzled at first why the percentages were a magnitude different than the original. I think it's because I used the wrong data source. Correct?

Link to the workbook in Tableau Public [http://t.ly/\\_hHCg](http://t.ly/_hHCg)

2 files

Frederic Fery 5:42 PM Week 7 Done with Tableau, added labels for % "Illiteracy of the American Black People compared with that of other nations." Not sure if Romaine was a typo for Roumanie? <https://public.tableau.com/views/DuBoisChallenge2024Week7/DuBoisChallenge2024Week7?:language=en-US> DuBoisChallenge2024\_Week 7.png

Tableau Public #DuBoisChallenge2024 - Re-Visualizing the Black America of W.E.B. DuBois #DuBoisChallenge2024 - <https://github.com/ajstarks/dubois-data-portraits/blob/master/challenge/2024/README.md> (346 kB)

Frederic Fery 5:41 PM Week 9 submission with Tableau <https://public.tableau.com/app/profile/fredfery/viz/DuBoisChallenge2024Week9>

Tableau Public

# challenge-dubois ▾

Monday, March 4th

Molly Kuhs 10:59 AM Good morning! I created this week's visualization in Tableau Public. Du Bois highlighted the number of slaveholders varied by state in 1860. Why was the text red? To explore that question, I examined how sex, age, color, and state the number of slaveholders varied by state in 1860. #duboischallenge2024 (106 kB)

4 files

Tableau Public DuBoisChallenge2024\_05a

While exploring Du Bois's Plate 13 visualization, I wondered if there was a relationship between the number of slaveholders an enslaved person had and their sex, age, color, and state in 1860. #duboischallenge2024 (106 kB)

Raisa Hannus 2:51 PM Week 6 was another favorite of mine with lots of detail, and I even got to pull out the good old ruler to get diagonal lines and a light yellow shape. [Link to workbook in Tableau Public](http://t.ly/_hHCg)

2 files

Ajstarks 6:45 AM The visual for #DuBoisChallenge2024 Week 5 is a single bold monolith of a stacked bar chart, showing the ethnic make-up of people of color in Georgia, using literal colors to describe the population. <https://public.tableau.com/views/DuBoisChallenge2024Week5/DuBoisChallenge2024Week5?:language=en-US> original-plate-13.jpg

edriessen 6:58 AM Challenge 05 felt like a relief to me when I compare it with last week's map projections. Below is my version of the stacked bar chart, made in matplotlib (python). Some notes on my approach: I used a color palette from the 'Set3' colormap. I also used a bold font for the labels. I hope you like it! <https://www.edriessen.com/2024/02/07/developing-du-boiss-data-portraits-with-python-and-matplotlib/> (edited) challenge 05 - with colours -v3.png

Tableau Public #DuBoisChallenge2024 - Re-Visualizing the Black America of W.E.B. DuBois #DuBoisChallenge2024 - <https://github.com/ajstarks/dubois-data-portraits/blob/master/challenge/2024/README.md> (124 kB)

Tableau Public DuBoisChallenge2024: Week 7 DuBoisChallenge2024: Week 7 (747 kB)

Tableau Public

# challenge-dubois ▾

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4 files

Tableau Public DuBoisChallenge2024\_05a

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2 files

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Tableau Public DuBoisChallenge2024: Week 7 DuBoisChallenge2024: Week 7 (747 kB)

Tableau Public

# challenge-dubois ▾

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4 files

Tableau Public DuBoisChallenge2024\_05a

While exploring Du Bois's Plate 13 visualization, I wondered if there was a relationship between the number of slaveholders an enslaved person had and their sex, age, color, and state in 1860. #duboischallenge2024 (106 kB)

# Camaal Moten on DVS Slack

Thread # challenge-dubois X



**Camaal Moten** 1 month ago

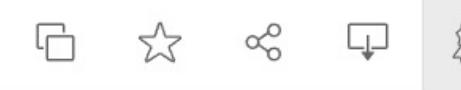
I have a hectic week, so I'm posting a little early. This week, I recreated W.E.B. Du Bois's original plate 50 using [Tableau](#). Google Translate provided French Translations. Curious about how the data changed, I generated a secondary visualization using IPUMS data using Python and Affinity Design 2. It was a little discouraging to see that the rate of homeownership in the Black community was only recently starting to resemble what the White community has experienced since the early 1900s. Looking at the differences from the previous year in each community revealed that the Black community experienced more years of growth and less loss, highlighted in green. I can only imagine how things would look if Jim Crow laws weren't in place so long, but the same spirit captured in 1890 continued for two more generations. (edited)

3 files ▾



# Collections

W.E.B. Du Bois Portrait Gallery | #DuboisChallenge2024 by [Faith Rotich](#)



## Nominate for Viz of the Day

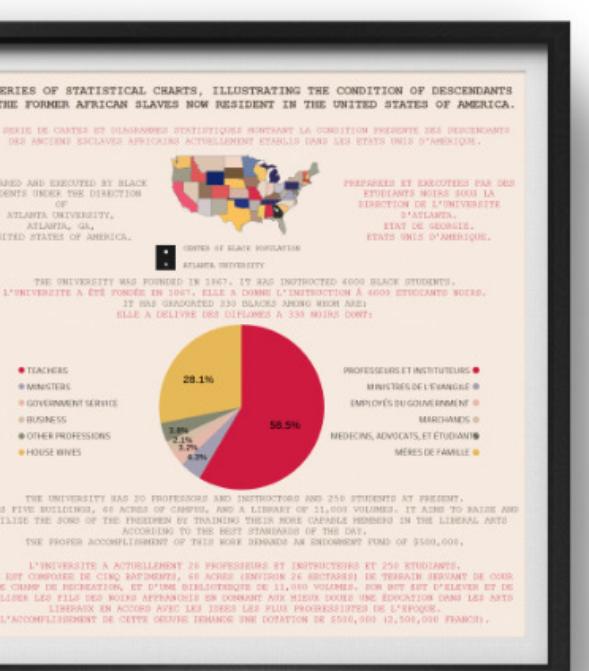
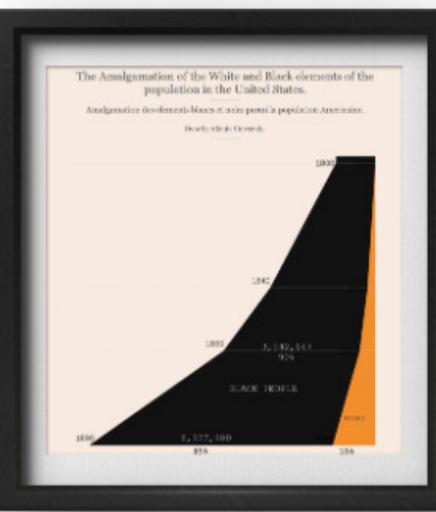
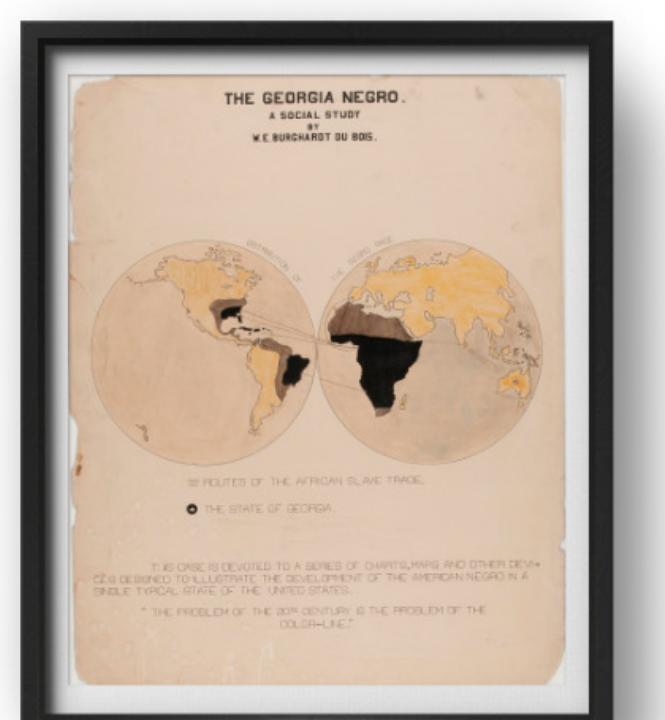
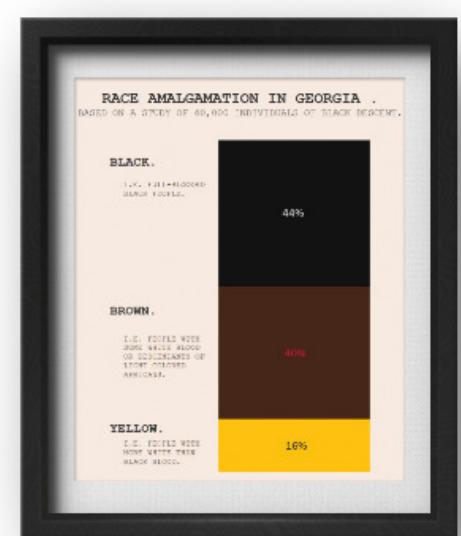
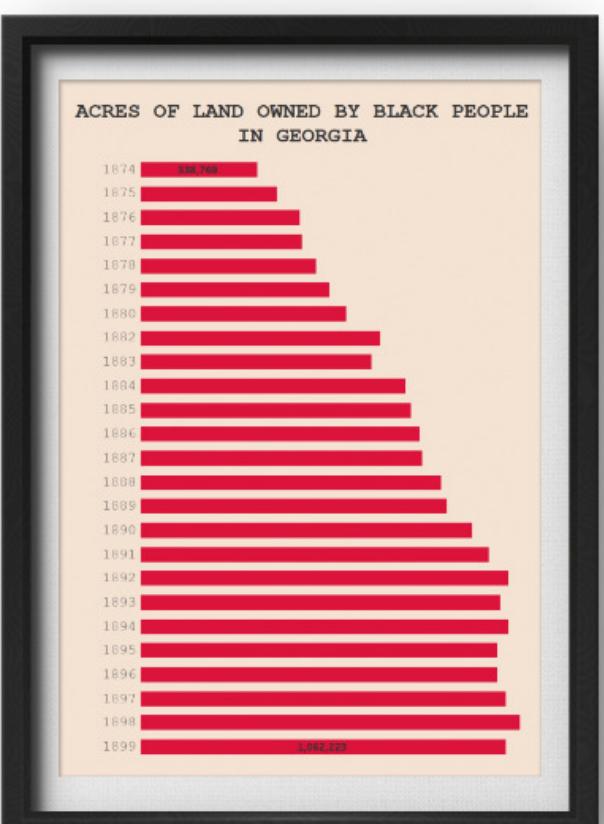
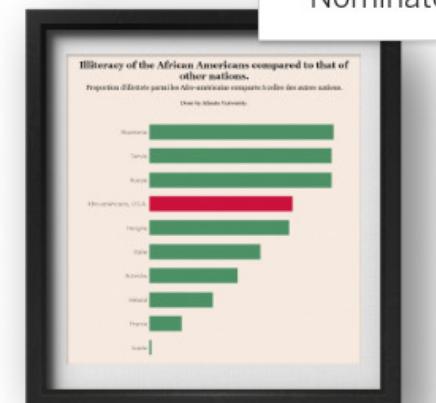
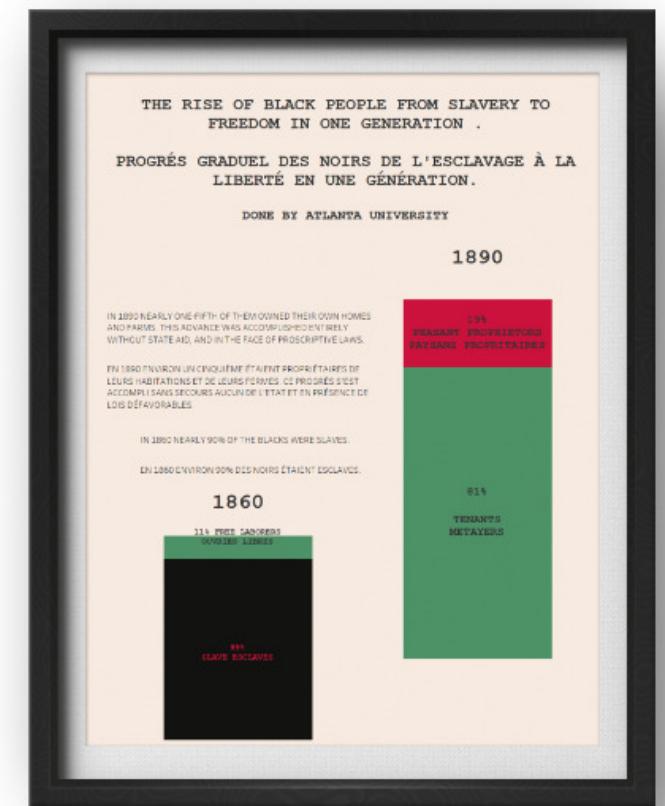
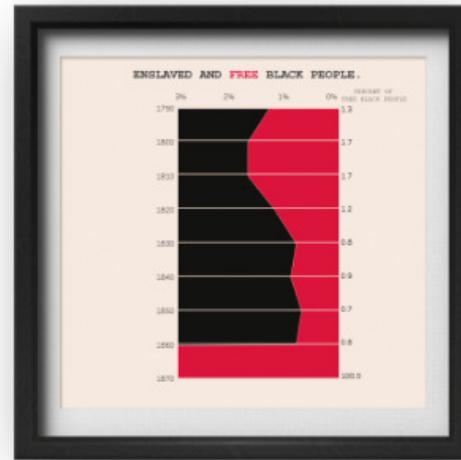
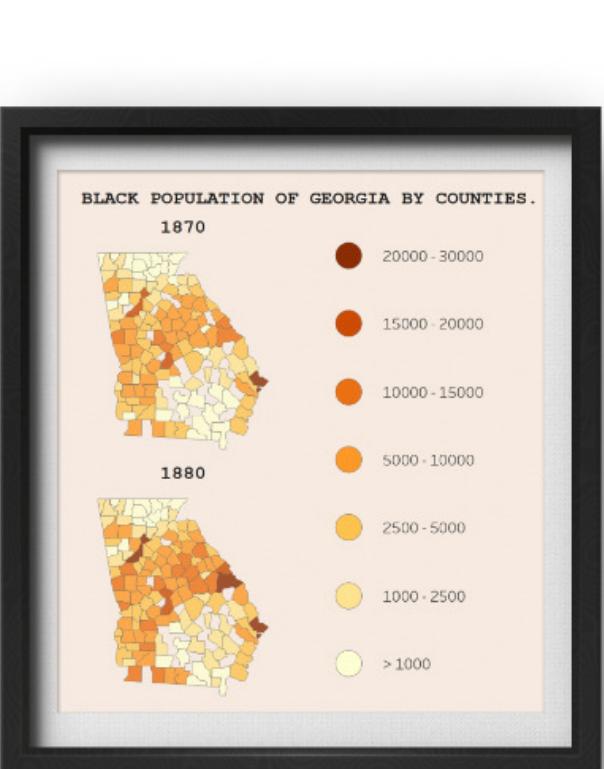
**W.E.B. DU  
BOIS  
PORTRAIT  
GALLERY**

W.E.B. Dubois was an American sociologist, writer, and Pan-Africanist civil rights activist. He was the primary organizer of 'The Exhibit of American Negroes' at the 1900 Paris Exposition for which he put together 363 photographs to commemorate the lives of African Americans at the turn of the century.

The goal of the annual #DuboisChallenge is to celebrate the data viz legacy of W.E.B Du Bois by recreating some of the visualizations from the 1900 Paris Exposition using modern tools.

DATA: Anthony Stacks  
DESIGN: Faith Rotich

► Select the frames to see the recreation in detail along with the original plate.



 [View on Tableau Public](#)



# Follow up Blogs

**DESIGN**

## Recreating Historical Dataviz: Three Tricks I Learned In The Du Bois Data Visualization Challenge

Kristin Baumann • April 15, 2024



What do you imagine W.E.B. Du Bois would think if he saw data visualization enthusiasts from around the world recreating his work more than a hundred years later? As for the lack of time travel, we cannot ask him, but I would guess that his lasting impact would make him proud.

February 7, 2024



**EDRIESEN**

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## DEVELOPING DU BOIS'S DATA PORTRAITS WITH PYTHON AND MATPLOTLIB

Sometimes, it feels like life is pushing me to do something. I first heard about W.E.B. Du Bois in April 2021, during S-H-O-W 2021 (a data visualisation event). I asked a speaker for book recommendations, and he recommended *The Souls of Black Folk*.

After that, it was quiet for a while. But recently a few things happened in the span of a couple of weeks:

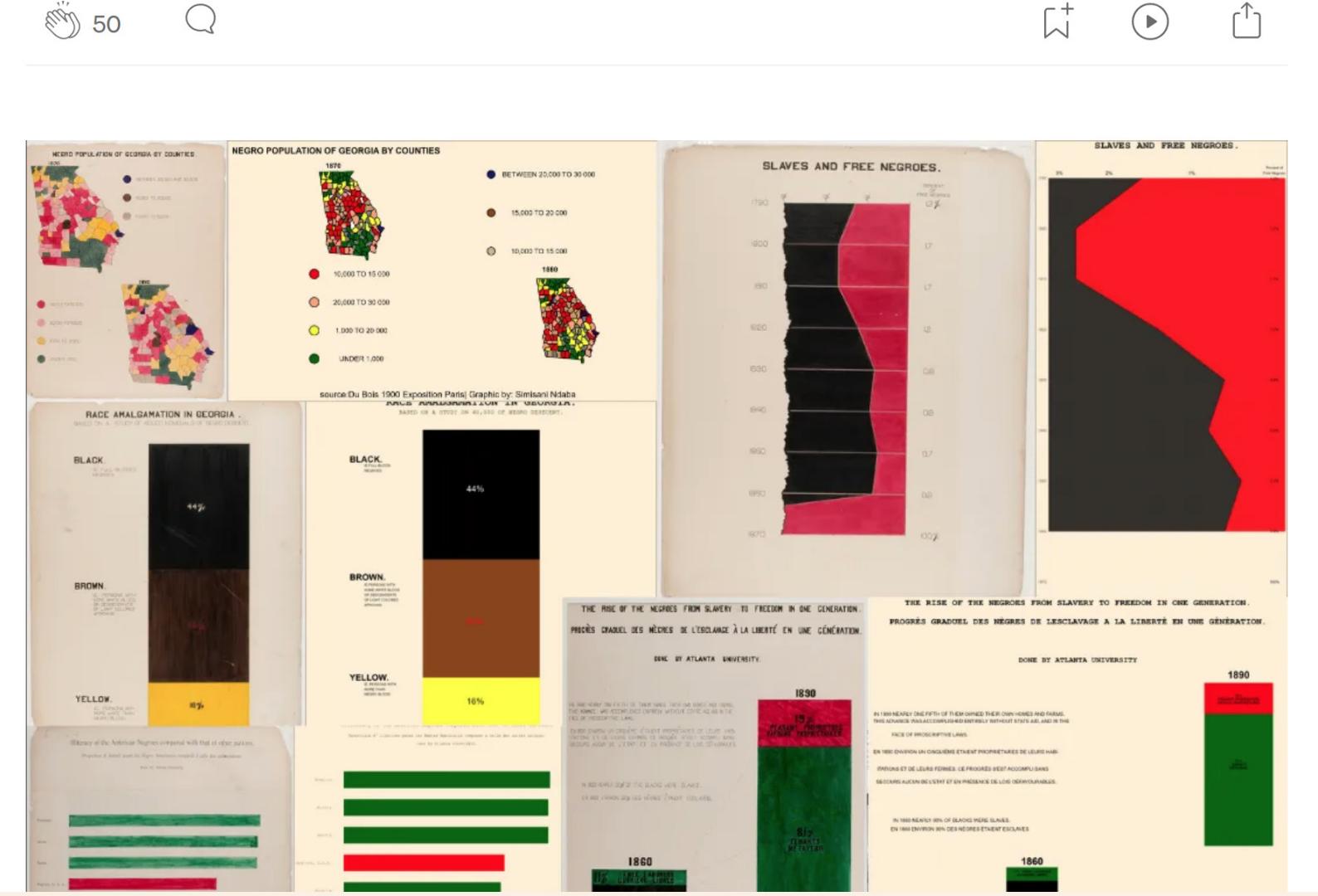
- After my first year of full-time freelancing (2023), I decided to reward myself with some inspiration and I got myself a copy of *W.E.B. Du Bois's Data Portraits, Visualising Black America*.
- Around the same time, I started reading the sci-fi book *Seveneves*, in which one of the main characters is called Dubois.
- When I finished that read, I started *Underground Railroads*. This book gave me some new insights in the history of slavery.
- And a few days later I took time to sit down on a quiet afternoon to finally read W.E.B. Du Bois's Data Portraits.

Not long after that, I see an announcement from [Data Visualisation Society \(DVS\)](#) about an open competition:

## 2024 Du Bois Challenge using R Programming.



Simisani Ndaba · Follow  
Published in **ILLUMINATION** · 7 min read · May 15, 2024



# Tomorrow's Promise

CAMAAL MOTEN

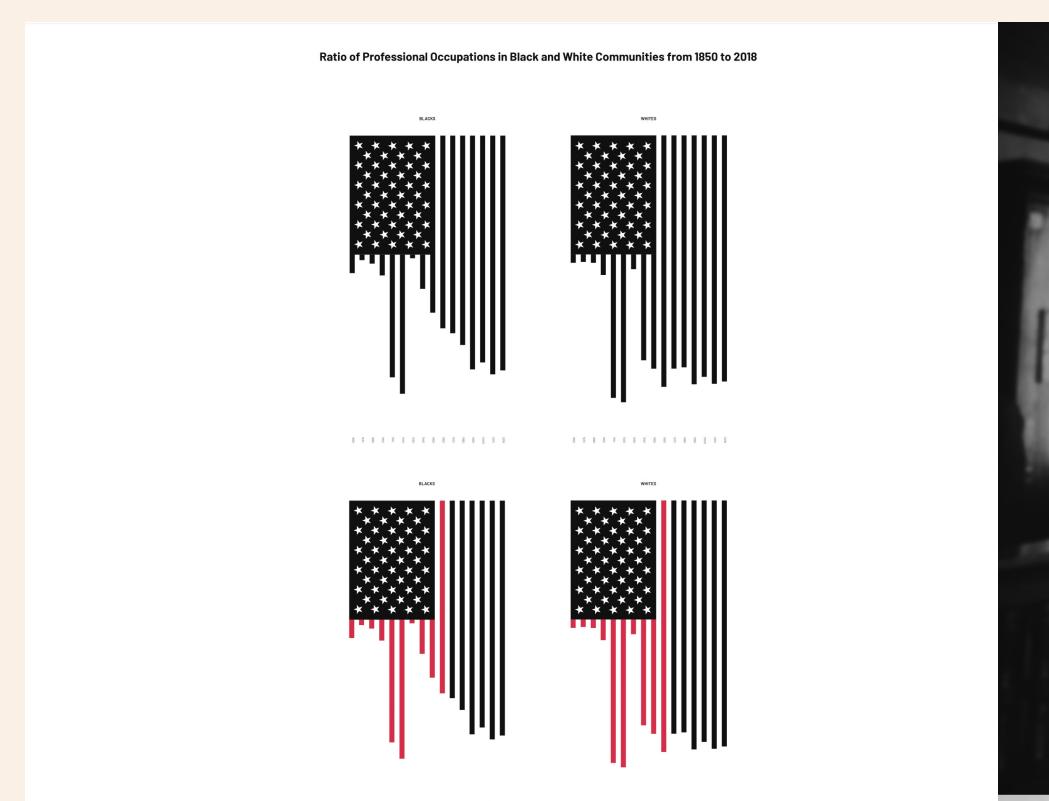
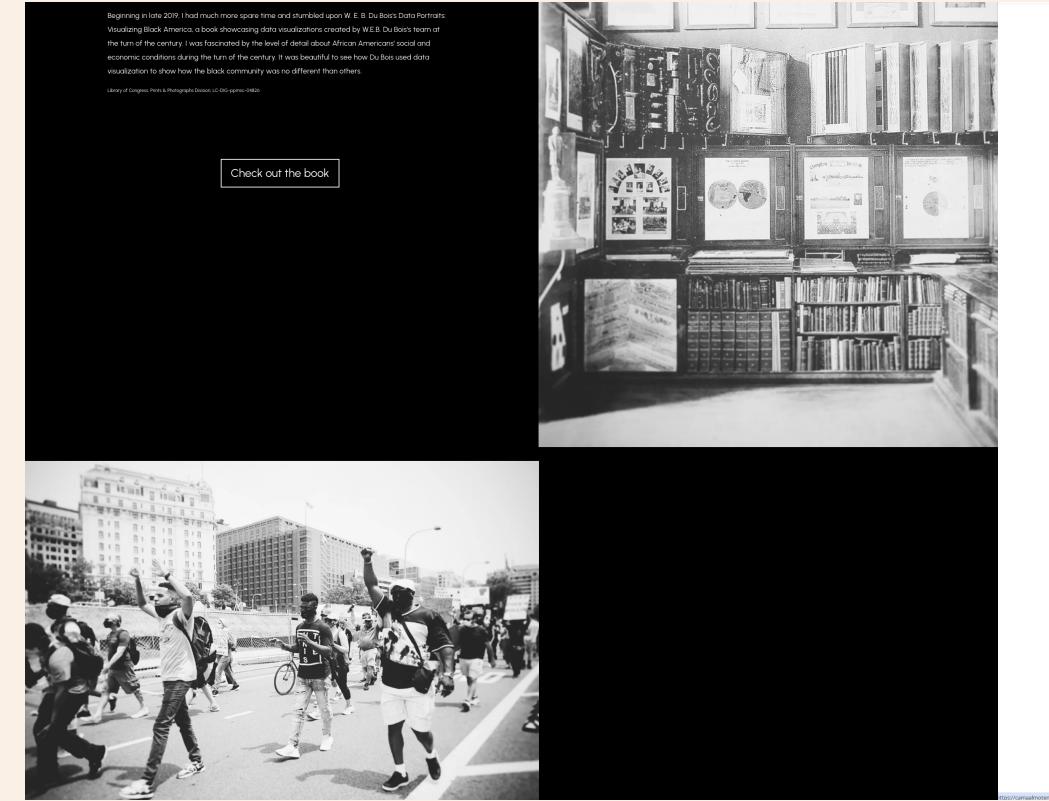
PROJECTS ▾ ABOUT

## TOMORROW'S PROMISE

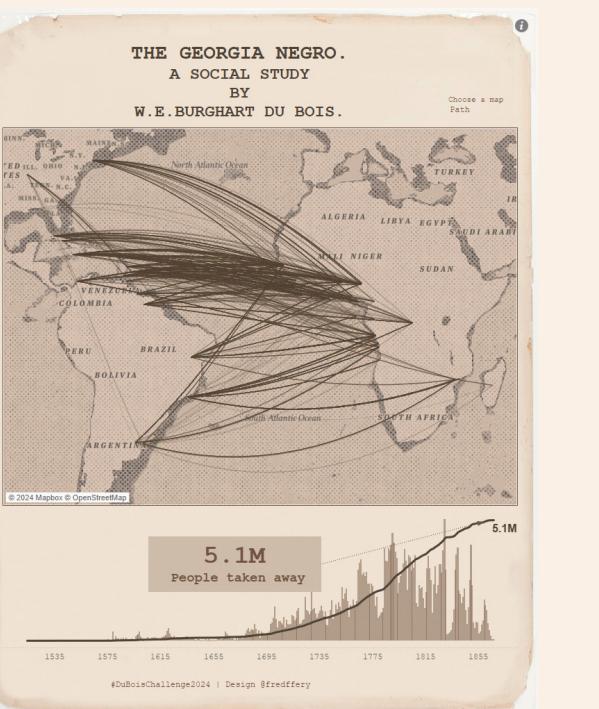
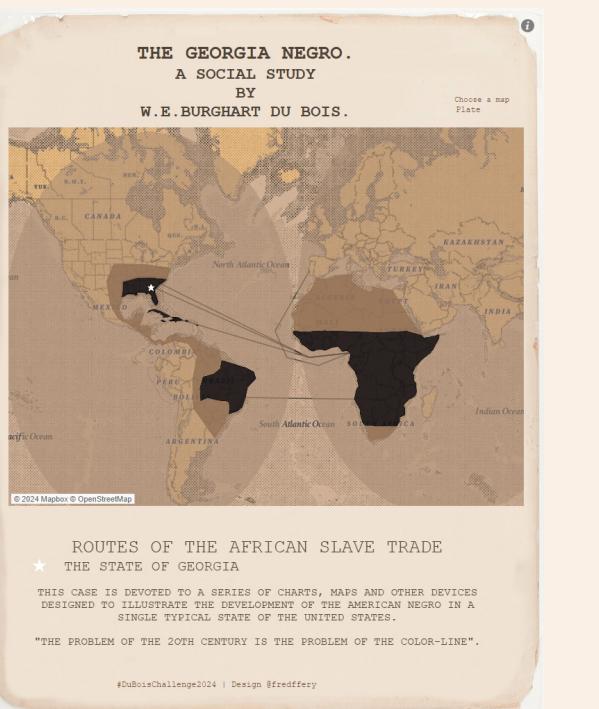
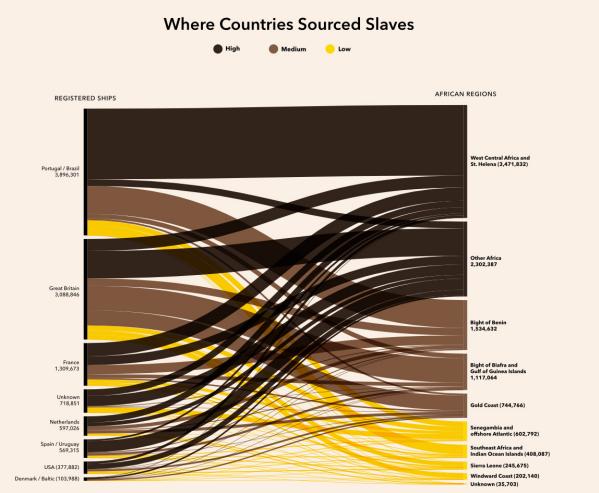
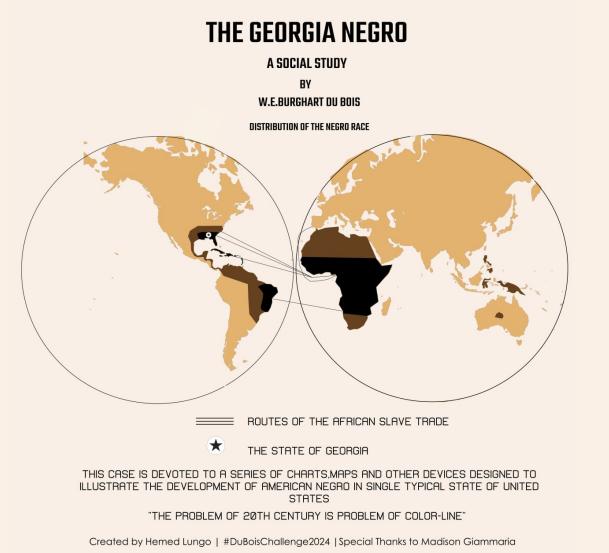
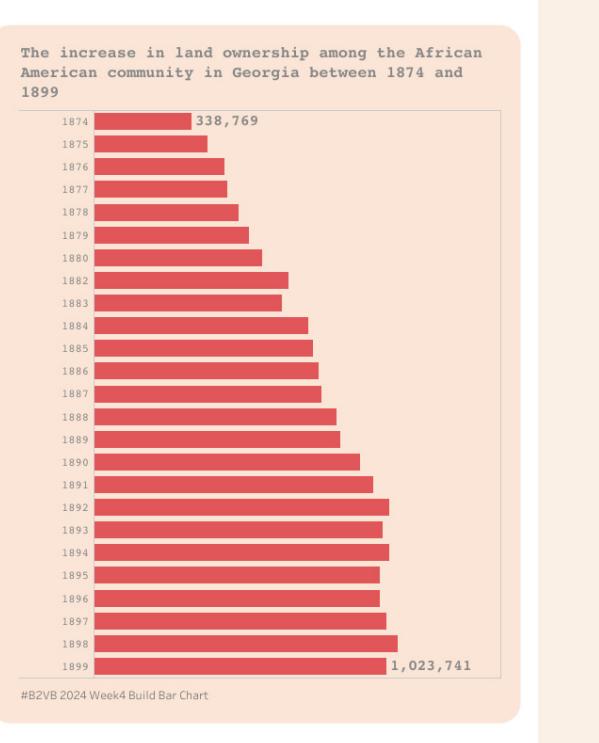
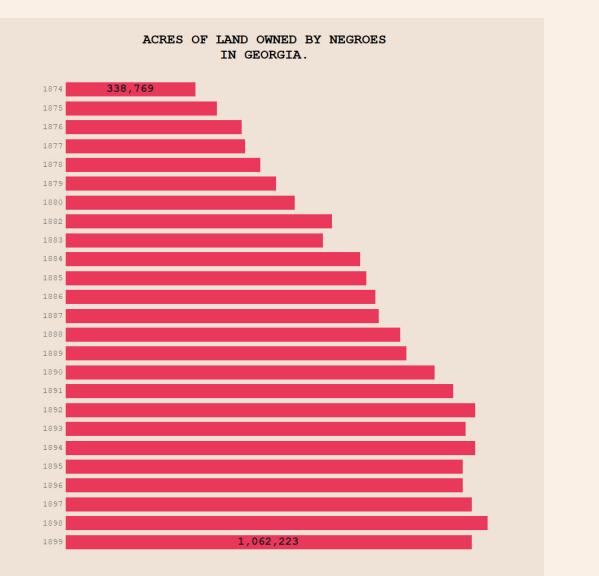
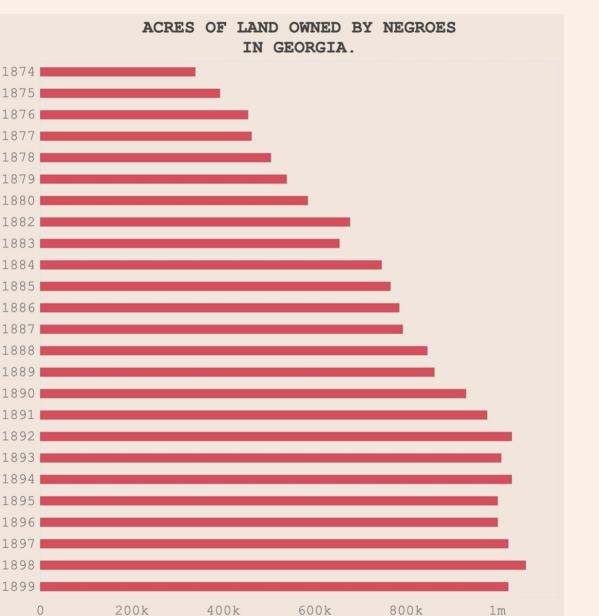
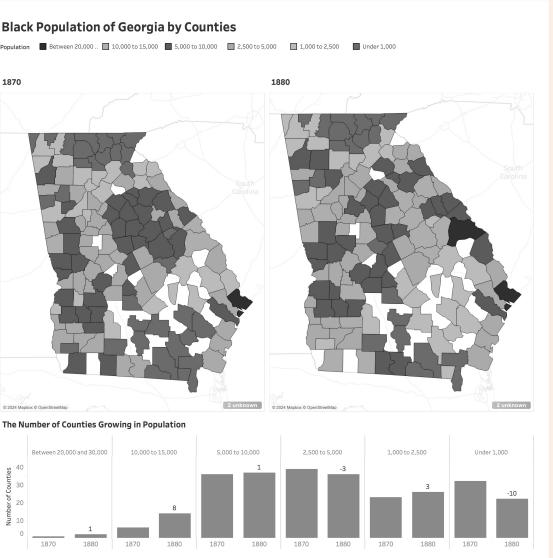
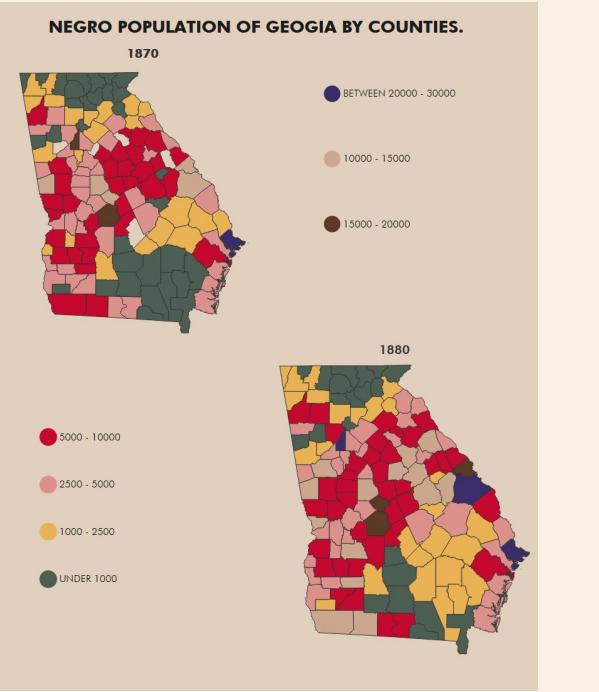
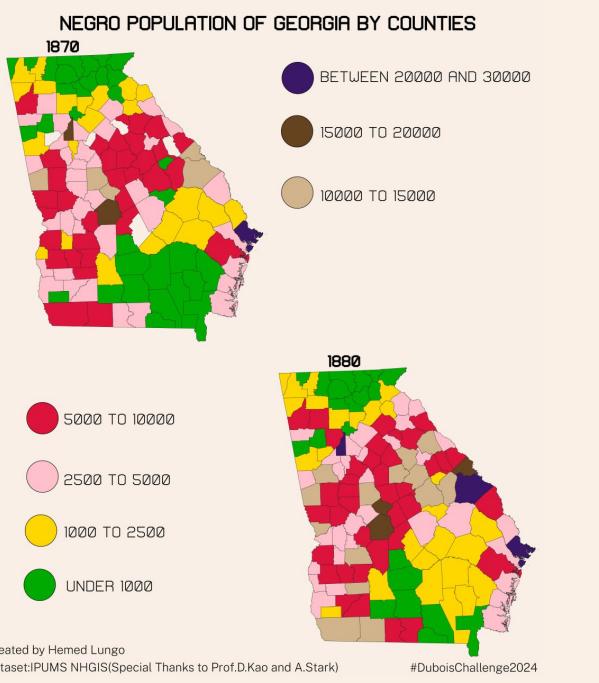
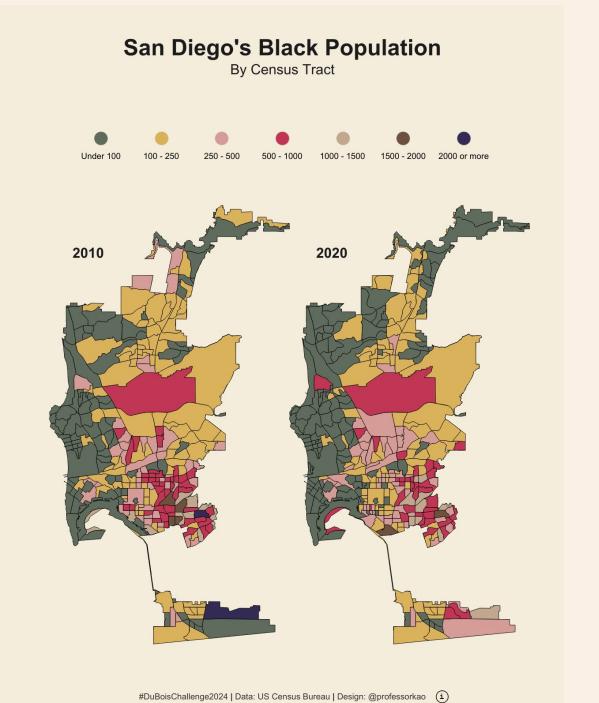
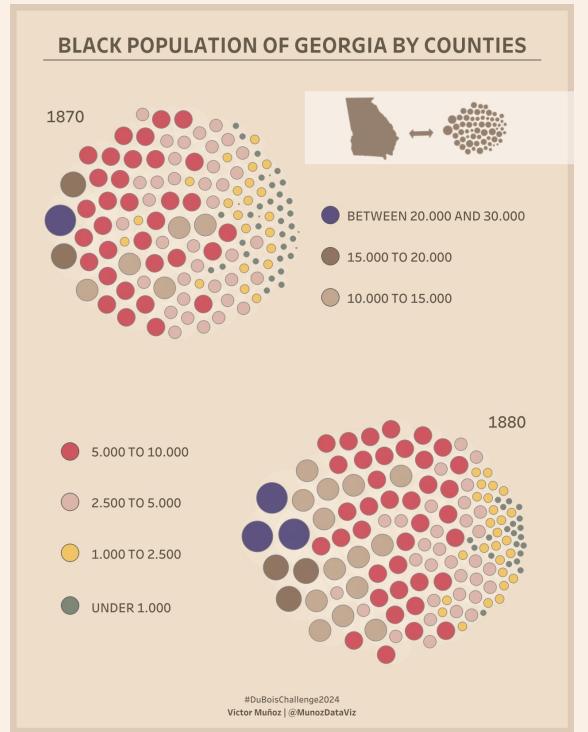
REVISITING DU BOIS IN A MODERN CONTEXT

Beginning in late 2019, I had much more spare time and stumbled upon W.E.B. Du Bois Data Portraits: Visualizing Black America, a book showcasing data visualizations created by W.E.B. Du Bois' team at the Atlanta University Center Research Institute. It was a reminder of how much work he did to understand the economic conditions during the turn of the century. It was beautiful to see how Du Bois used data visualization to show how the black community was so different from others.

[Check out the book](#)



# Variations



# Meetings



CAMBRIDGE R-Ladies Data viz lunch with: Federica Gazzelloni Independent researcher

Replicating Du Bois with R

Monday 4th of March 12 pm GMT online

Join us during your lunch break to bake your Du Bois data visualisation

A purple bowl containing various items, including a whisk and some papers, is shown at the bottom.

A DVS-sponsored community event:  
**The DuBois Challenge**  
Kevin Ford

Senior Manager at the Discover Financial Services  
Co-Leader of Chicago TUG & DataViz Community

Cohosted by  
the DVS-Affiliated Chicago DataViz Community &  
the Chicago Tableau User Group

7 Mar 2024 (Thu), 4:30 PM to 6 PM (Central Time)  
Virtual event, free registration (link in the post)

ALT

A portrait of Kevin Ford, a man with glasses and a beard, wearing a purple shirt.

**2024 Du Bois Challenge using R**  
with Simisani Ndaba

Thursday 30th May @ 2pm CAT | 12:00 pm UTC

A portrait of Simisani Ndaba, a woman with dark hair, wearing a grey shirt.

R-Ladies Gaborone logo

<https://r-ladiesgaborone2021.quarto.pub>

# R Code Walk-through

Zoom Meeting

This meeting is being recorded.

Asa, Andrew, Bahouar El-hous... (Leave meeting), JesseMichaels (OK)

You are viewing simisani.ndaba's screen | View Options

Recording

2024DuBoisVisualisationChallenge - RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Untitled1\* | data1870\_georgia\_counties | data1880 | data1870

Source on Save | Run | Source

85 a  
86  
87  
88 #Top right Legend:  
89 df <- data.frame(x=c(1, 2, 2, 3, 3, 4, 8, 10),  
90 y=c(2, 4, 5, 4, 7, 9, 10, 12))  
91 b <- ggplot(data = df, aes(x, y)) +  
92 theme\_void() +  
93 geom\_circle(aes(x0=1, y0=8, r=0.2),  
94 fill='midnightblue', inherit.aes=FALSE) +  
95 geom\_circle(aes(x0=1, y0=6, r=0.2),  
96 fill='chocolate4', inherit.aes=FALSE) +  
97 geom\_circle(aes(x0=1, y0=4, r=0.2),  
98 fill='tan', inherit.aes=FALSE) +  
99 scale\_x\_continuous(expand = c(0, 0),  
100 #breaks = seq(0, 10, 1000),  
101 limits = c(0, 10)) +  
102 coord\_fixed() +  
103 annotate(geom = "text",  
104 x = 3.5, y = 4,  
105 size = 4, color = "black", lineheight = .6,  
106 label = "10,000 TO 15 000") +  
107 annotate(geom = "text",  
108 x = 3.5, y = 6,  
109 size = 4, color = "black", lineheight = .6,  
110 label = "15,000 TO 20 000")

88:1 (Top Level)

Console Terminal Background Jobs

R 4.3.2 · ~/2024DuBoisVisualisationChallenge/

```
+     population +  
+ theme(legend.position="none") +  
+ annotate(geom = "text",  
+         x = -84.6, y = 35.3,  
+         size = 4, color = "black", lineheight = .9,  
+         label = "1870" , fontface = "bold")  
> a  
>
```

Participants Chat Share screen Summary AI Companion Record Show Captions Reactions Raise Hand Whiteboard Notes

Leave

Recording

Environment History Connections Build Tutorial

Import Dataset 263 MiB

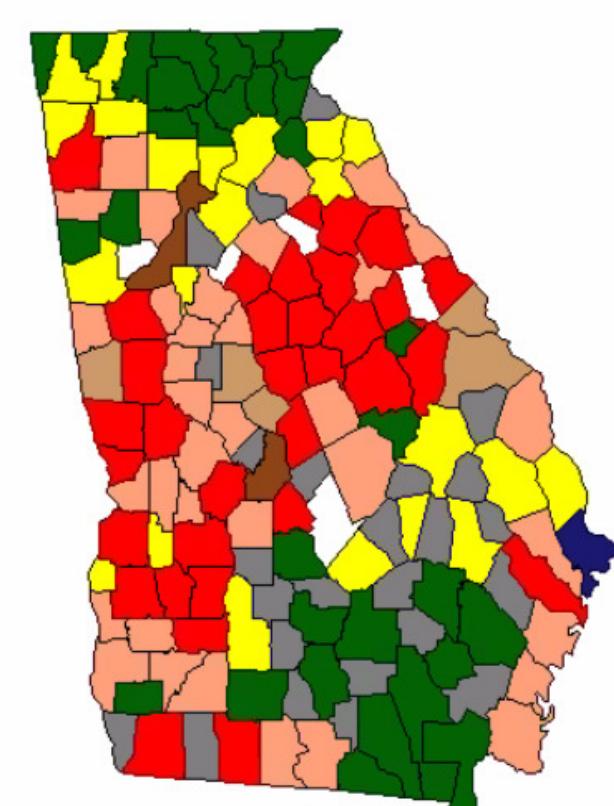
Data

- a List of 11
- b List of 11
- d List of 11
- data1870 137 obs. of 2 variables
- data1870\_georgia\_coun... 5117 obs. of 7 variables
- data1880 137 obs. of 2 variables
- data1880\_georgia\_coun... 5117 obs. of 7 variables

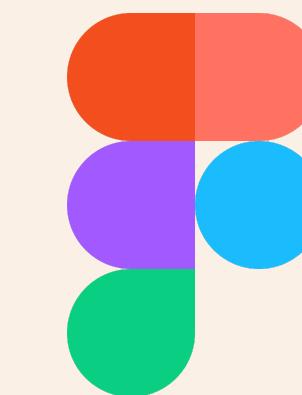
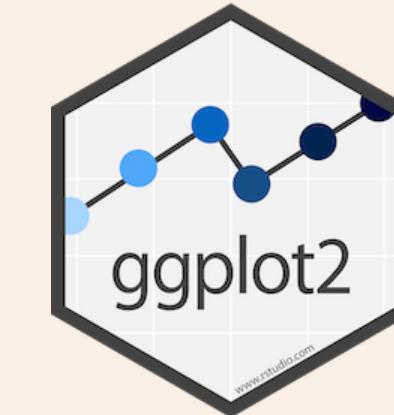
Files Plots Packages Help Viewer Presentation

Zoom Export

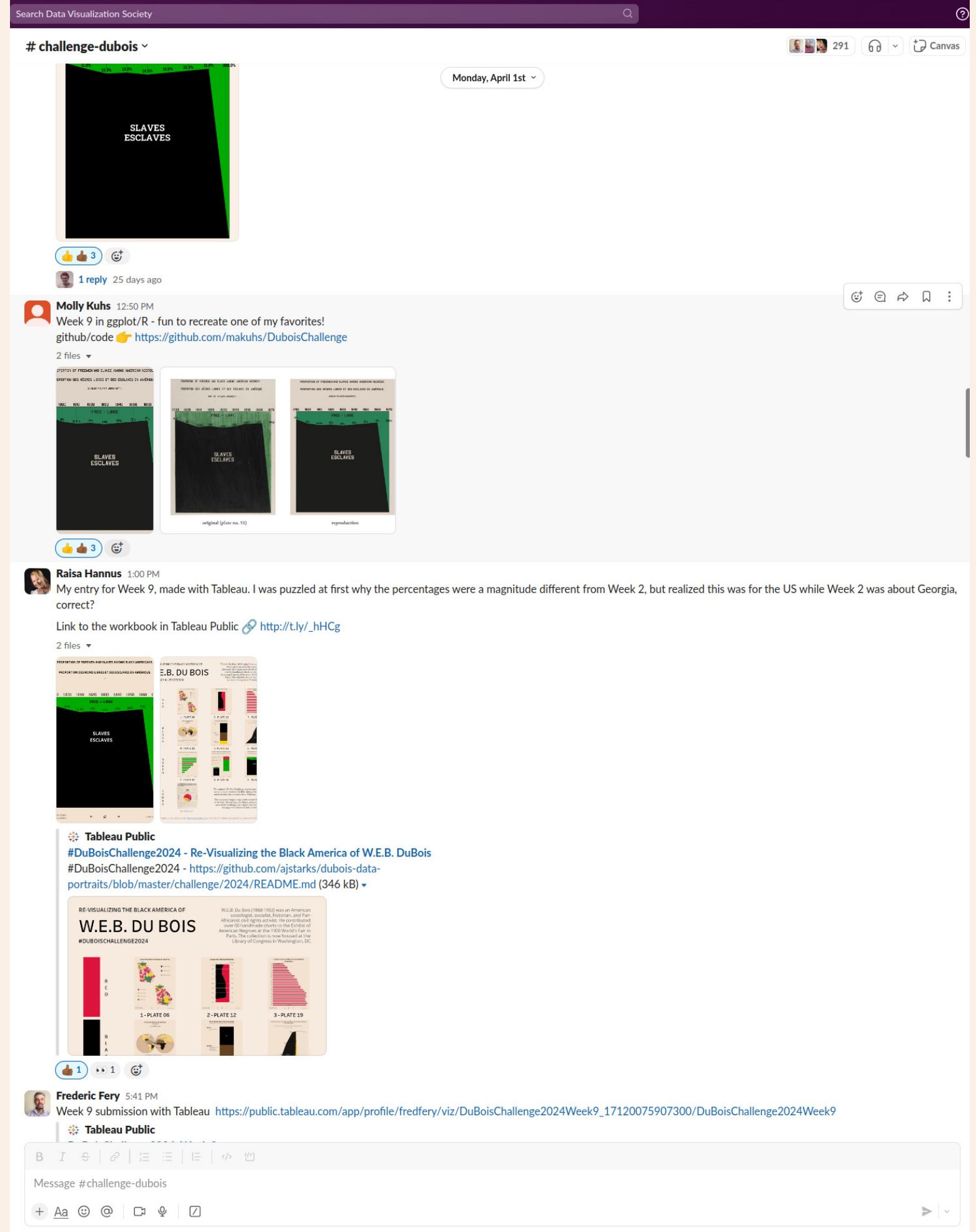
1870



# Tools Used



# DVS Slack Metrics



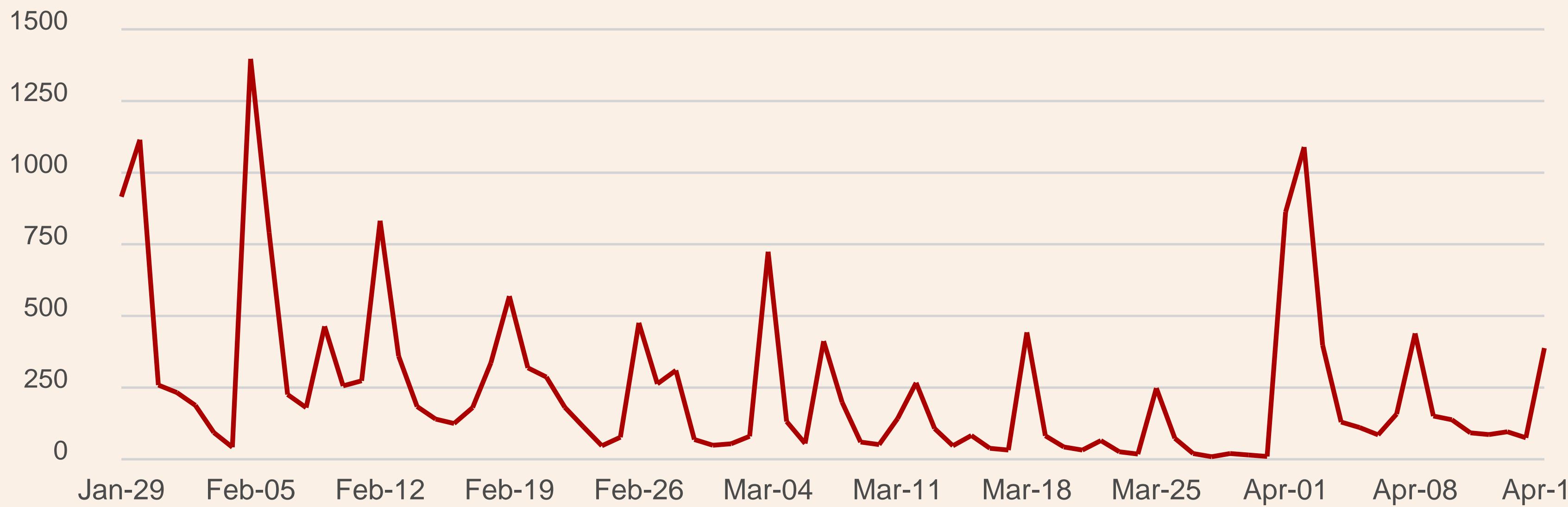
295 Members

169 Postings

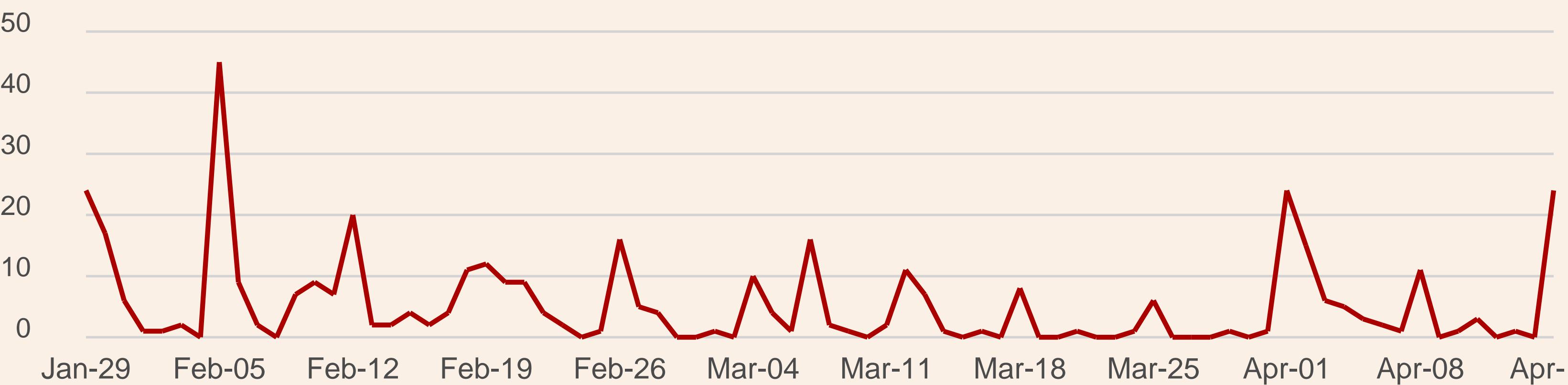
48 Participants

8 Completists

## Linkedin Impressions (ajstarks #DuboisChallenge2024)

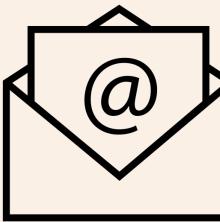


## Linkedin Engagements (ajstarks #DuboisChallenge2024)



# Anthony J. Starks

## Art + Code



[info@ajstarks.org](mailto:info@ajstarks.org)



@ajstarks



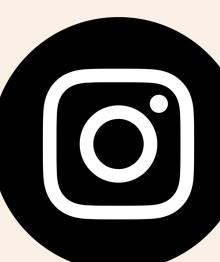
[github.com/ajstarks](https://github.com/ajstarks)



[speakerdeck.com/ajstarks](https://speakerdeck.com/ajstarks)

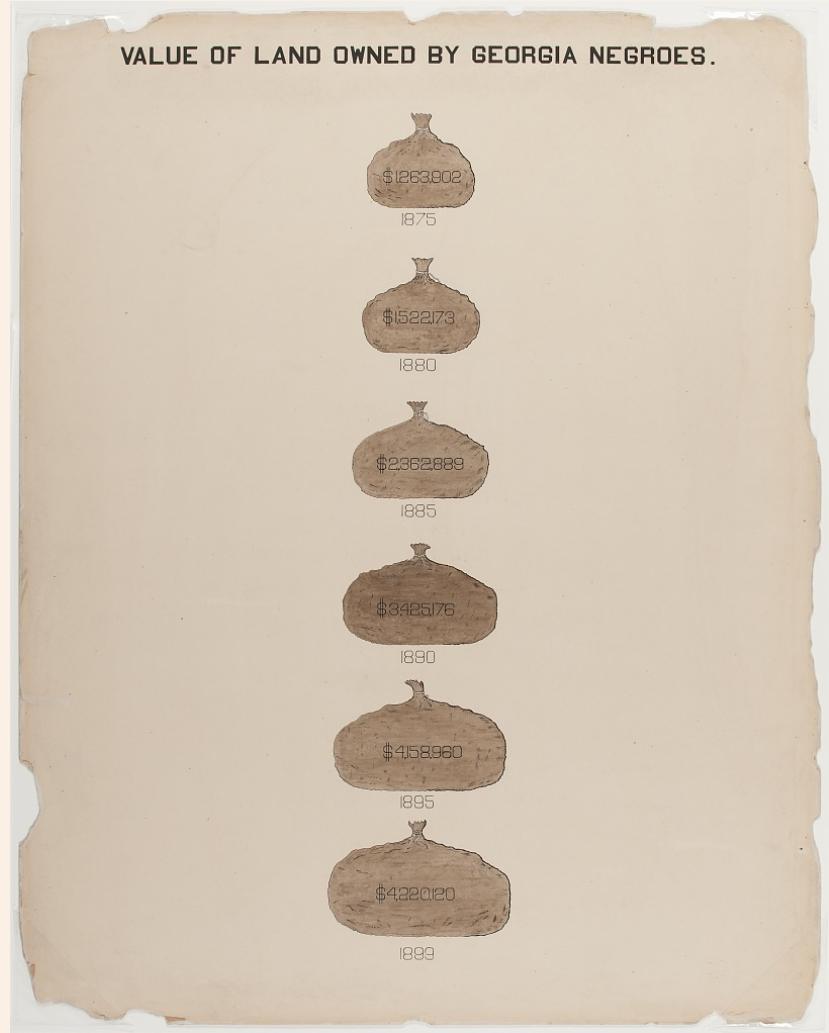


[linkedin.com/in/ajstarks](https://linkedin.com/in/ajstarks)

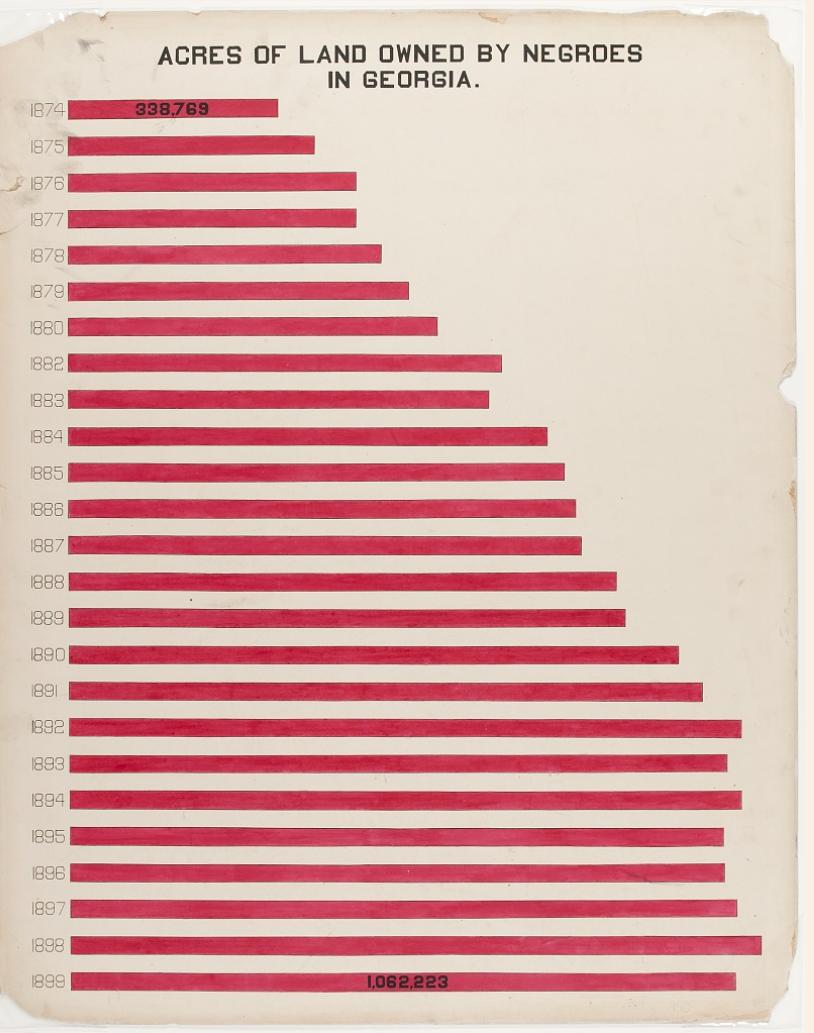


@duboisviz

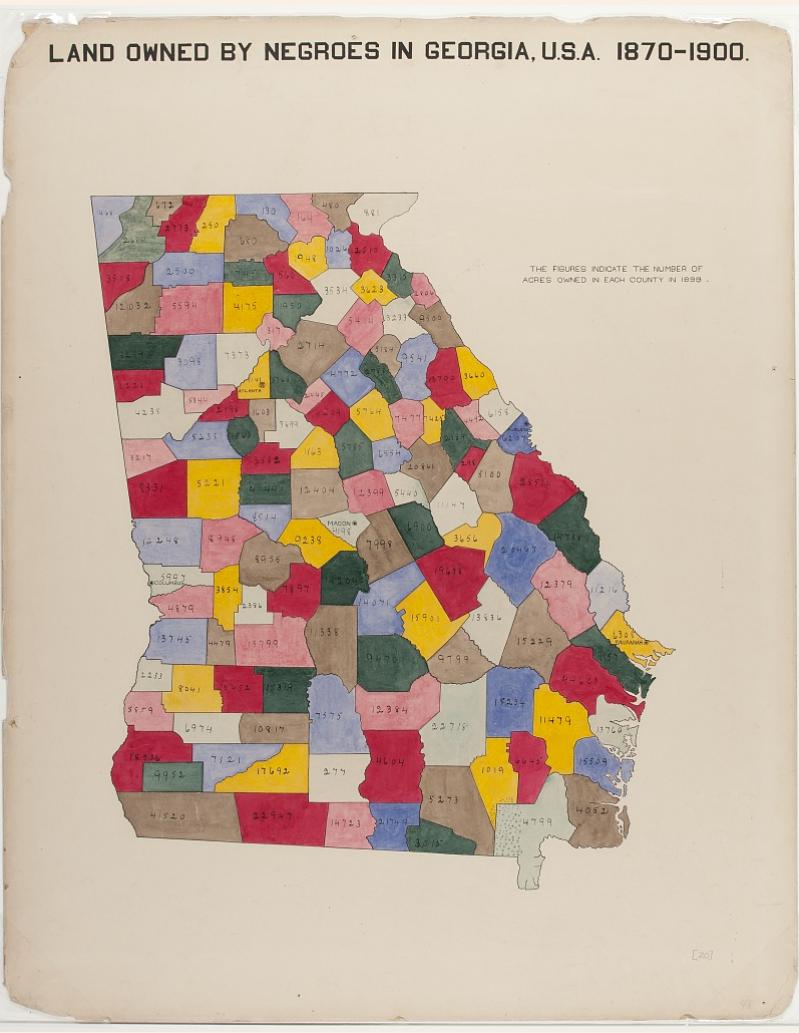
# The Du Bois Challenge 2025: Economics



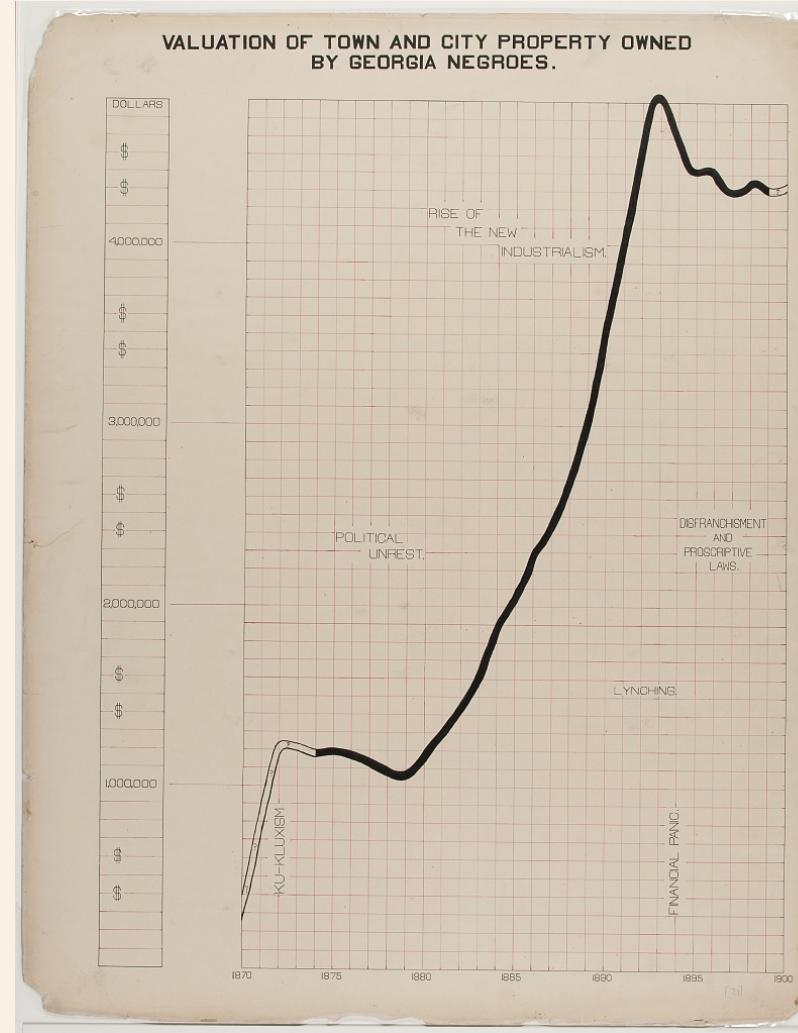
1: Feb 3



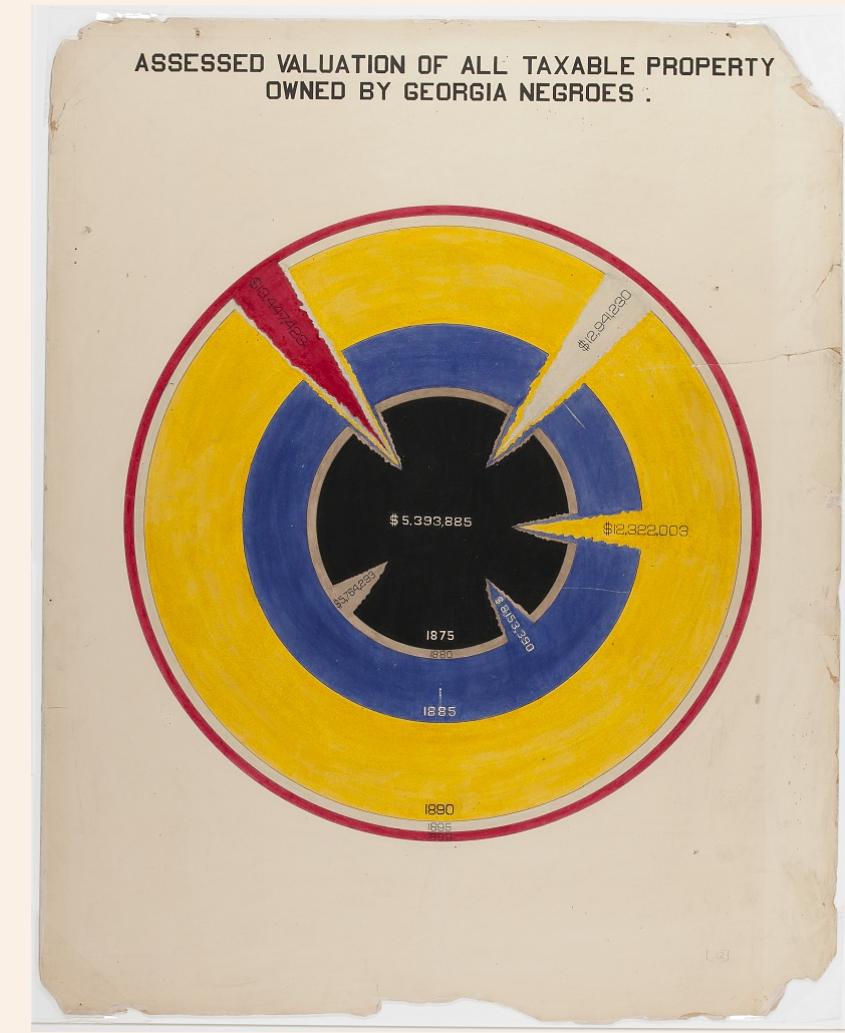
2: Feb 10



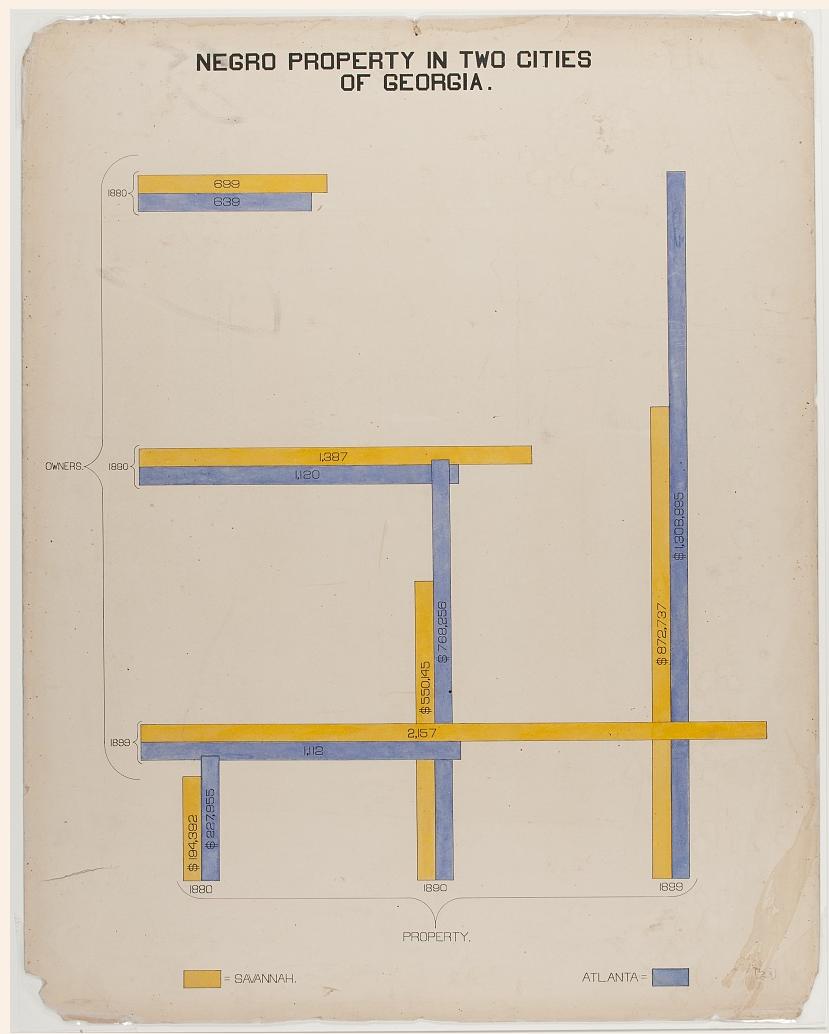
3: Feb 17



4: Feb 24



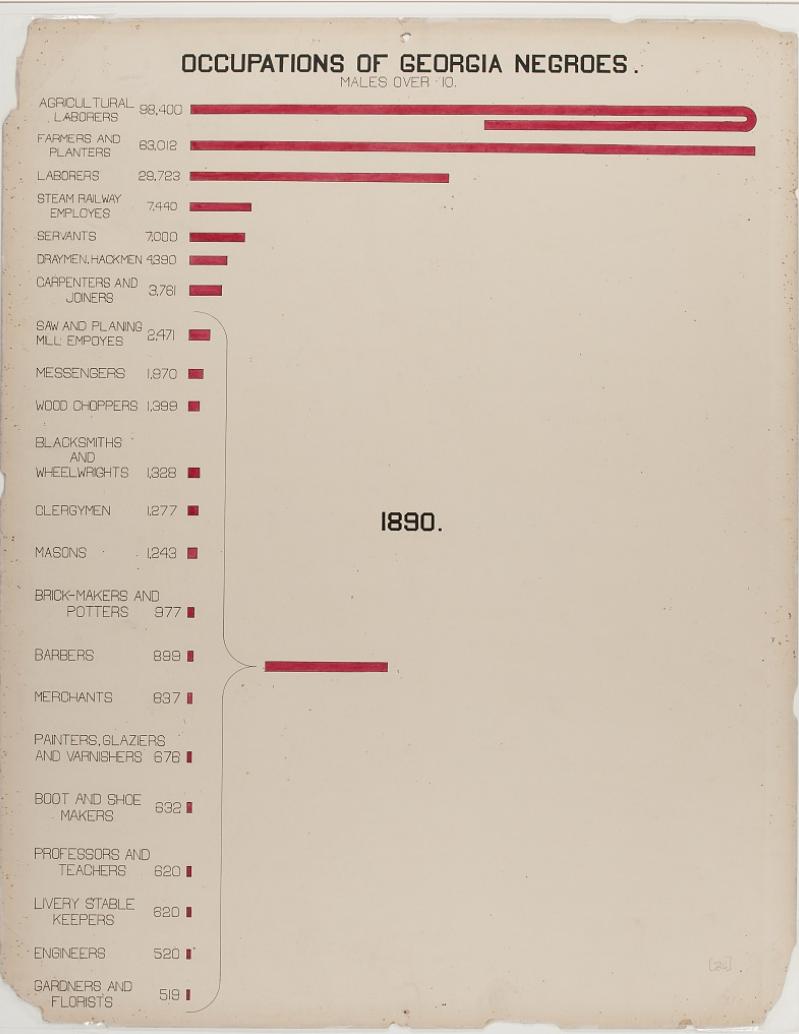
# 5: Mar 3



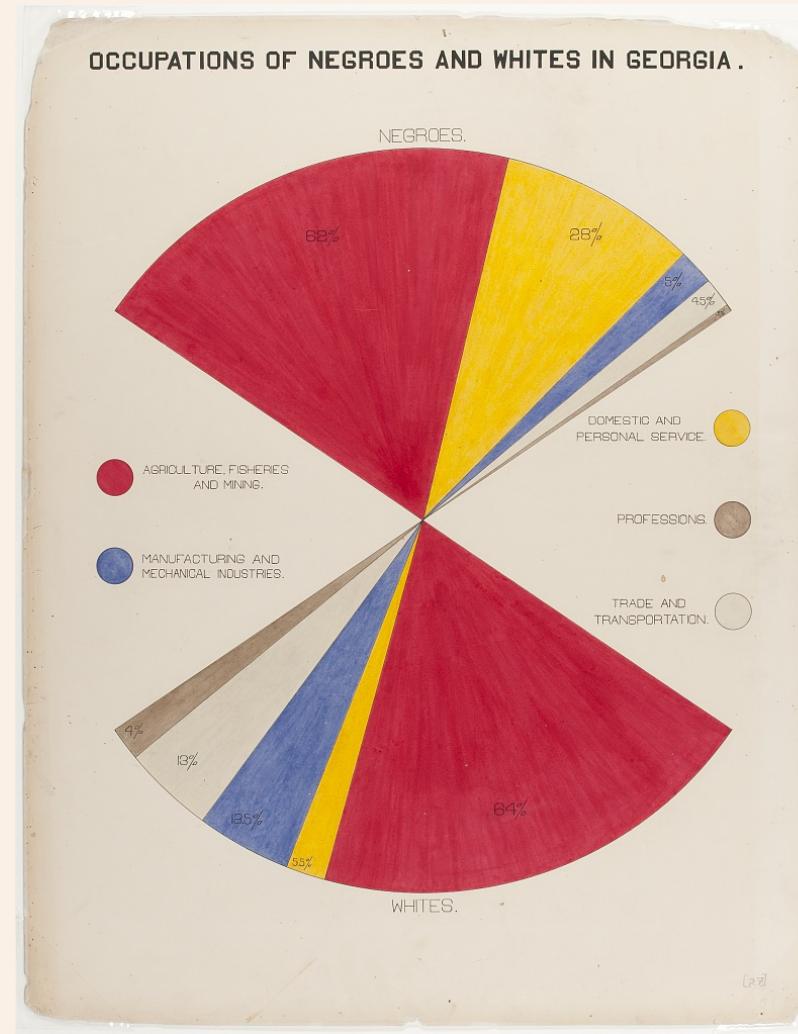
6: Mar 10



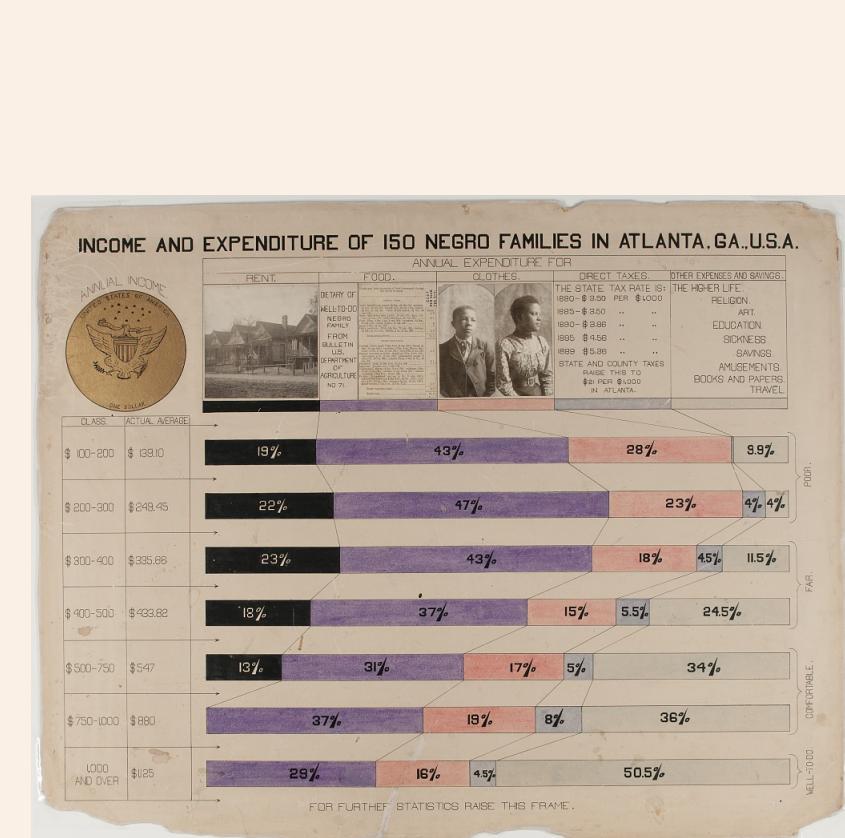
# 7: Mar 17



# 8: Mar 24



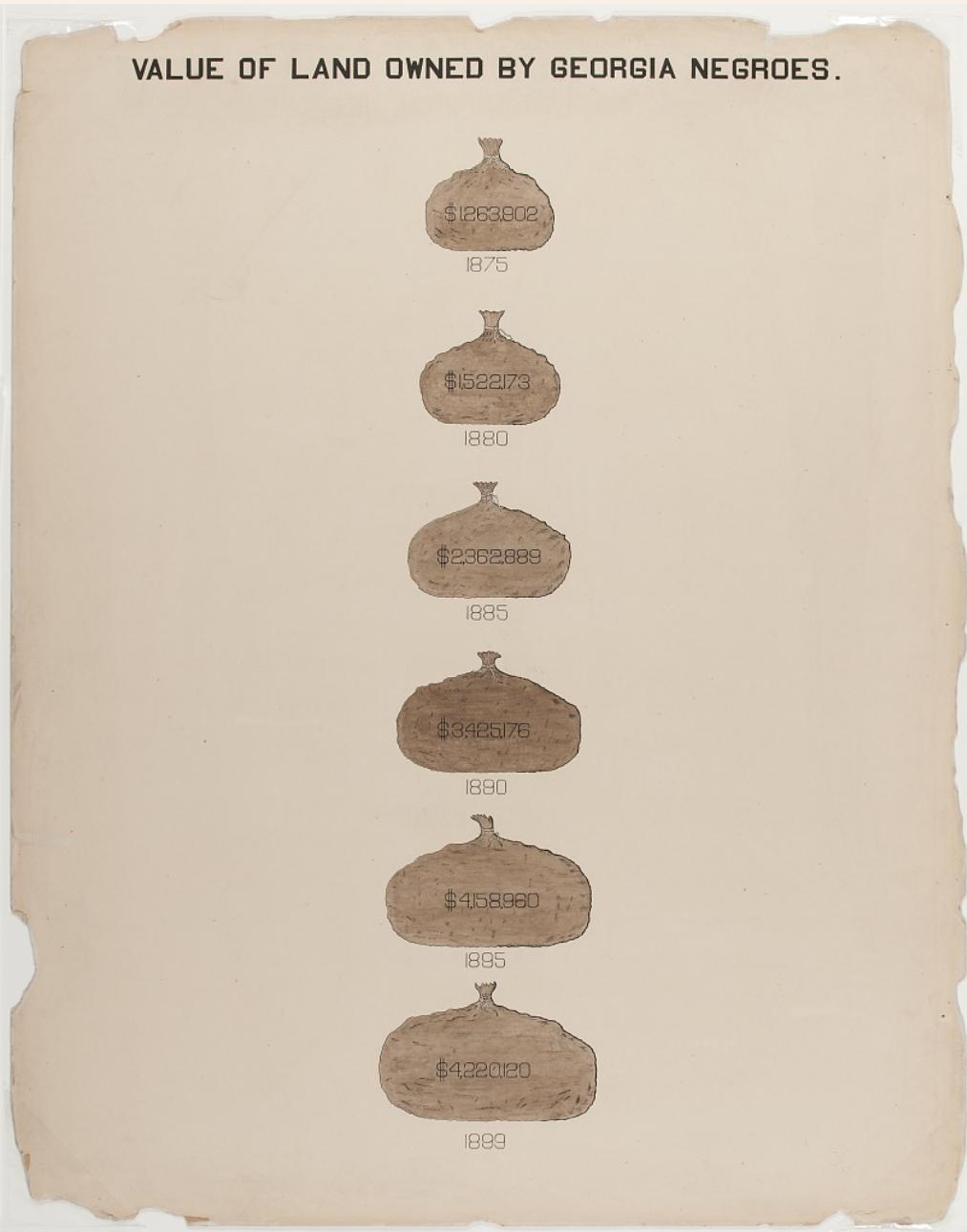
9: Mar 31



10: Apr 7

# Week 1

## Value of Land Owned by Georgia Negroes



Or Misgav



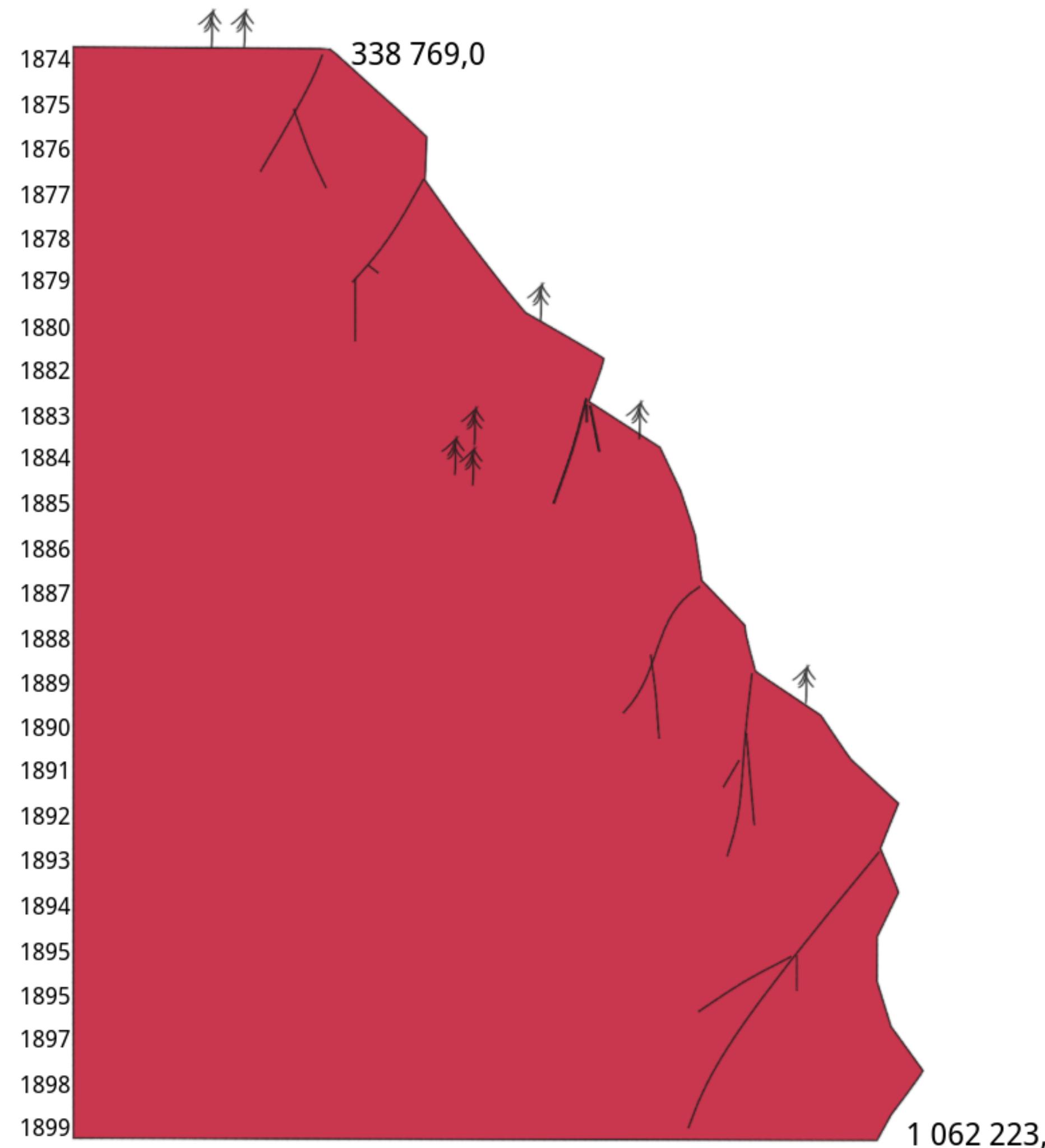
# Week 2

## ACRES OF LAND OWNED BY BLACK GEORGIANS

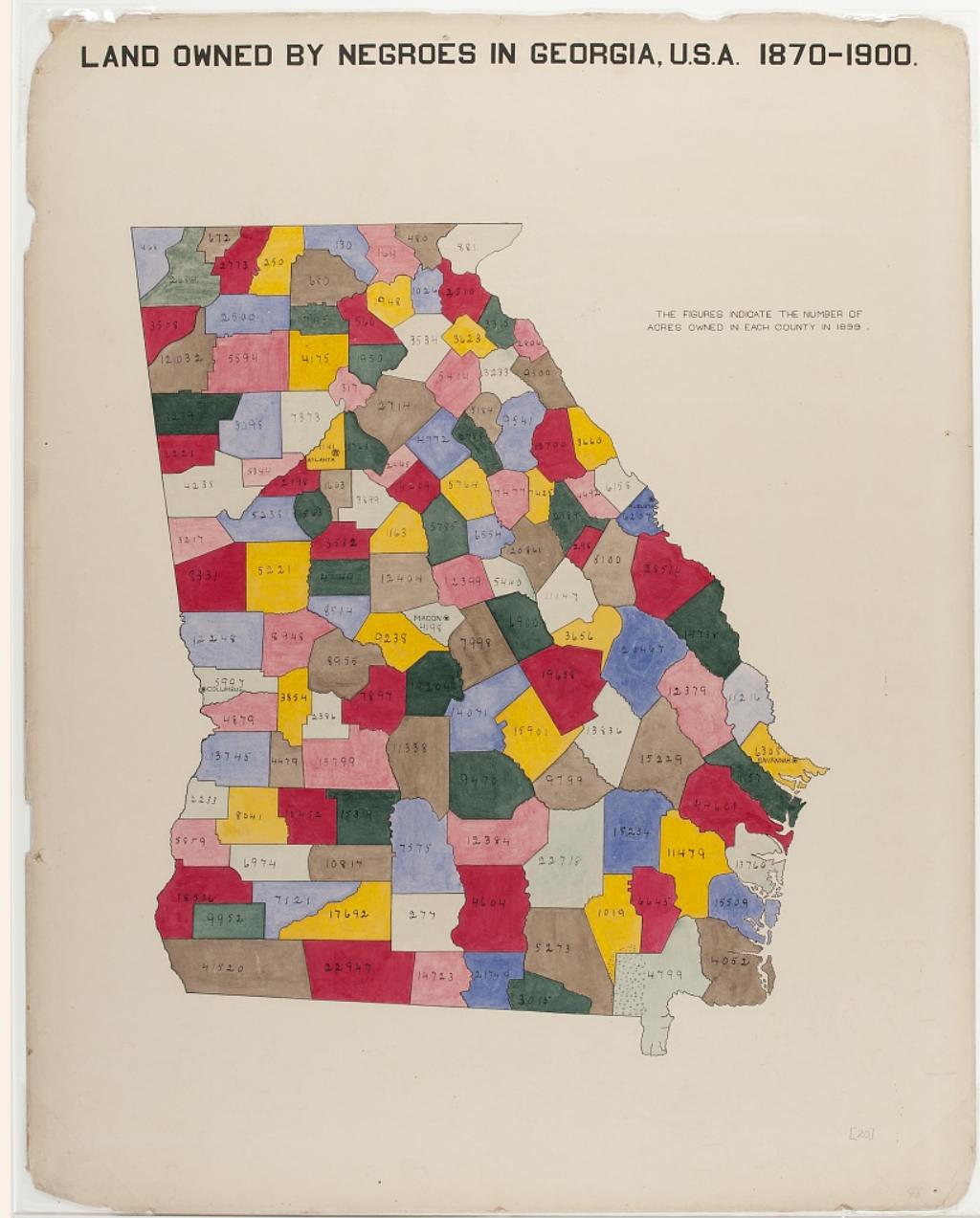
Part of the 2025 Du Bois Visualization Challenge, recreating W.E.B. Du Bois's statistical graphics from the 1900 Paris Exposition.



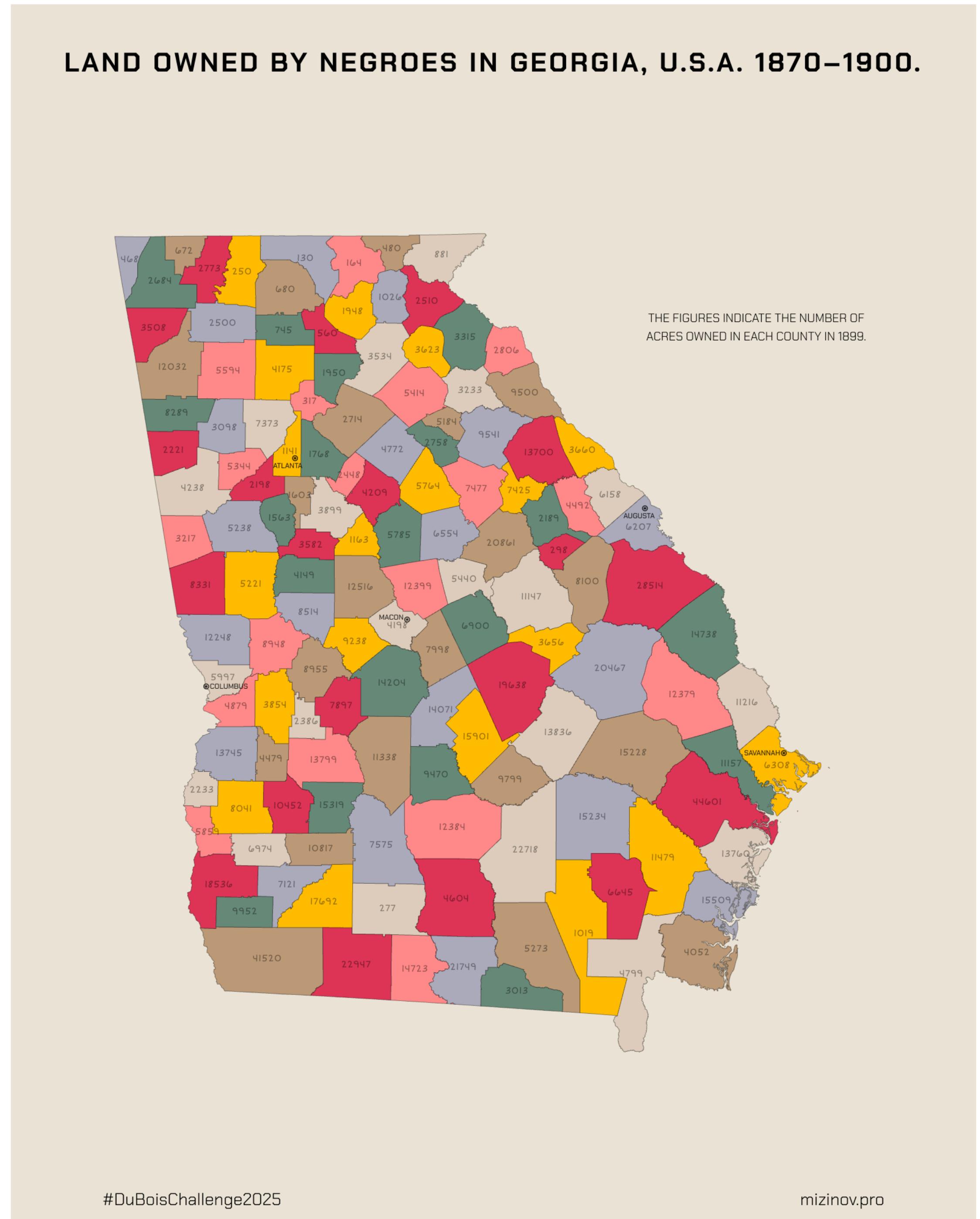
Johanna Blom



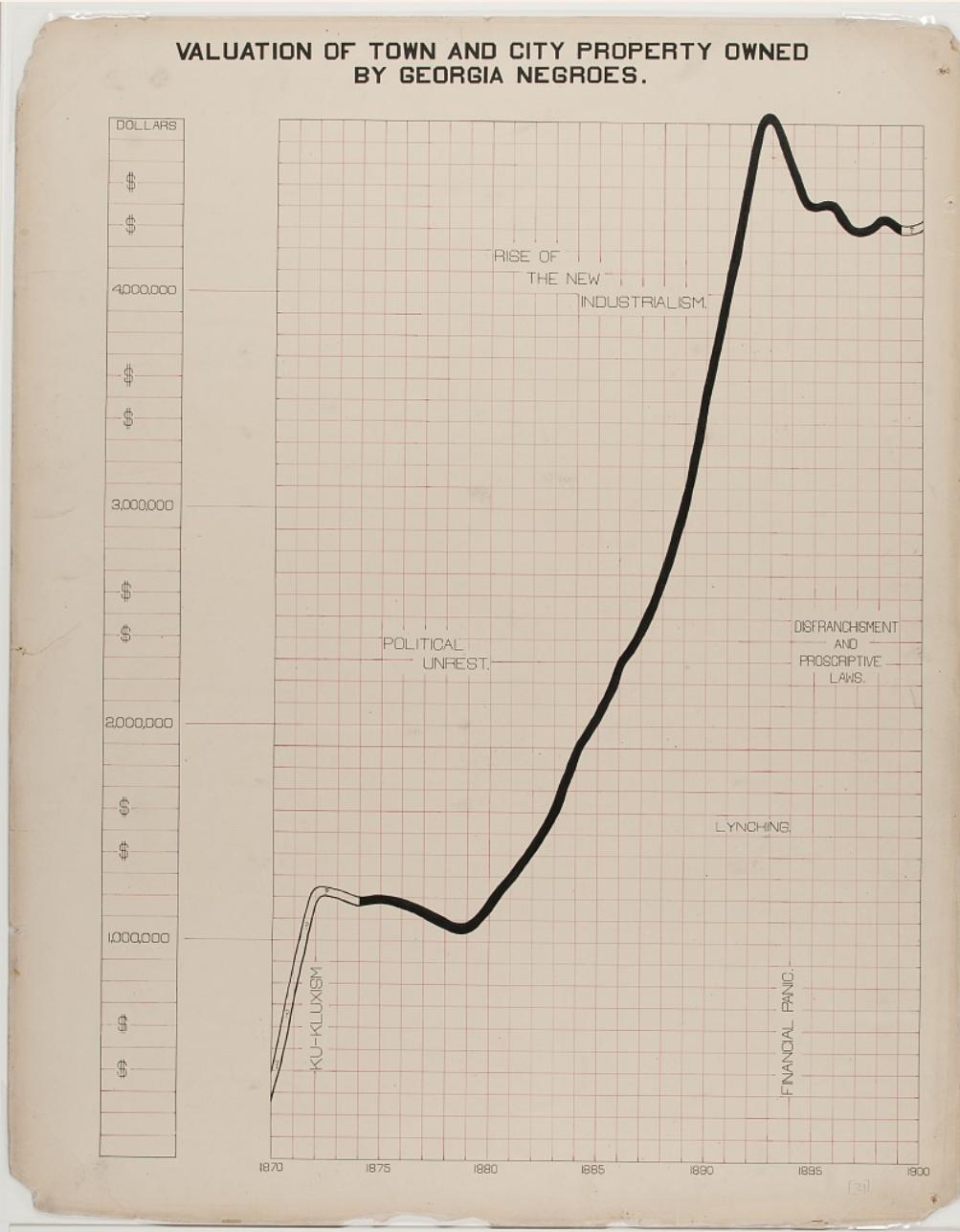
# Week 3



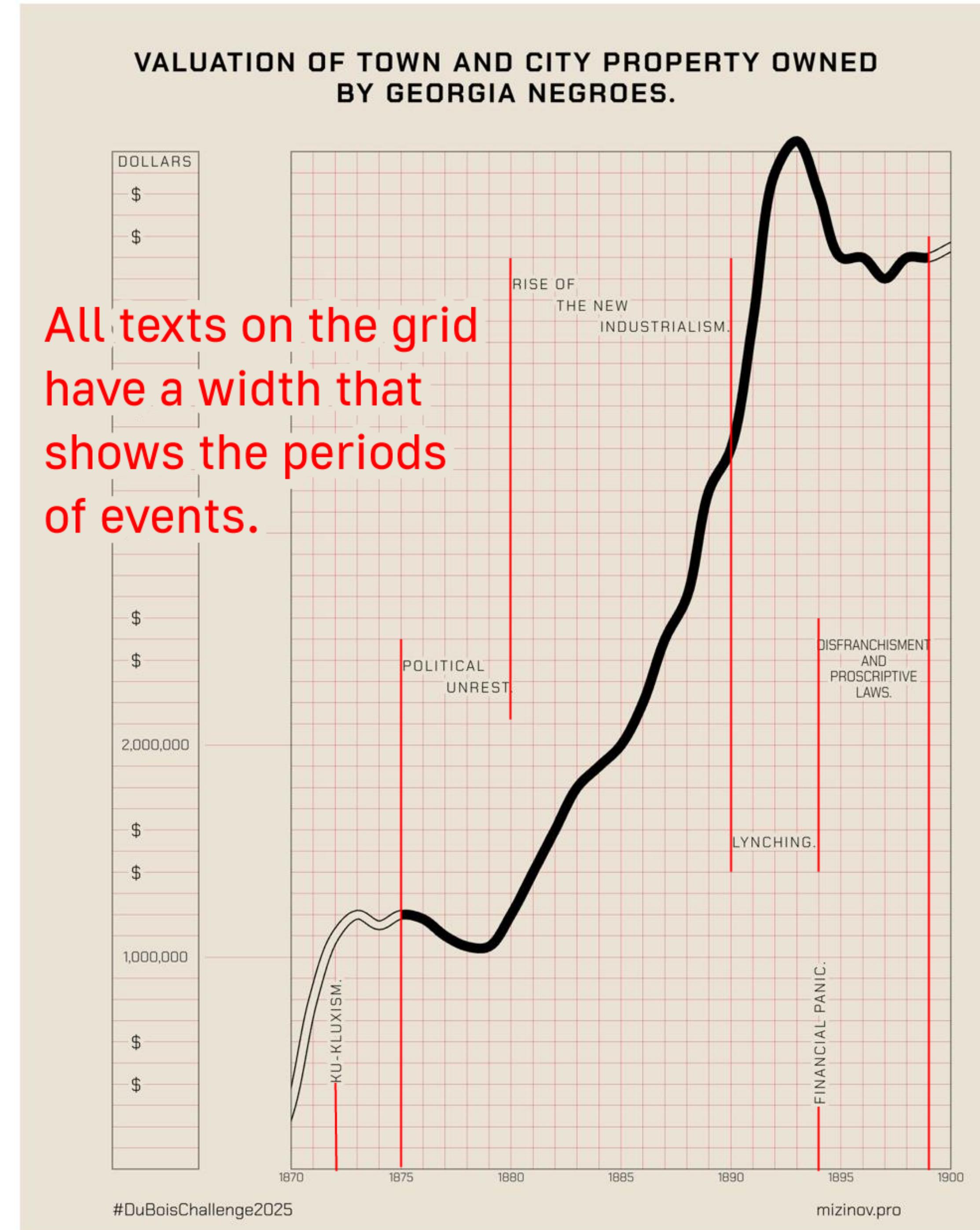
Mizinov Anton



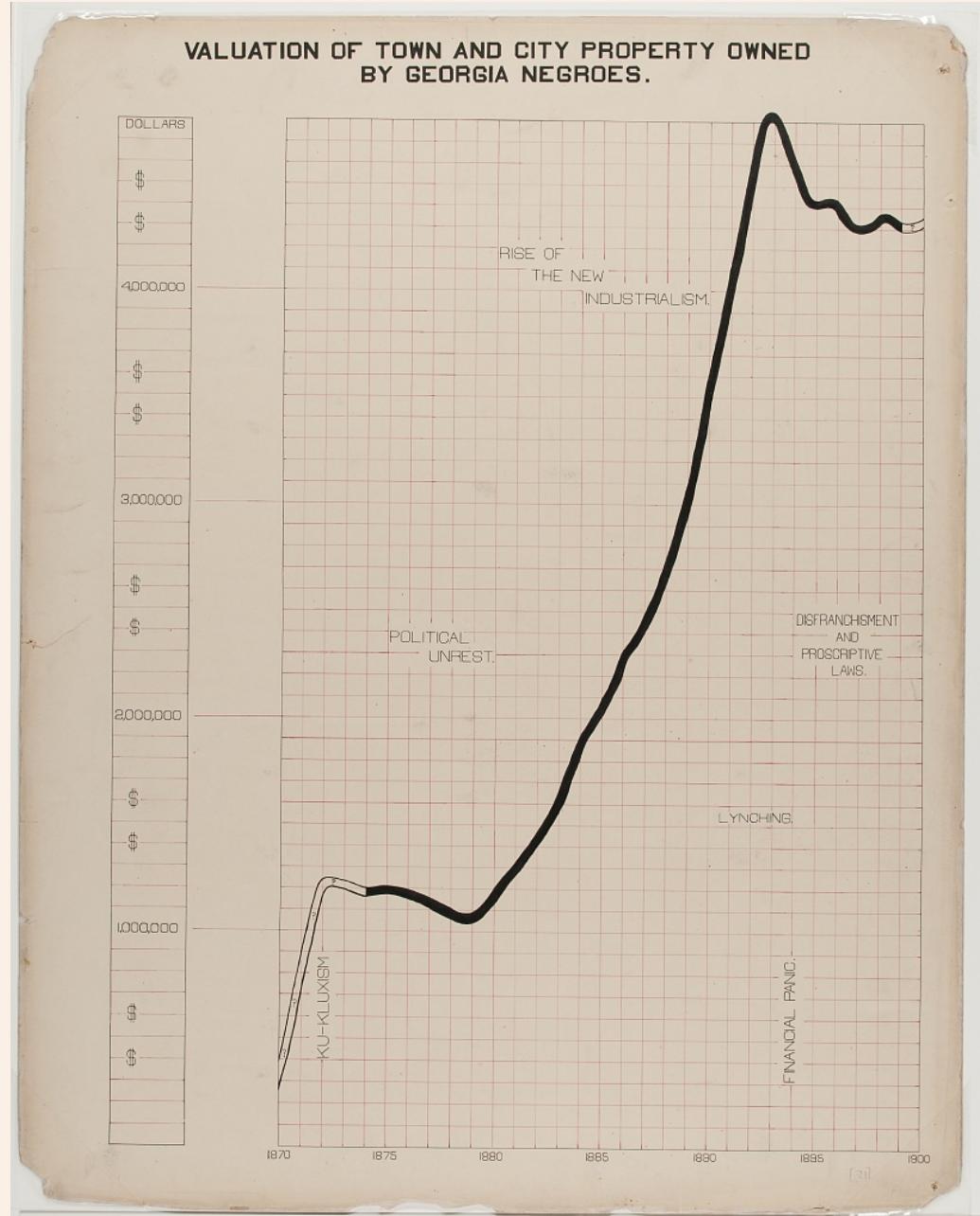
# Week 4



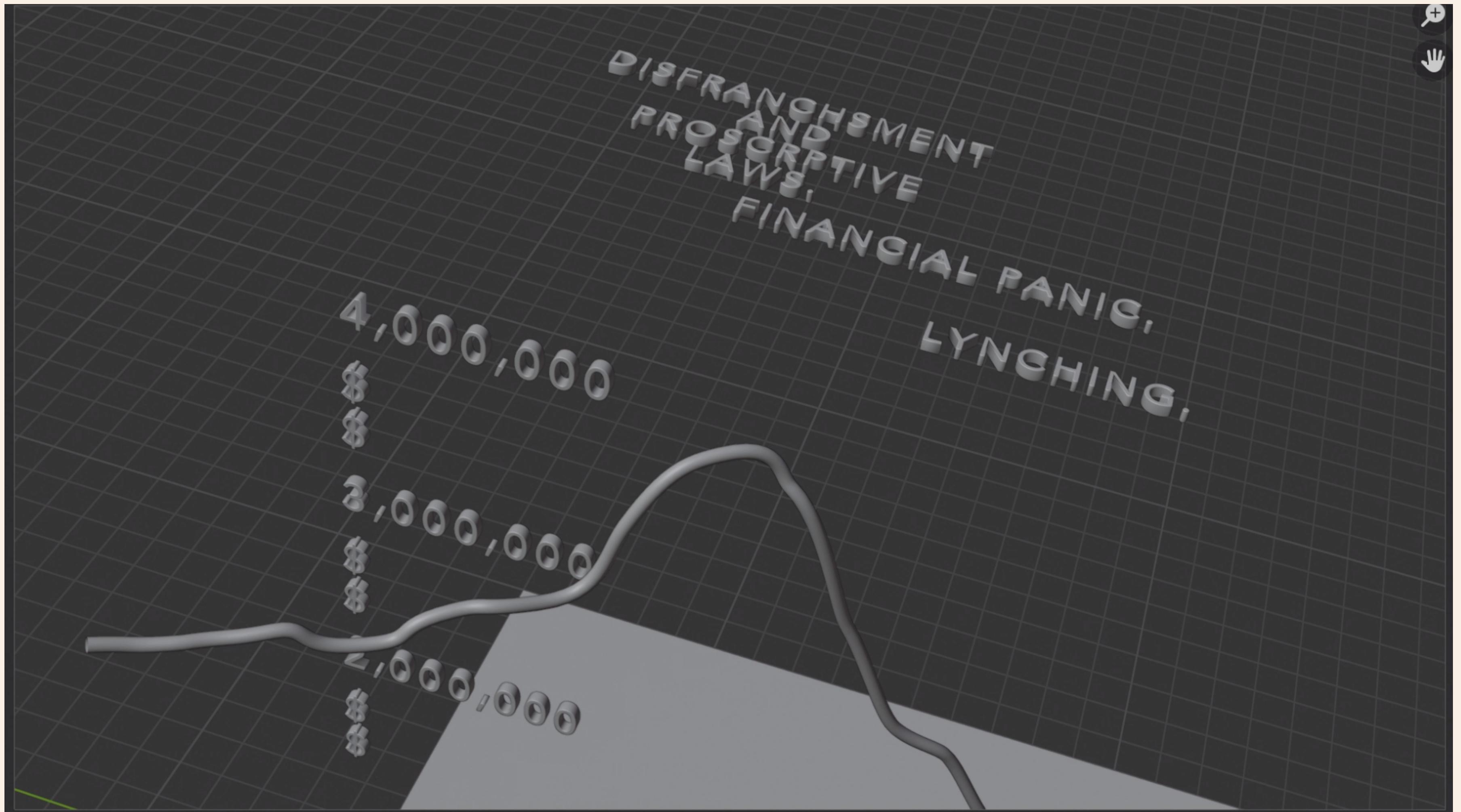
Mizinov Anton



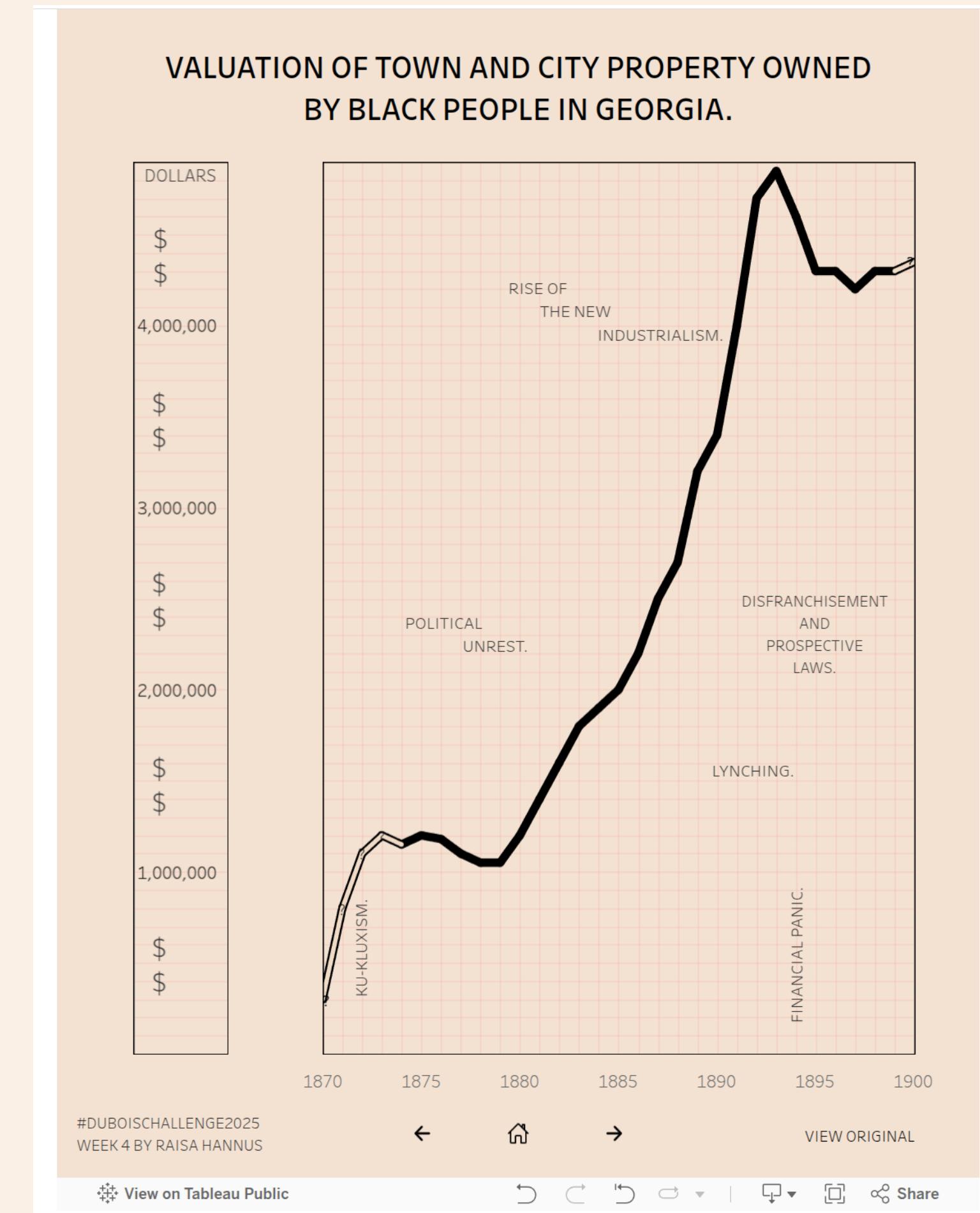
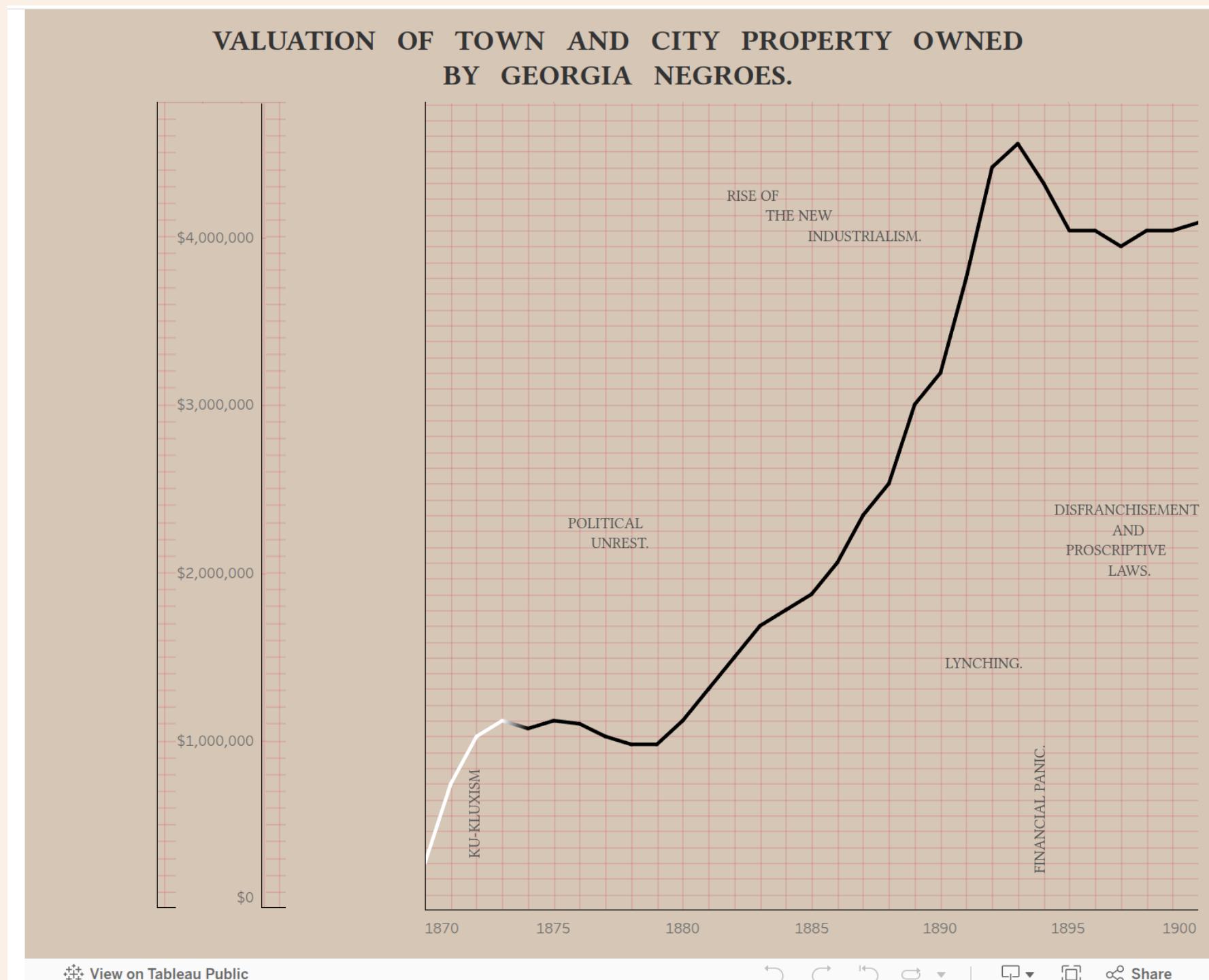
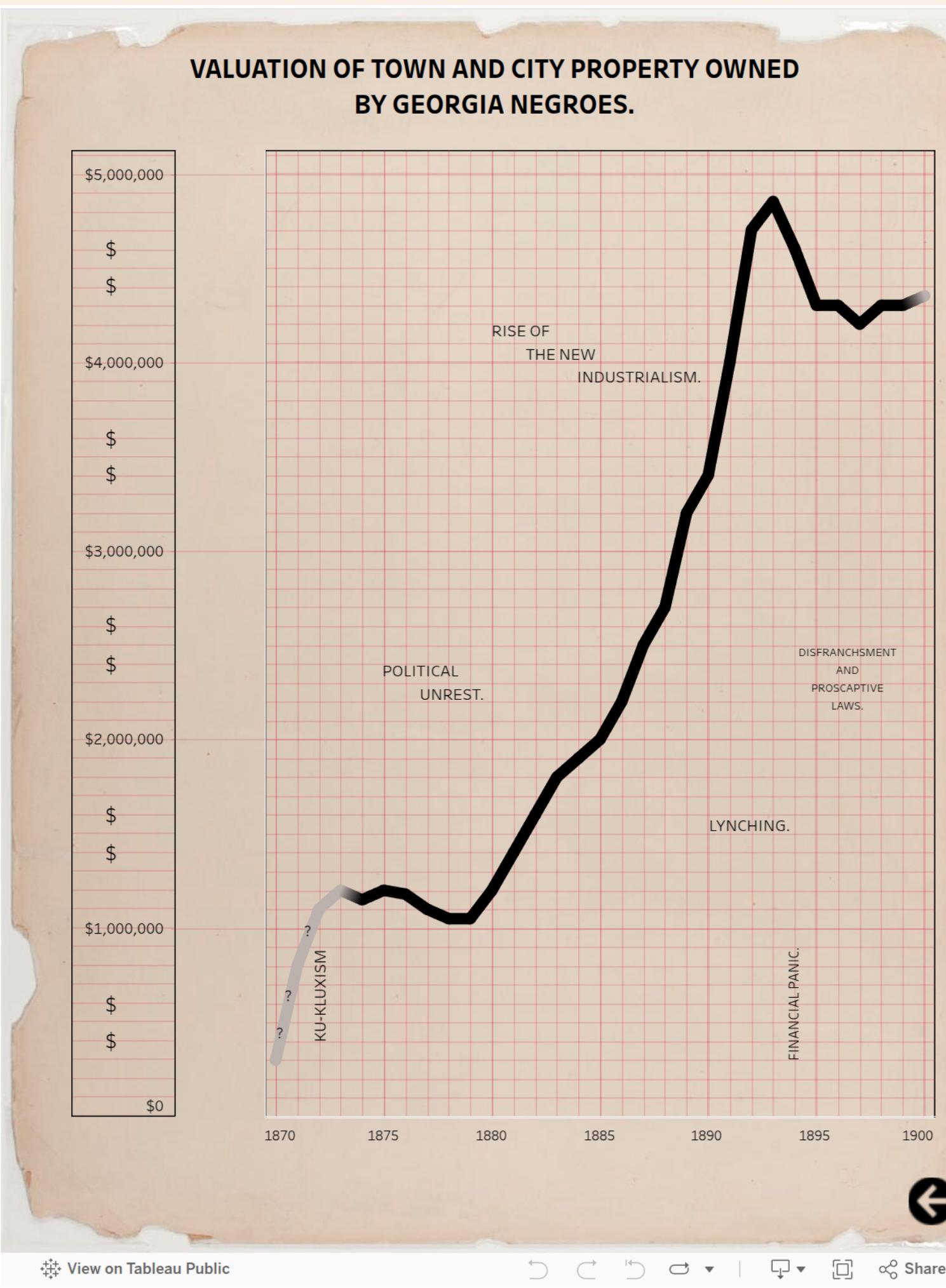
# Week 4



Kate Miller



# Tableau Users, Week 4



Raisa Hannus

Ray N

Jessica Bosch

# Du Bois Tableau Sets

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#DuBoisChallenge2025 - Re-Vizualizing the Black America of W.E.B. Du Bois by [Raisa Hannus](#)

RE-VISUALIZING THE BLACK AMERICA OF  
**W.E.B. DU BOIS**

#DUBOISCHALLENGE2025: ECONOMICS

01 PLATE 18  
02 PLATE 19  
03 PLATE 20  
04 PLATE 21  
05 PLATE 22  
06 PLATE 23  
07 PLATE 25  
08 PLATE 26  
09 PLATE 27  
10 PLATE 31

W.E.B. Du Bois (1868-1963) was an American sociologist, socialist, historian, and Pan-Africanist civil rights activist. He contributed over 60 handmade charts to the Exhibit of American Negroes at the 1900 World's Fair in Paris. The collection is now housed at the Library of Congress in Washington, DC.

The annual #DuBoisChallenge encourages the data visualization community to recreate 10 data portraits with modern tools. Each week from Feb 3 to April 7, 2025, an image on this page will become a link to a recreation. Once active, [click it](#) to see the full-size visualization compared to the original.

#DUBOISCHALLENGE2025 | [DATA & ORIGINALS](#) BY ANTHONY STARKS | RECREATED BY RAISA HANNUS

Kick-start your personal and professional goals this year with Tableau Public. [Learn more →](#)

W.E.B Du Bois Challenge 2025: Gallery by [Frederic Fery](#)

**DUBOIS VISUALIZATION CHALLENGE 2025 .**  
WEEK 1-10

Show

ACRES OF LAND OWNED BY NEGROES IN GEORGIA.  
VALUATION OF TOWN AND CITY PROPERTY OWNED BY GEORGIA NEGROES.  
ASSESSED VALUATION OF ALL TAXABLE PROPERTY OWNED BY GEORGIA NEGROES.  
NEGO PROPERTY IN TWO CITIES OF GEORGIA.  
ASSESSED VALUE OF HOUSEHOLD AND KITCHEN FURNITURE OWNED BY GEORGIA NEGROES.  
OCCUPATIONS OF GEORGIA NEGROES.  
OCCUPATIONS OF NEGROES AND WHITES IN GEORGIA.  
INCOME AND EXPENDITURE OF 150 NEGRO FAMILIES IN ATLANTA GA USA.  
INCOME AND EXPENDITURE OF 150 NEGRO FAMILIES IN ATLANTA GA USA.

COMING SOON

#DuBoisChallenge2025 | Design [fredericfery.bsky.social](#)  
2024 Challenge Gallery

[View on Tableau Public](#)

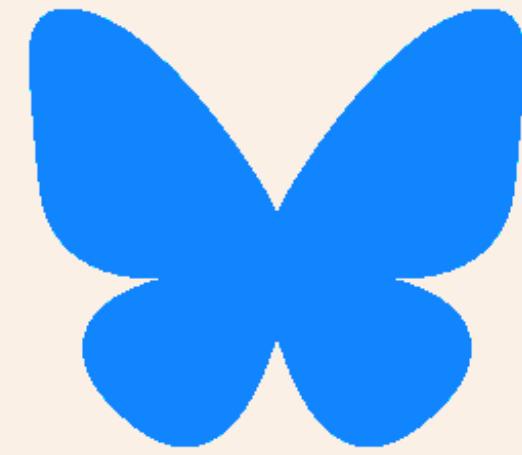
Raisa Hannus

Frederick Fery

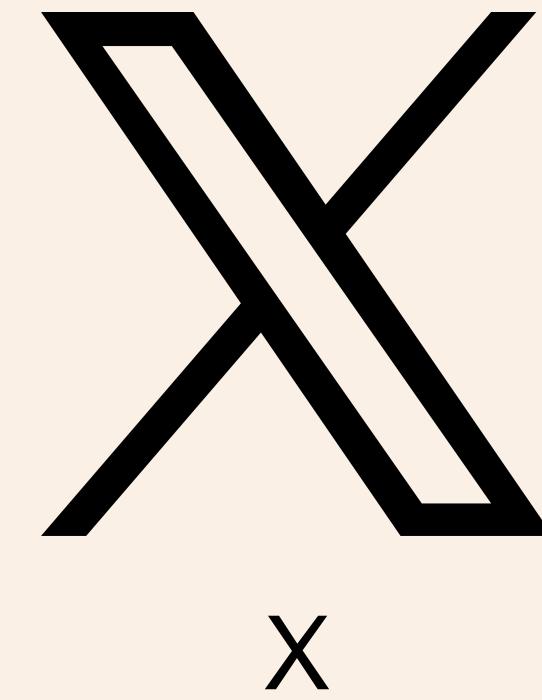
# To Participate, Go to:

<https://github.com/ajstarks/dubois-data-portraits/blob/master/challenge/2025/README.md>

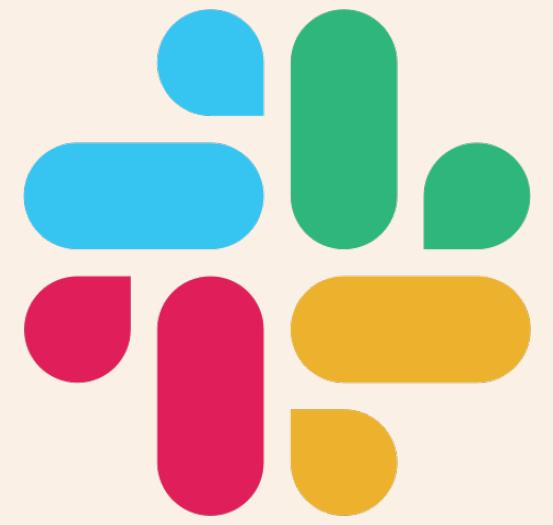
Post to:



BlueSky



X



DVS Slack



Linkedin



Mastodon