

# Building on the Legacy of the Du Bois Data Portraits

Anthony Starks  
Allen Hillery  
Sekou Tyler

# The Philadelphia Negro, 1897

Proportion of Population.	1848.	1880.	1890.*
Under 5 years . . . . .	14.7	9.8	7.8
Under 15 years . . . . .	33.6	. . .	22.5
15 to 50 years . . . . .	41.8	. . .	63.6†
Over 50 years . . . . .	9.9	. . .	6.1‡

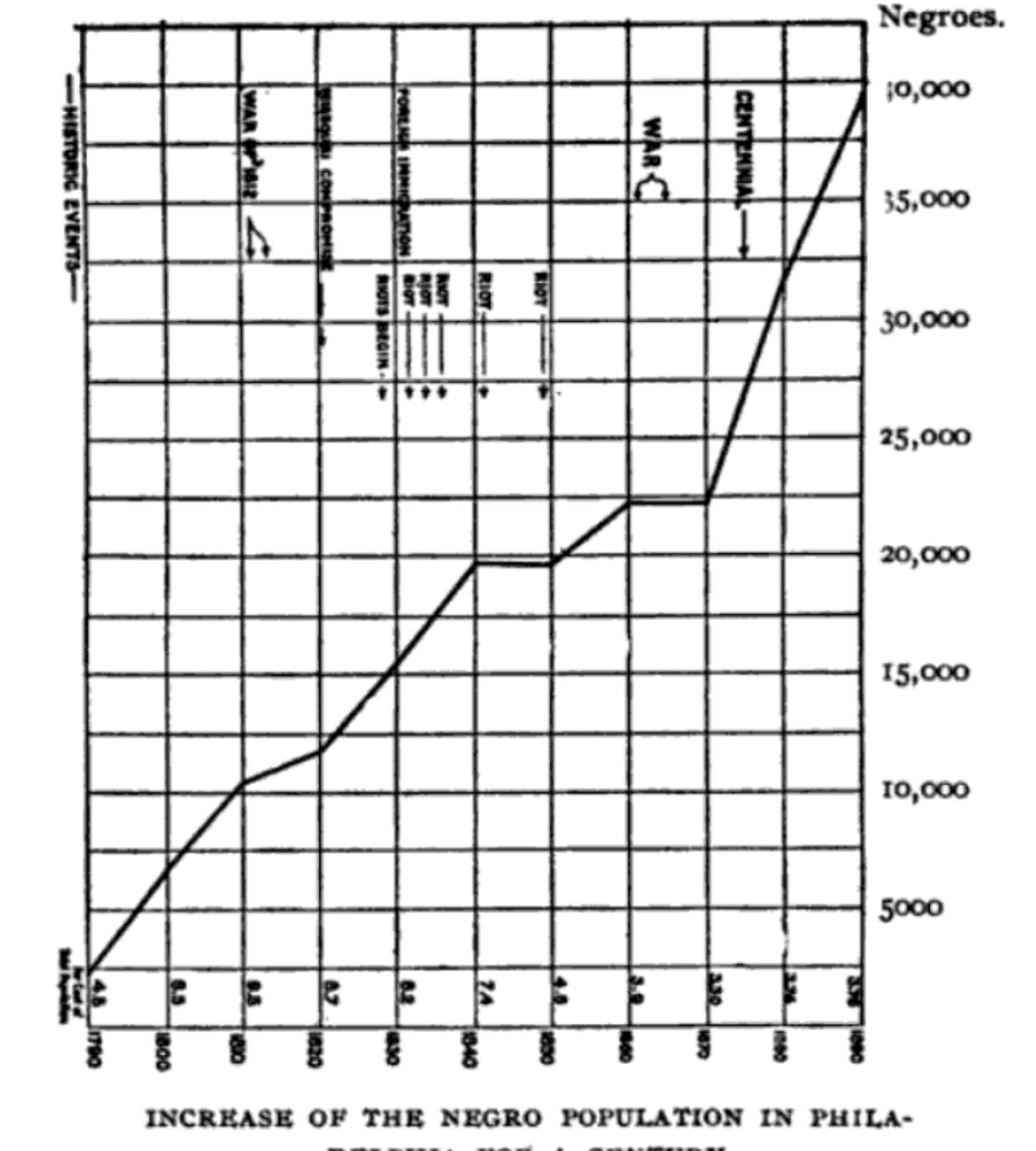
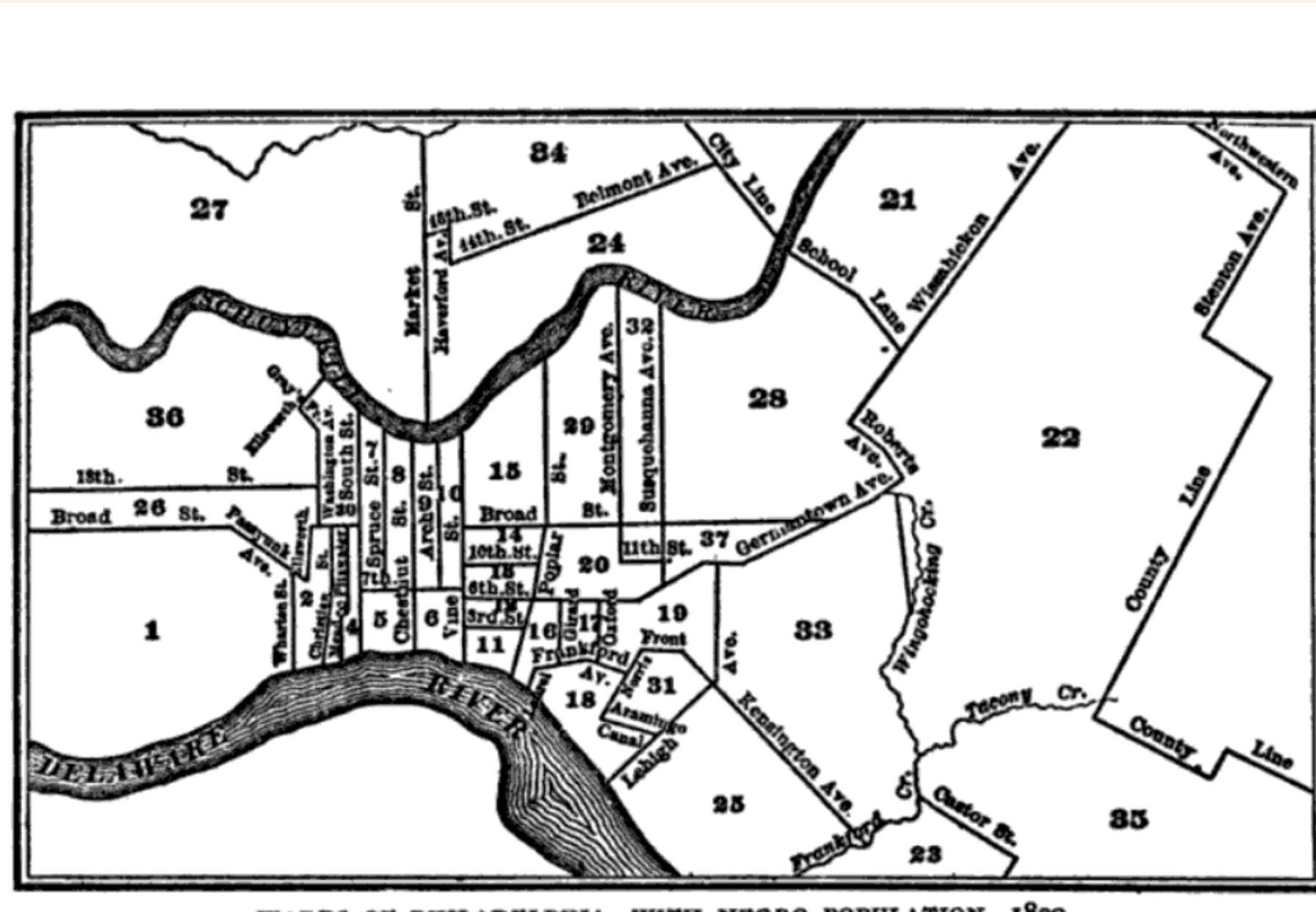
\* Including Chinese, Japanese and Indians. † 15 to 55. ‡ Over 55.

This table is too meagre to be conclusive, but it is probable that while the age structure of the Negro urban population in 1848 was about normal, it has greatly changed in recent years. Detailed statistics for 1890 make this plainer:

NEGROES\* OF PHILADELPHIA BY SEX AND AGE, 1890.

Ages.	Males.	Per Cent.	Females.	Per Cent.	Total.
Under 1 . . . . .	400	2.1	369	1.7	769
1 to 4 . . . . .	1,121	5.9	1,264	5.9	2,385
5 to 9 . . . . .	1,458	7.7	1,515	7.1	2,973
10 to 14 . . . . .	1,409	7.5	1,567	7.4	2,976
15 to 19 . . . . .	2,455	7.7	2,123	9.9	3,578
20 to 24 . . . . .	2,408	12.9	3,133	14.8	5,541
25 to 29 . . . . .	1,521	13.5	2,774	13.1	5,295
30 to 34 . . . . .	2,034	10.9	2,046	9.6	4,080
35 to 44 . . . . .	3,375	18.0	3,139	14.8	6,514
45 to 54 . . . . .	1,645	8.7	1,783	8.4	3,428
55 to 64 . . . . .	581	3.1	799	3.9	1,380
65 and over . . . . .	376	2.0	726	3.4	1,102
Unknown . . . . .	177	..	176	..	353
Total . . . . .	18,960	100.0	21,414	100.0	40,374

\* Includes 1003 Chinese, Japanese and Indians.



"This inquiry extended over a period of fifteen months, and sought to ascertain something of the geographical distribution of this race, their organizations, and above all their relation to their million white fellow-citizens"



Atlanta University Debating Team, c. 1900



Women seated on steps of building at Atlanta University c. 1900



W.E.B. DuBois in Paris 1900



Exposition of the American Negro, Paris, 1900

# Historical Context



“Black America” Fair

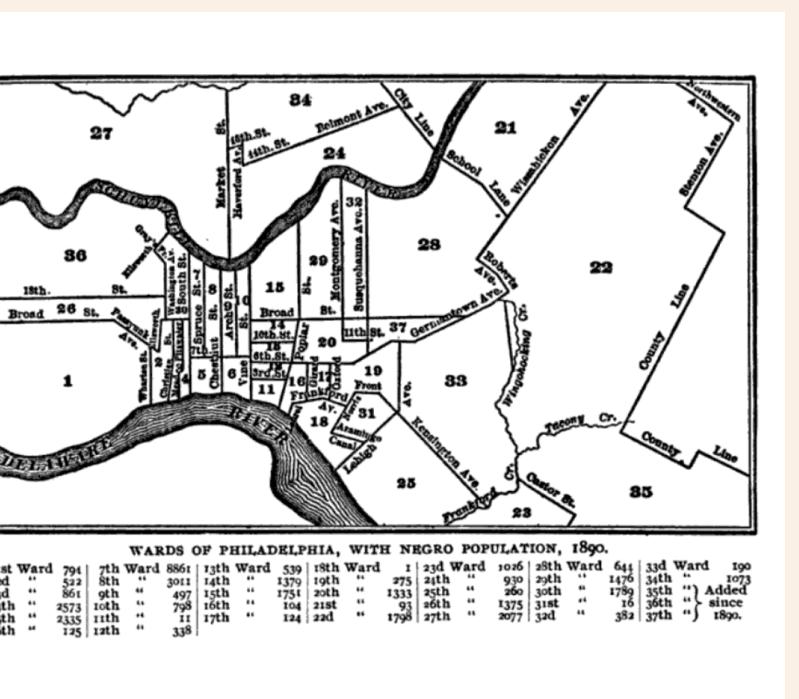
1895

# Historical Context



“Black America” Fair

1895

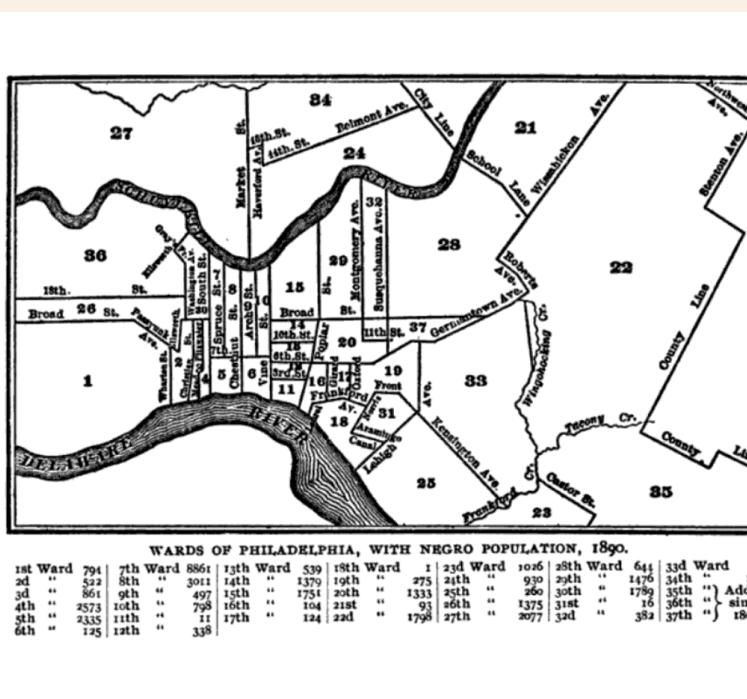


# Historical Context



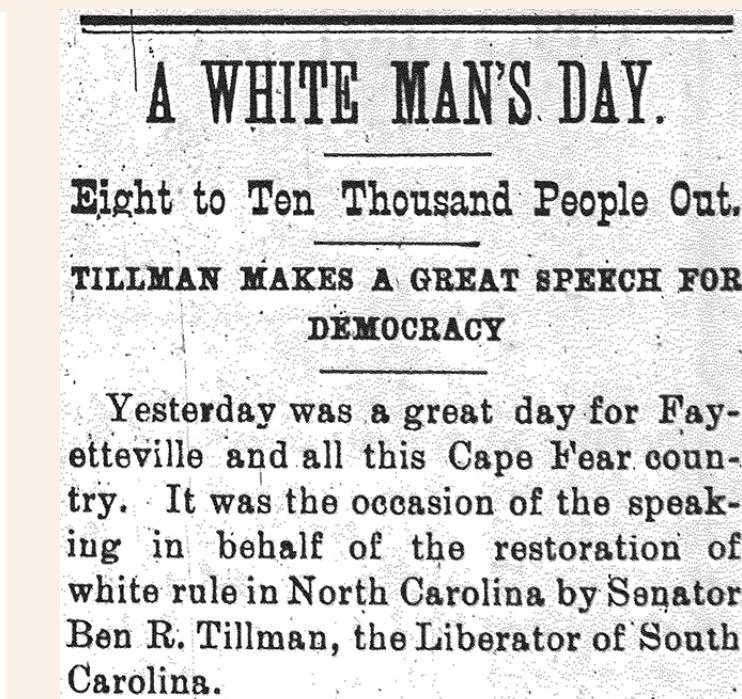
“Black America” Fair

1895



Phila. Negro begins

1897



Wilmington Overthrow

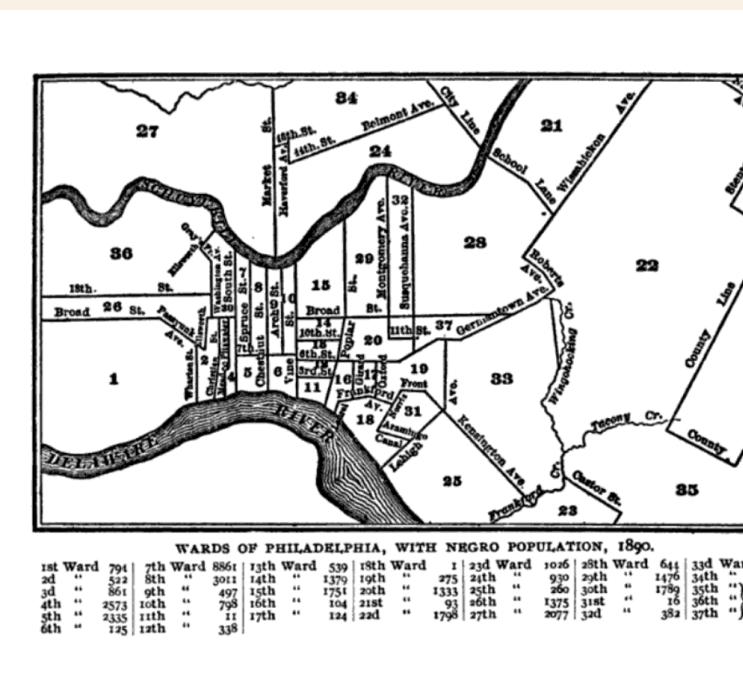
1898

# Historical Context



“Black America” Fair

1895



Phila. Negro begins

1897

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

1898



Lynchings Peak

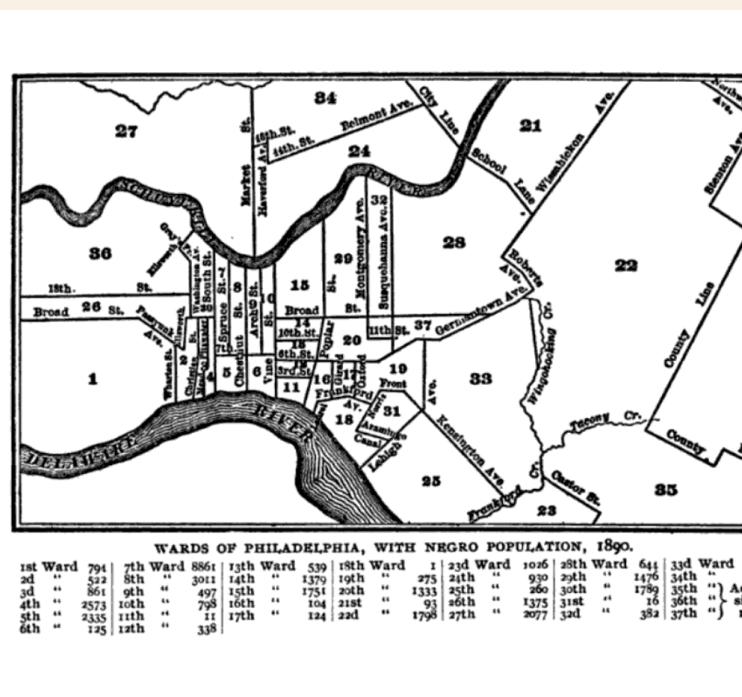
1899

# Historical Context



“Black America” Fair

1895



1897

Phila. Negro begins

1898

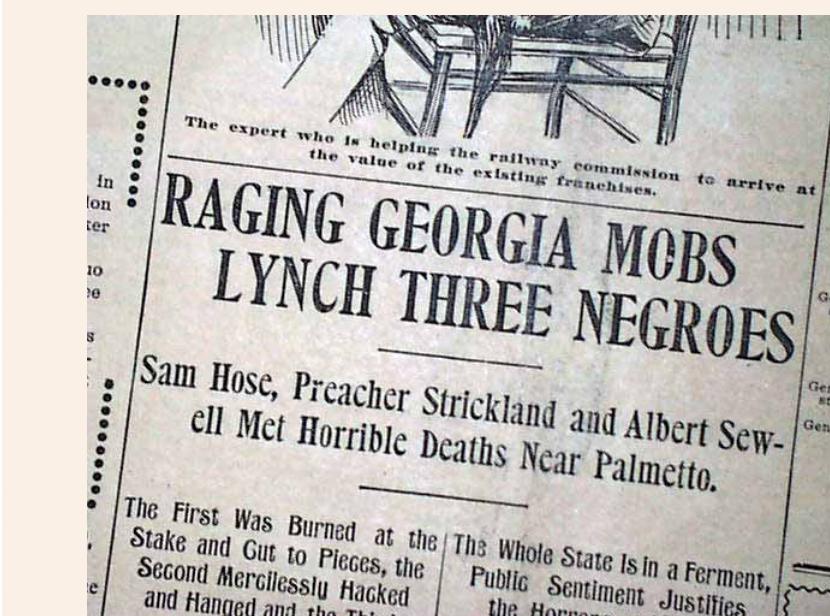
Wilmington Overthrow

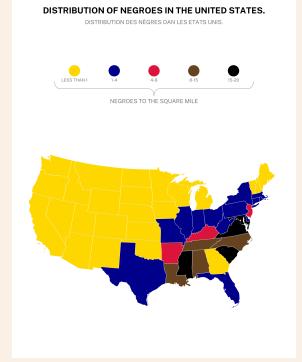
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Lynchings Peak

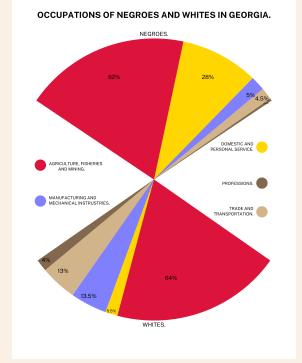
1900

Paris Exposition

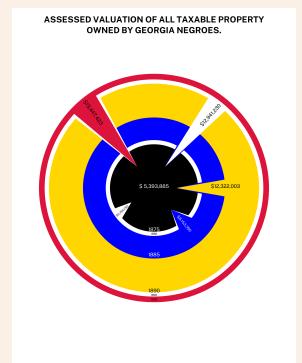




# We are here

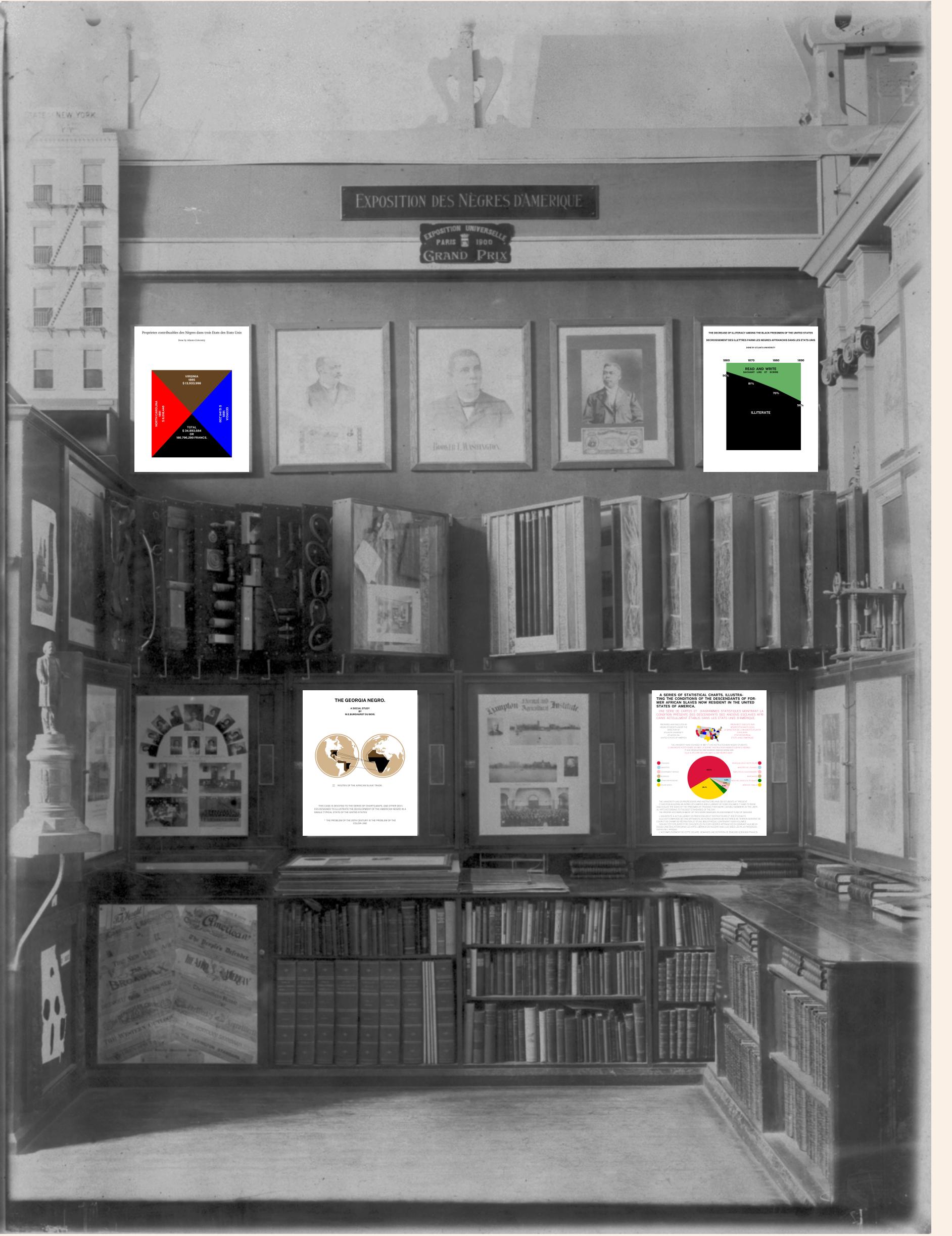


# This is who we are



# This is how far we have come





22"

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 ESQLAVES AFRIQUEAINS ACTUELLEMENT ÉTABLIS DANS LES ETATS UNIS D'AMÉRIQUE.

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



CENTRE OF NEGRO POPULATION,  
ATLANTA UNIVERSITY.

PRÉPARÉES ET EXÉCUTÉES PAR  
DES ÉTUDIANTS NÈGRES SOUS  
LA DIRECTION DE L'UNIVERSITÉ  
D'ATLANTA,  
ETAT DE GÉORGIE,  
ETATS UNIS D'AMÉRIQUE.

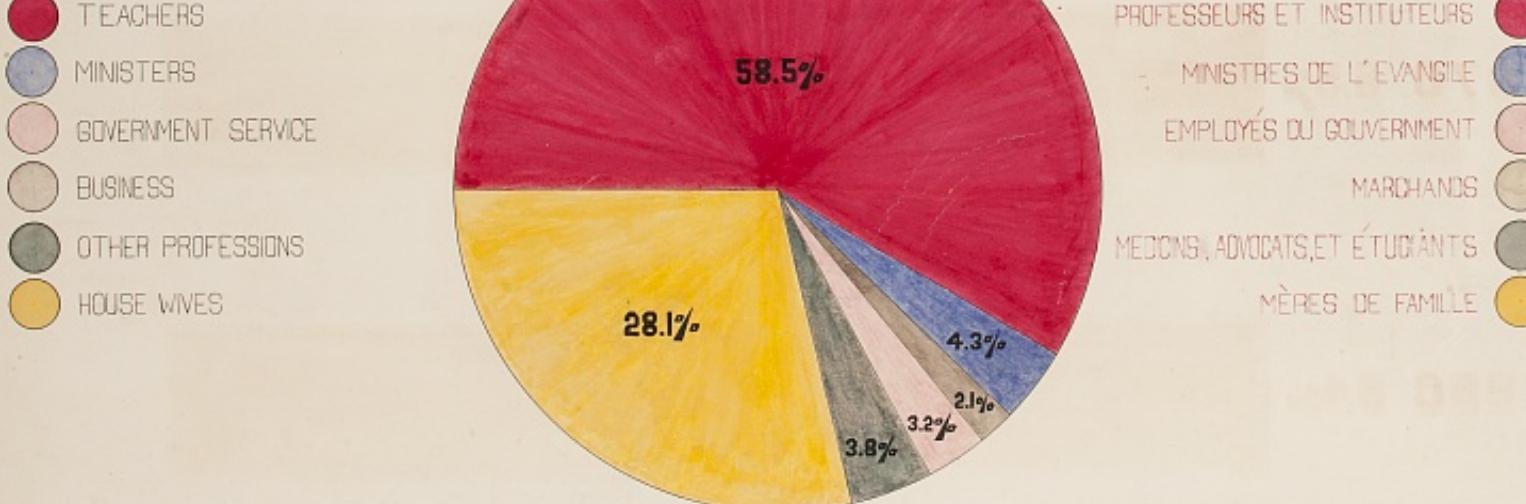
THE UNIVERSITY WAS FOUNDED IN 1867. IT HAS INSTRUCTED 6000 NEGRO STUDENTS.

L'UNIVERSITÉ A ÉTÉ FONDÉE EN 1867. ELLE A DONNÉ L'INSTRUCTION À 6000 ÉTUDIANTS NÈGRES.

IT HAS GRADUATED 330 NEGROES AMONG WHOM ARE:

ELLE A DÉLIVRÉ DES DIPLÔMES À 330 NÈGRES DONT :

28"



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 FREEDMEN 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.

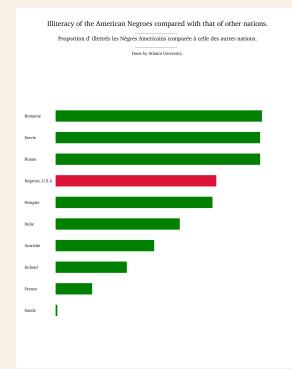
L'UNIVERSITÉ A ACTUELLEMENT 20 PROFESSEURS ET INSTRUCTEURS ET 250 ÉTUDIANTS.

ELLE EST COMPOSÉE DE CINQ BÂTIMENTS, 60 ACRES (ENVIRON 26 HECTARES) DE TERRAIN SERVANT DE COUR ET DE CHAMP DE RÉCRÉATION, ET D'UNE BIBLIOTHÈQUE CONTENANT 11,000 VOLUMES.

SON BUT EST D'ÉLEVER ET DE CIVILISER LES FILS DES NÈGRES AFFRANCHIS EN DONNANT AUX MIEUX DOUÉS UNE ÉDUCATION DANS LES ARTS LIBÉRAUX EN ACCORD AVEC LES IDÉES LES PLUS PROGRESSISTES DE L'ÉPOQUE.

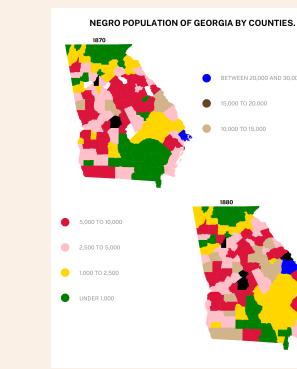
L'ACCOMPLISSEMENT DE CETTE ŒUVRE DEMANDE UNE DOTATION DE \$500,000 (2,500,000 FRANCS).

# Taxonomy



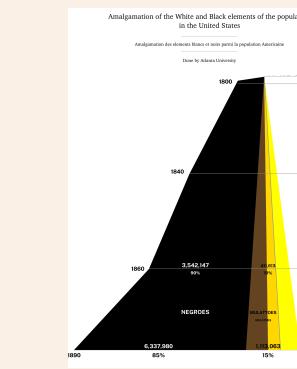
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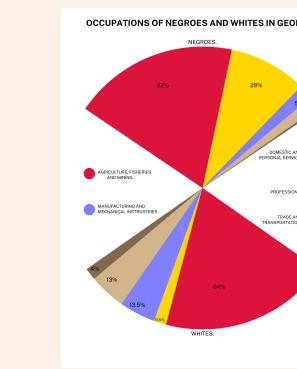
Maps

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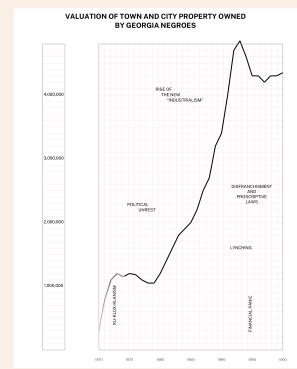
Blocks

14.04%



Circles

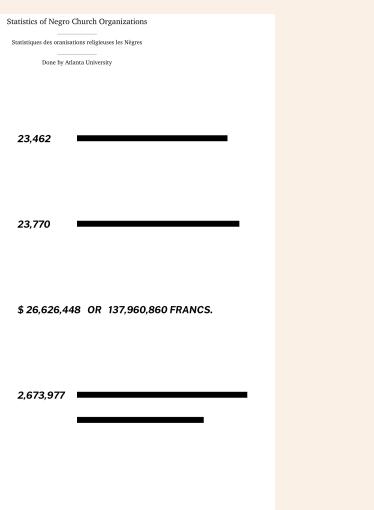
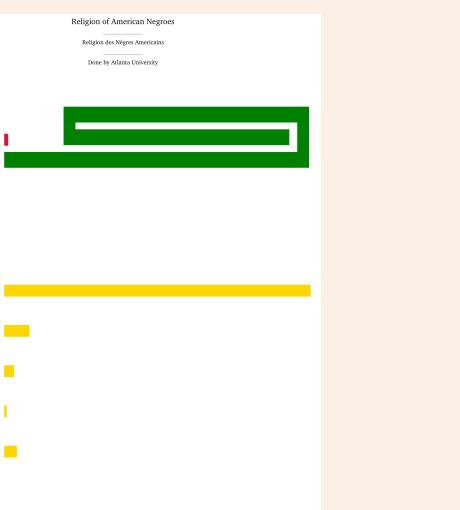
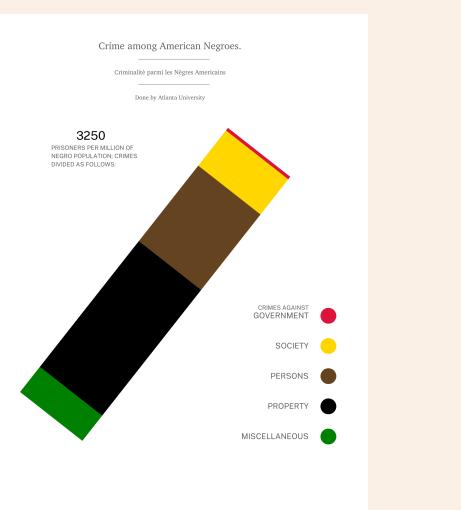
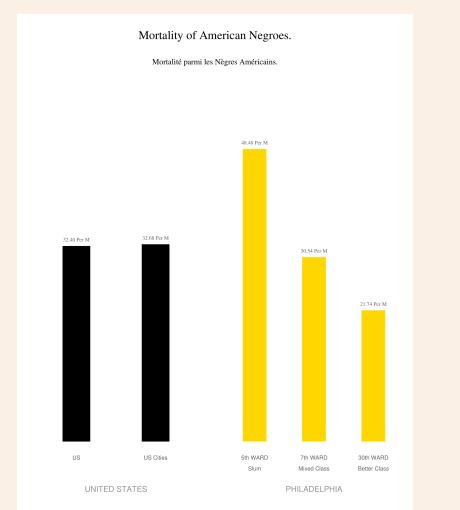
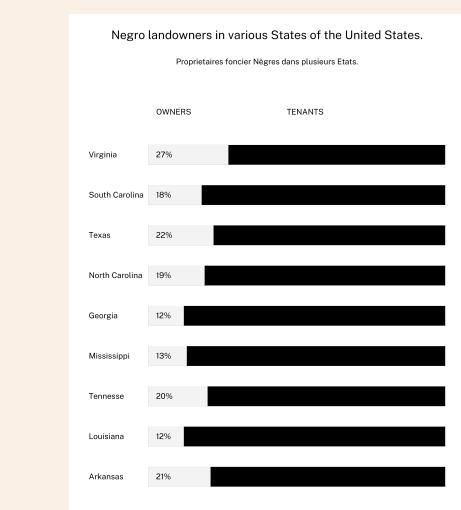
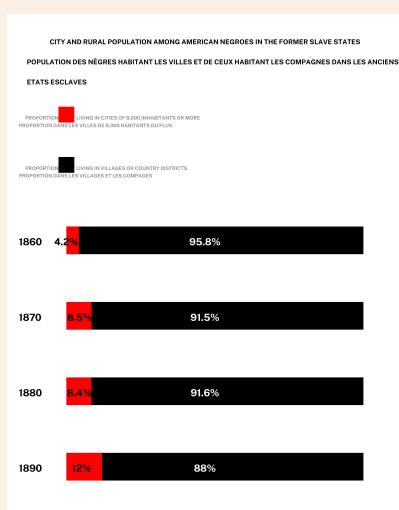
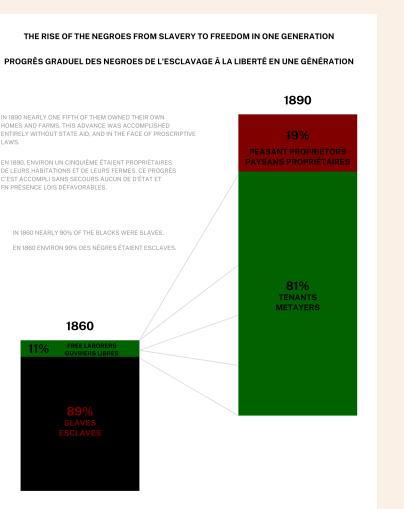
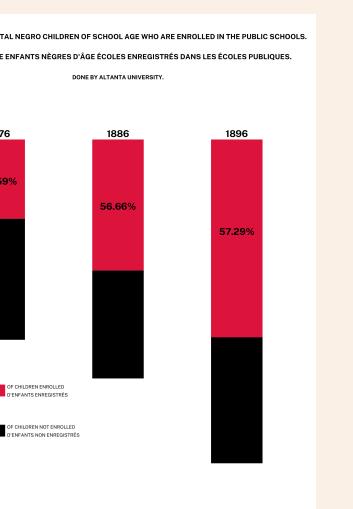
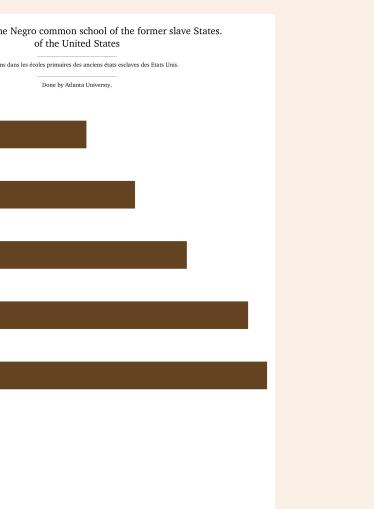
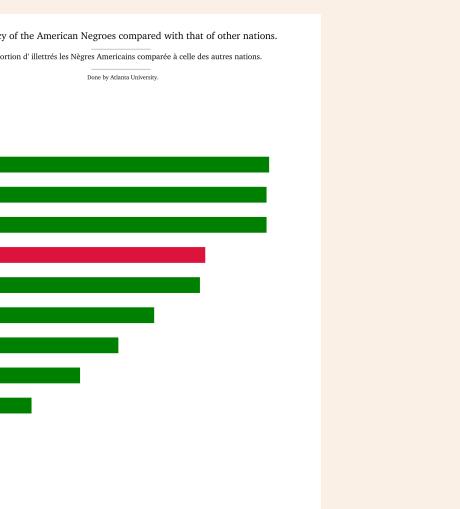
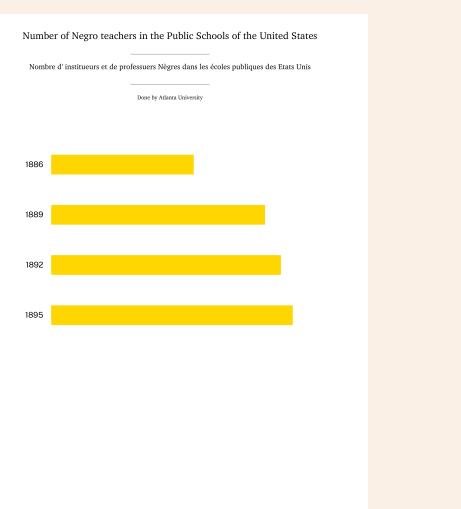
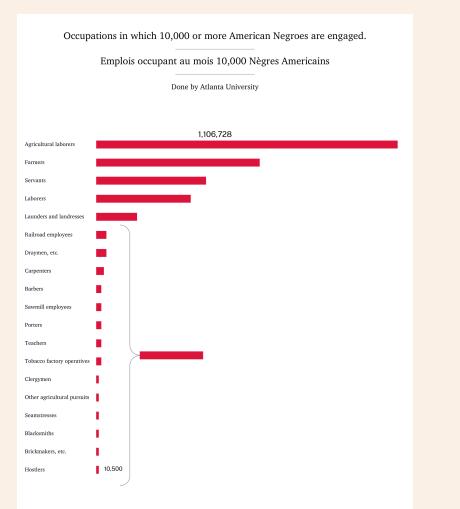
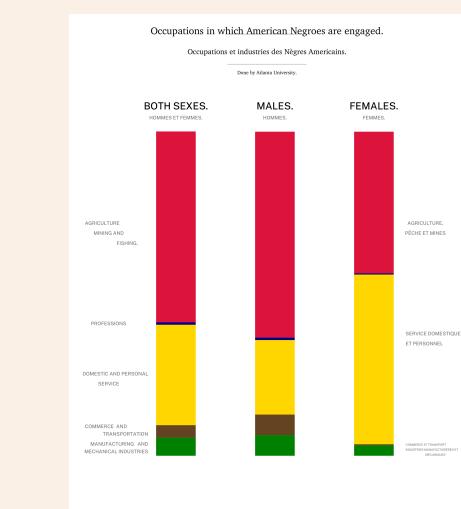
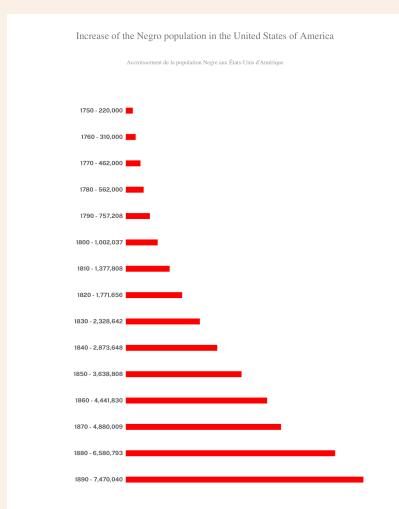
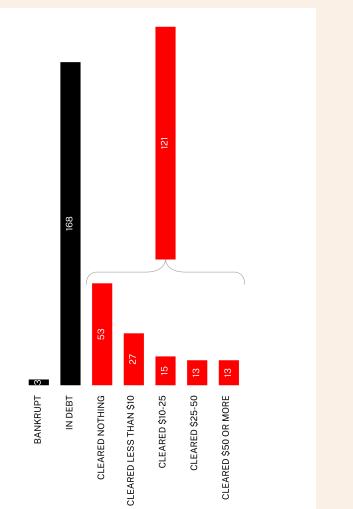
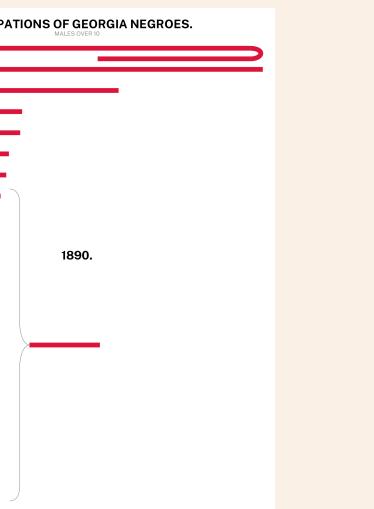
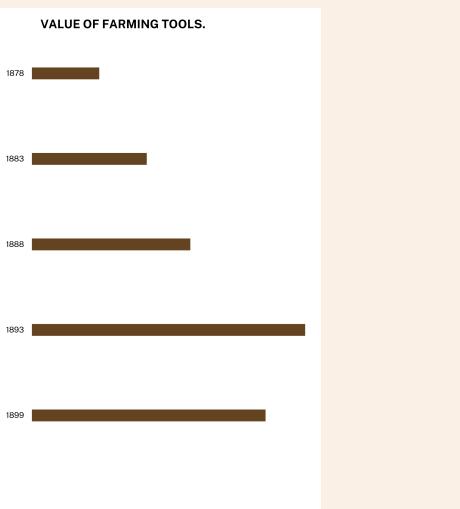
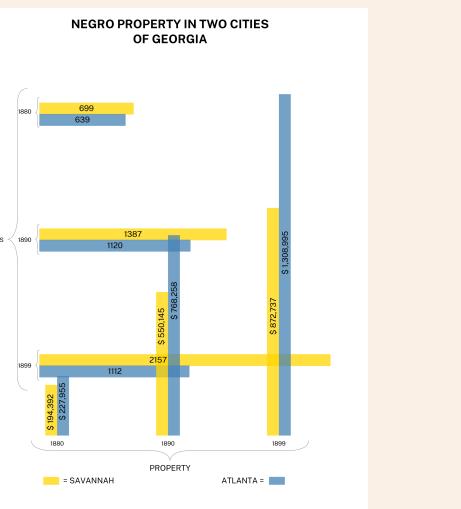
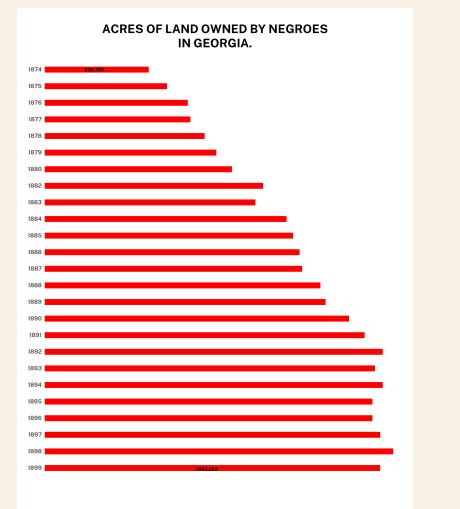
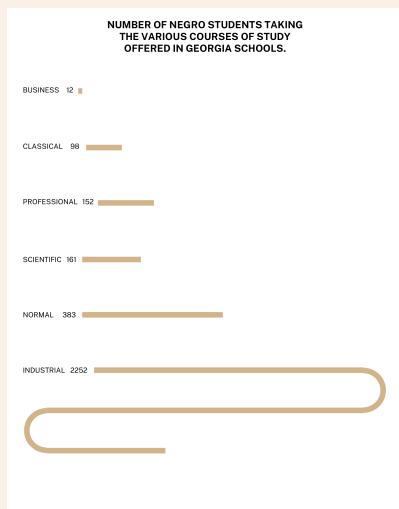
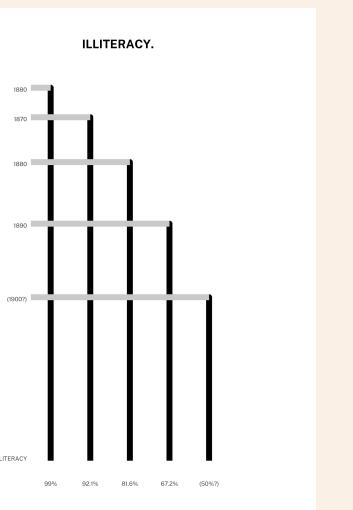
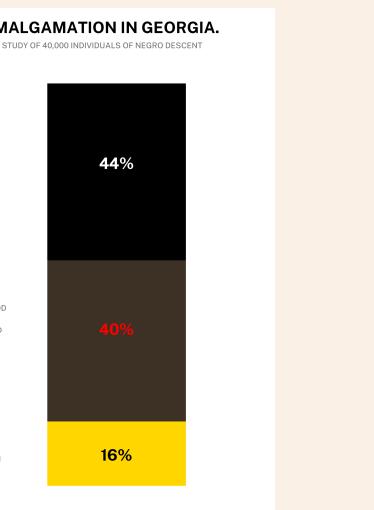
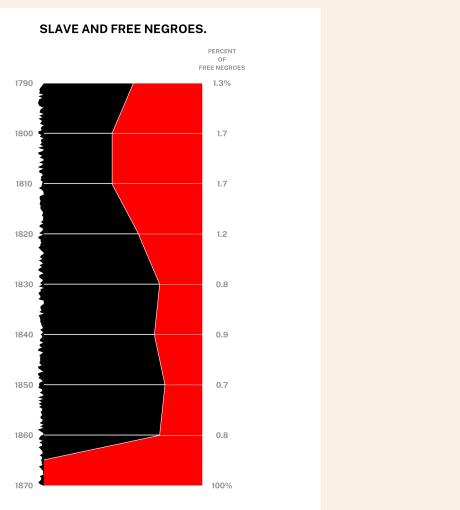
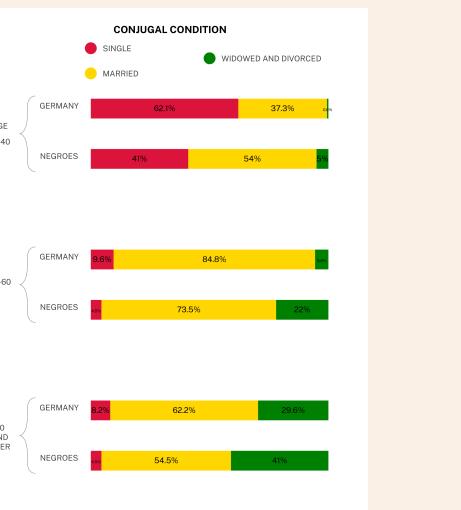
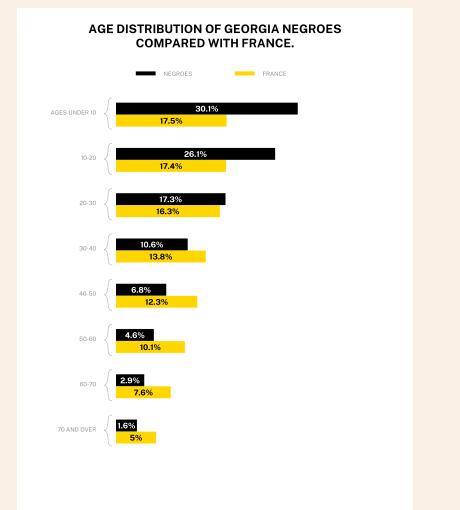
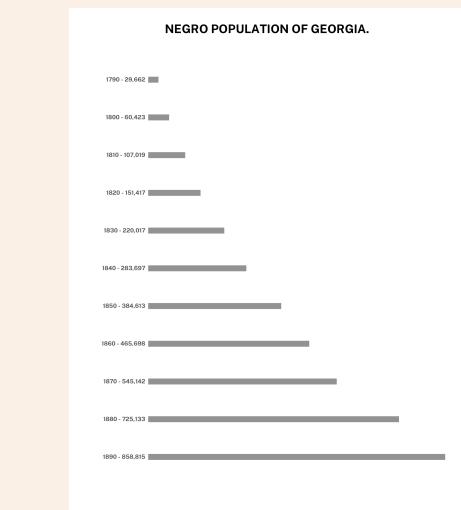
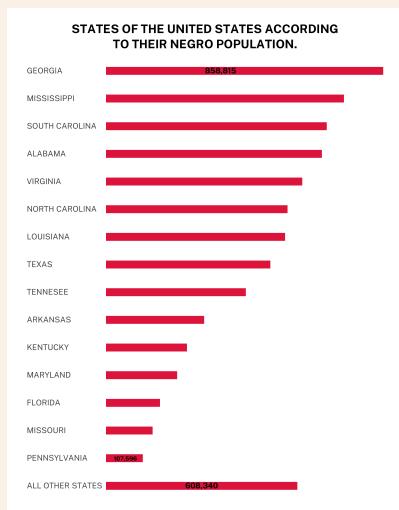
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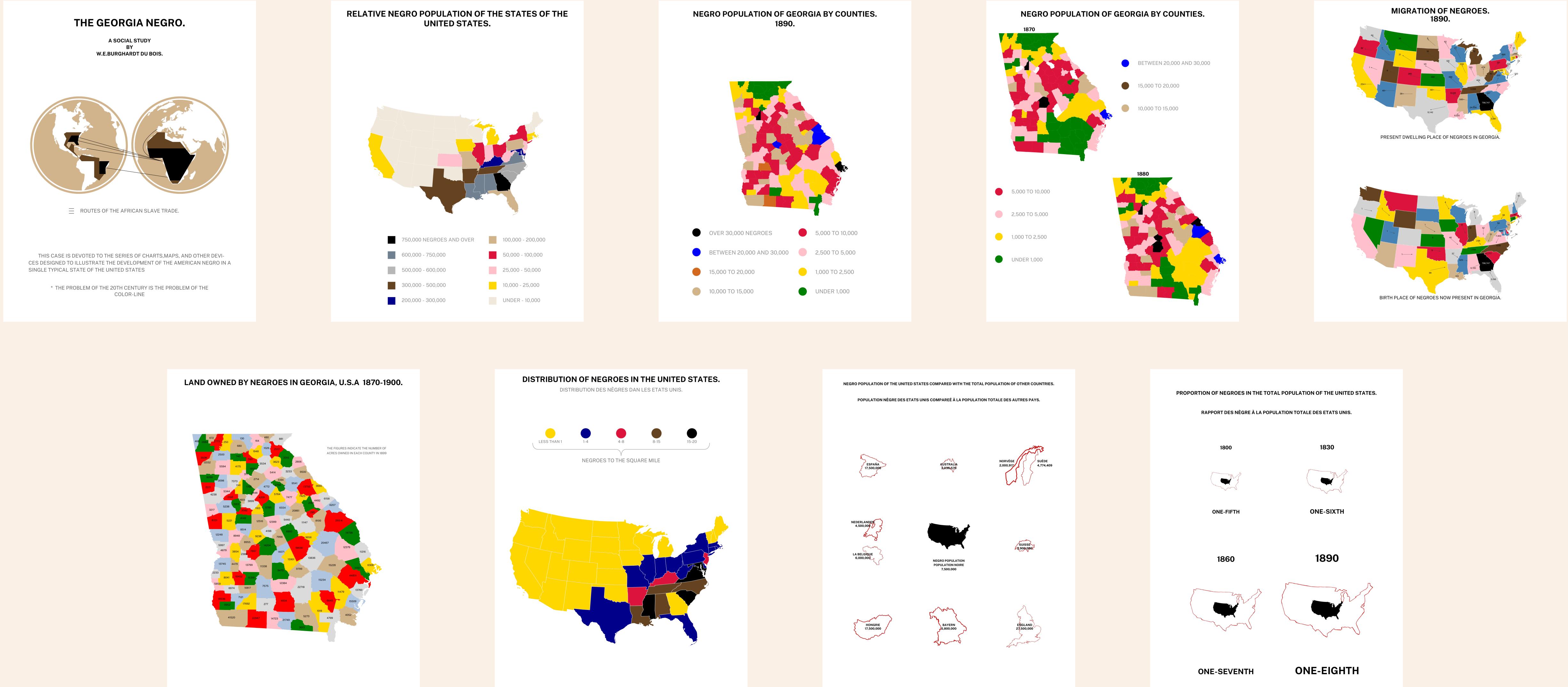
Graphs

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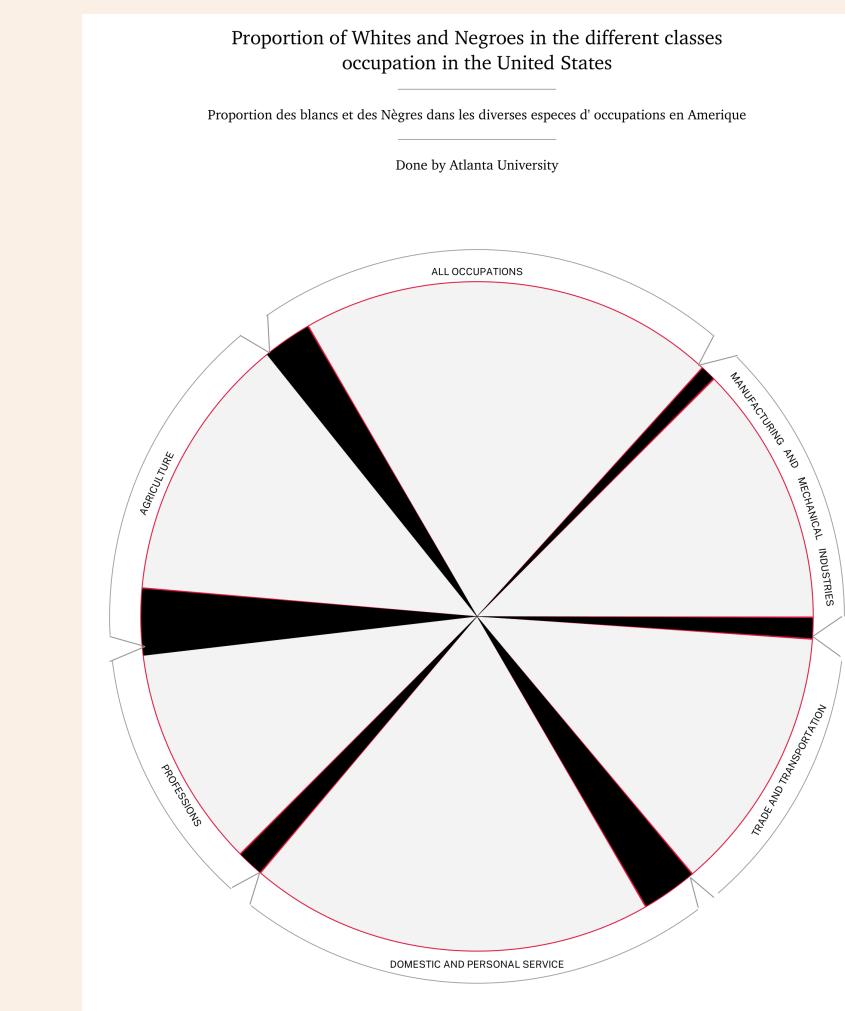
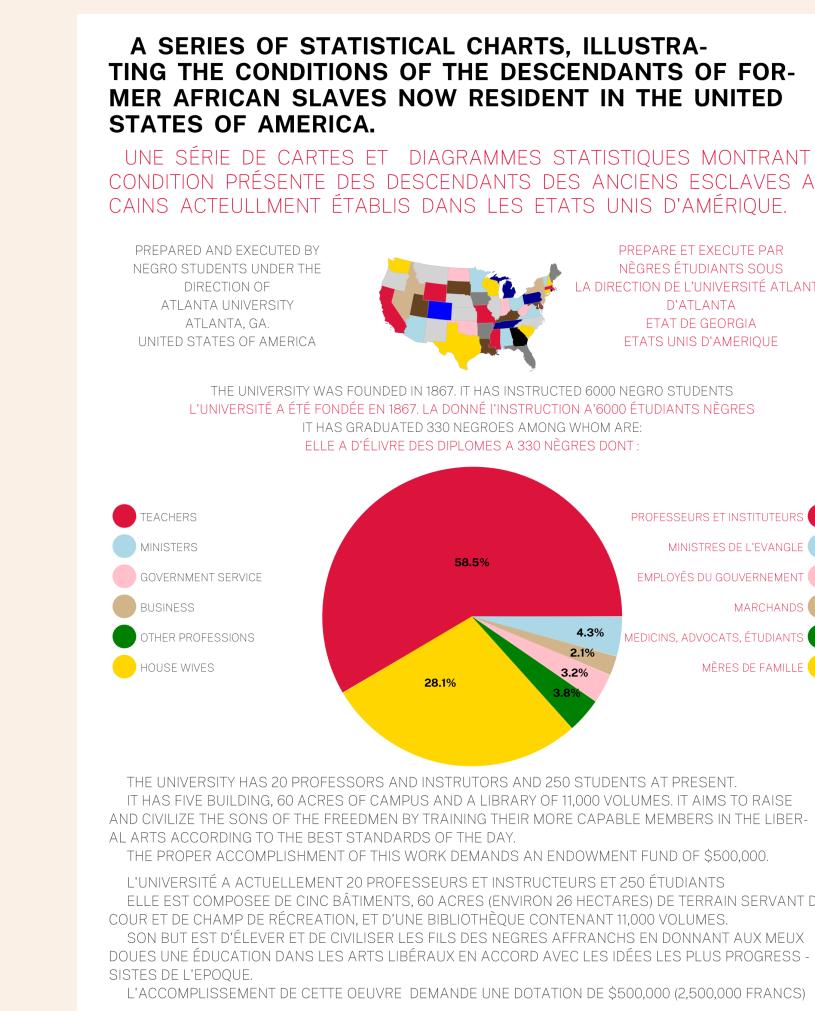
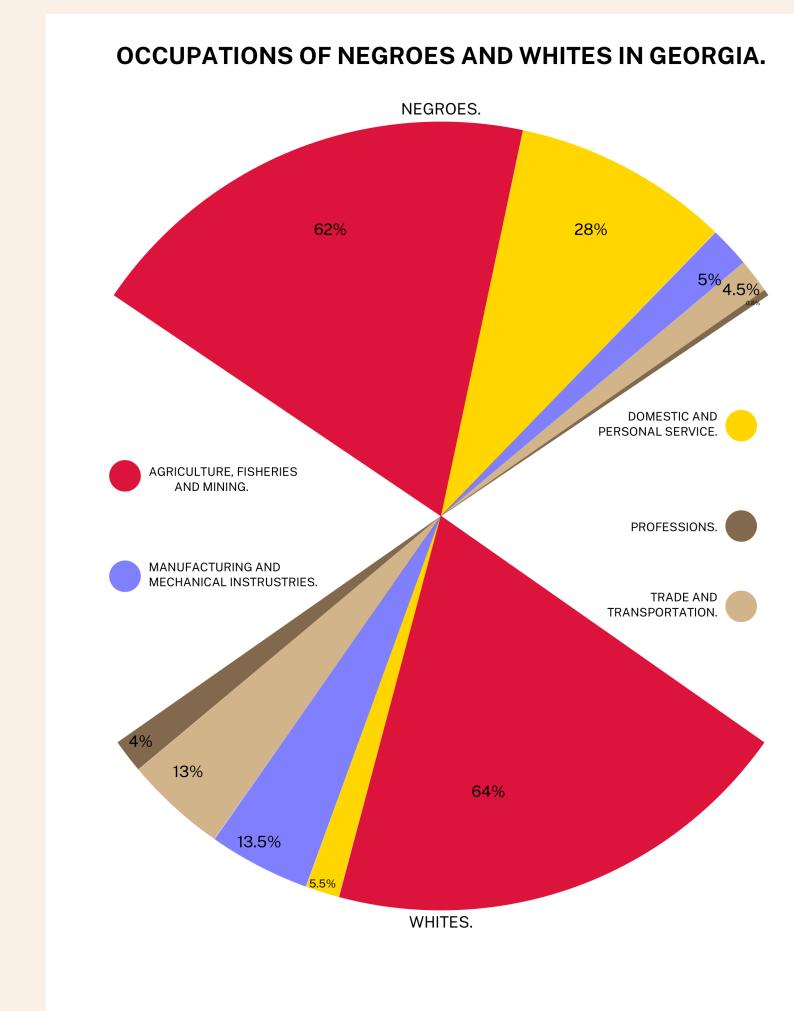
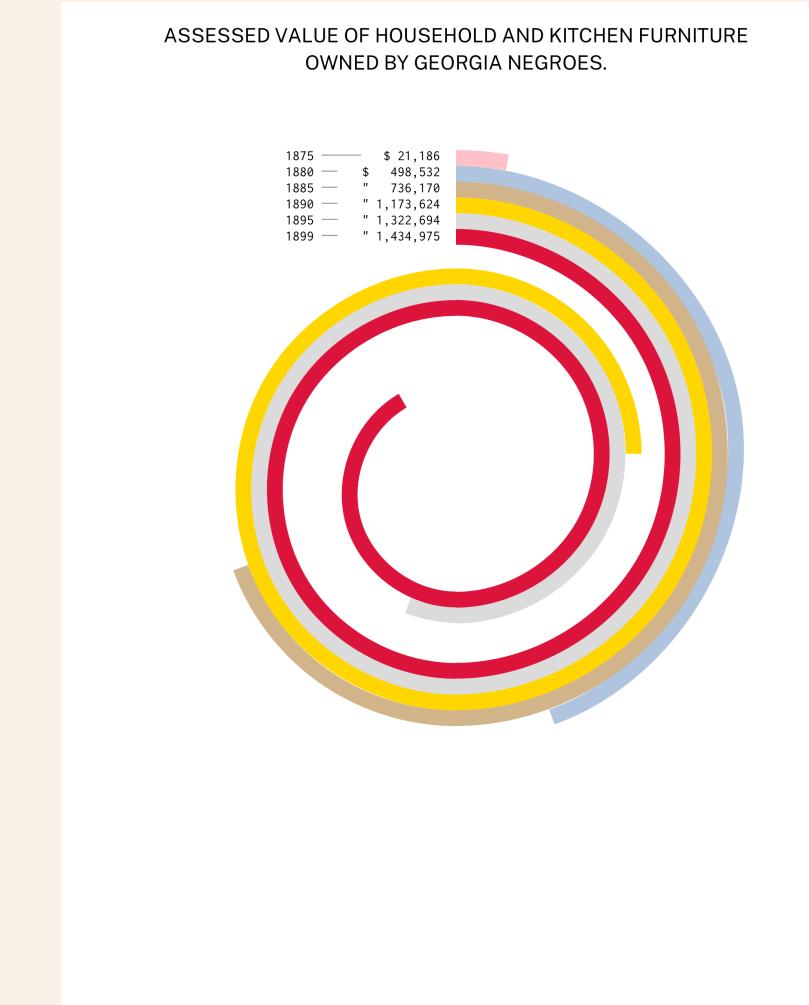
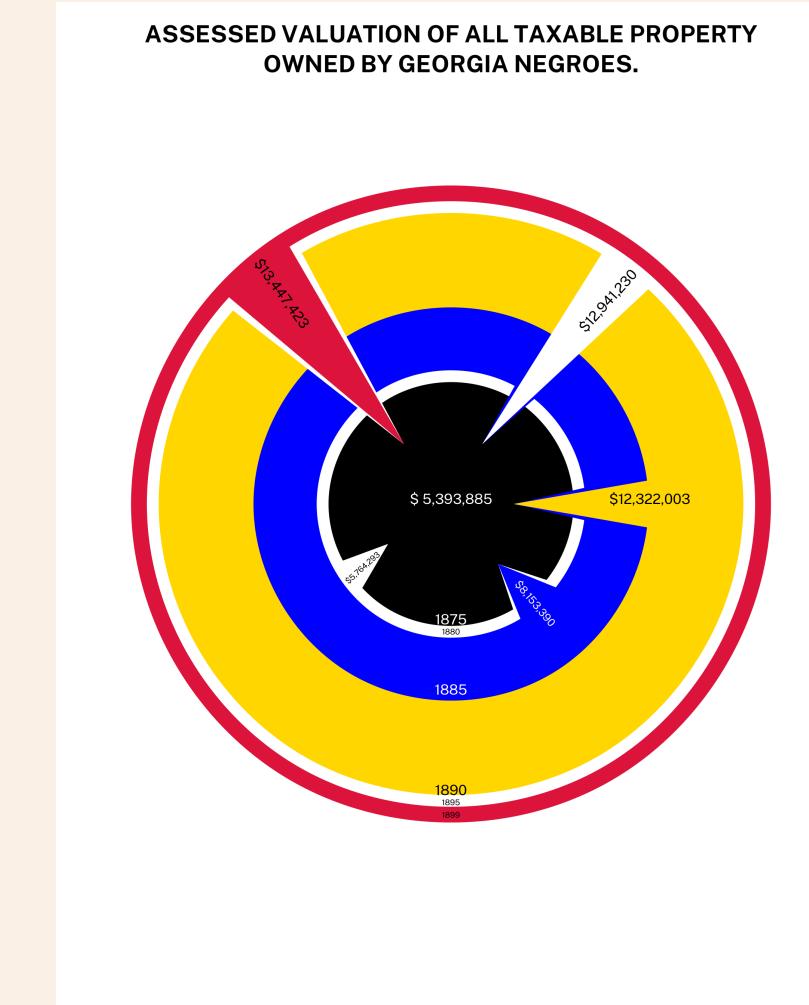
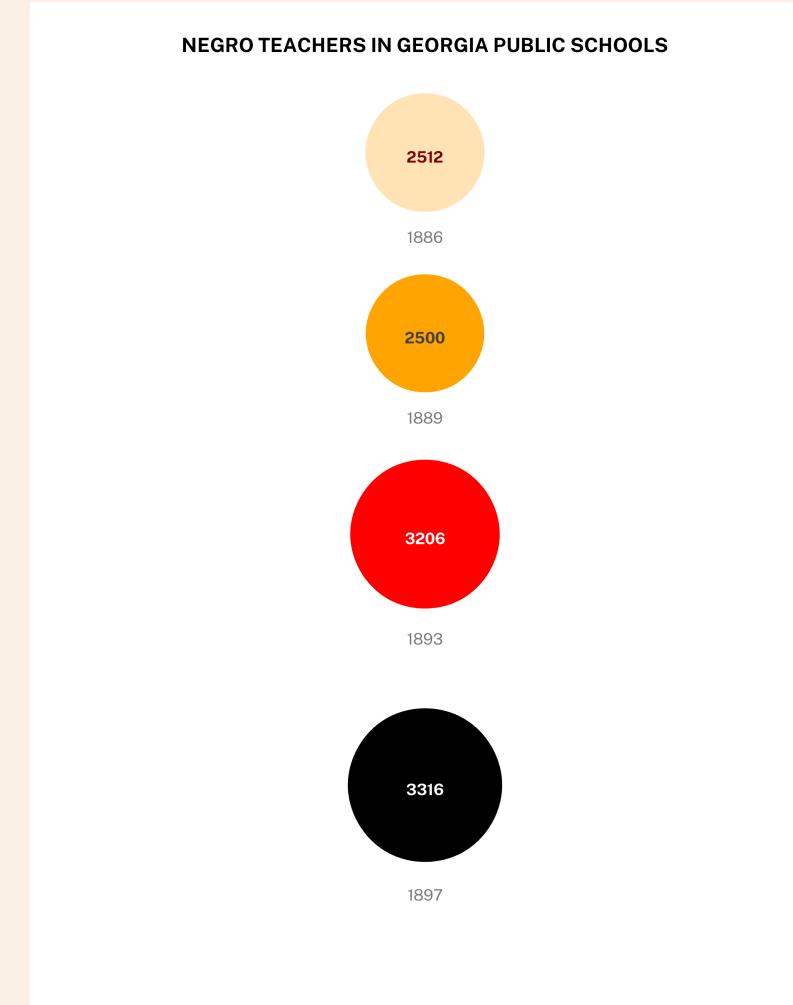
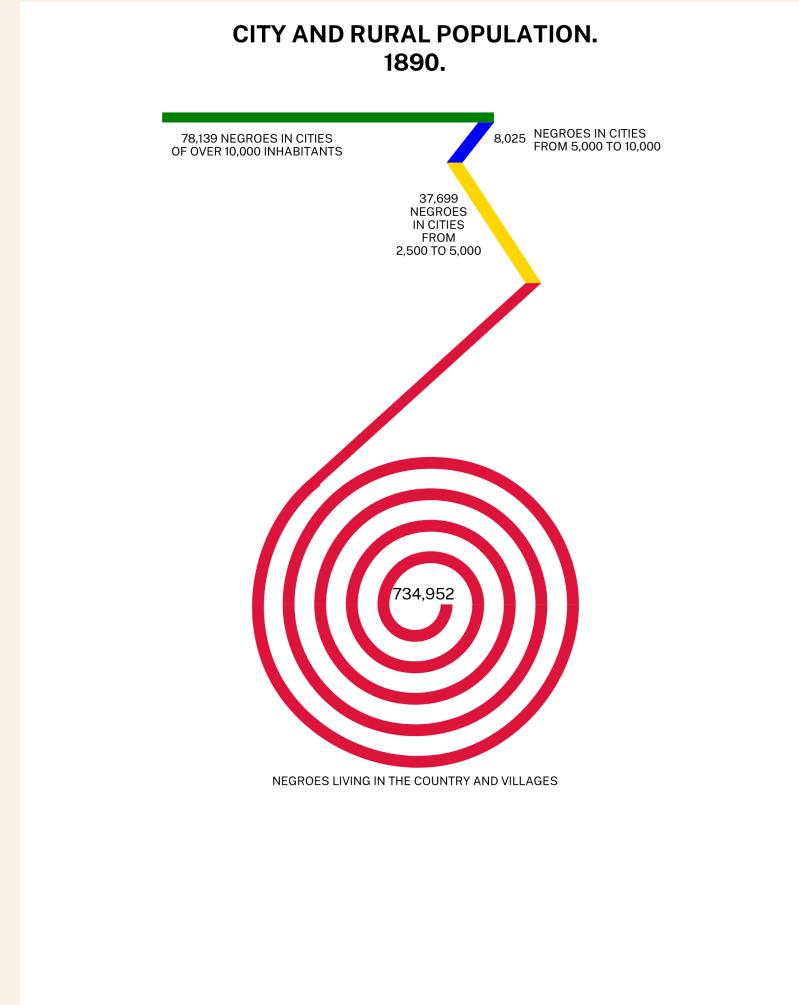
# Bars



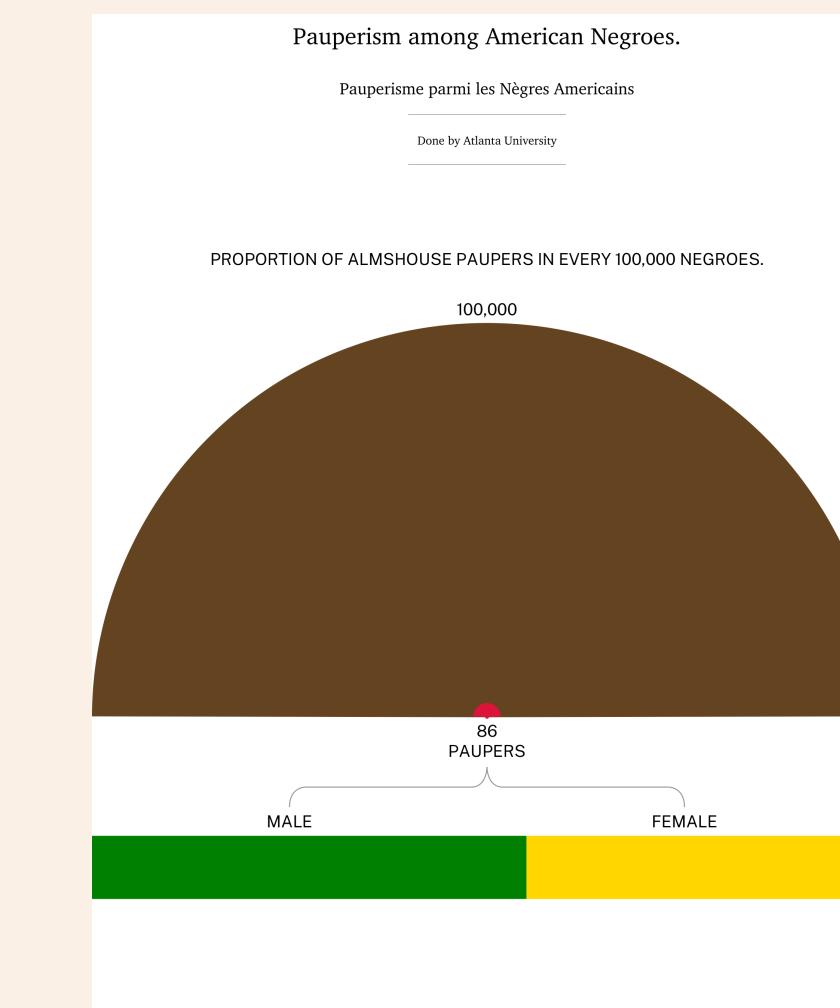
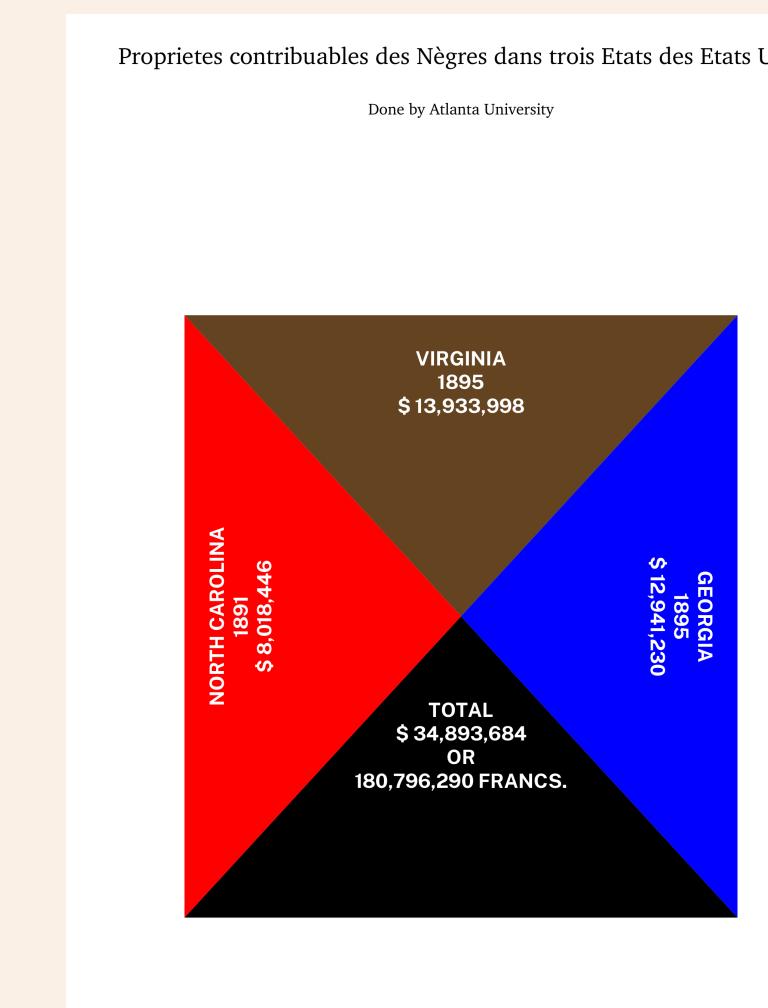
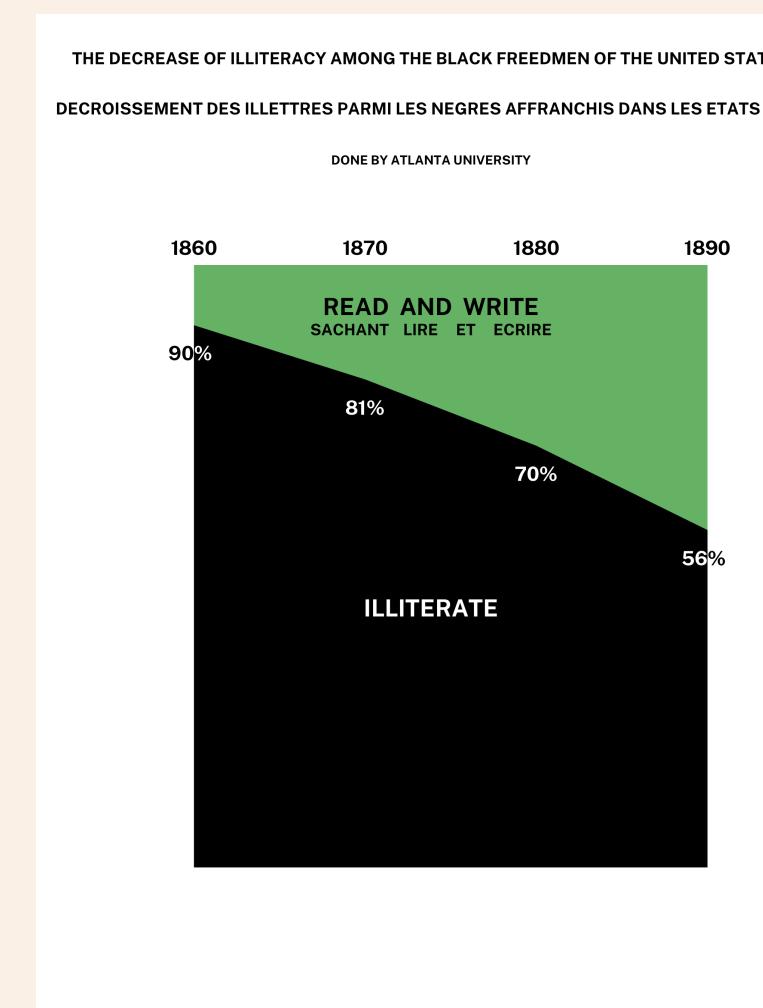
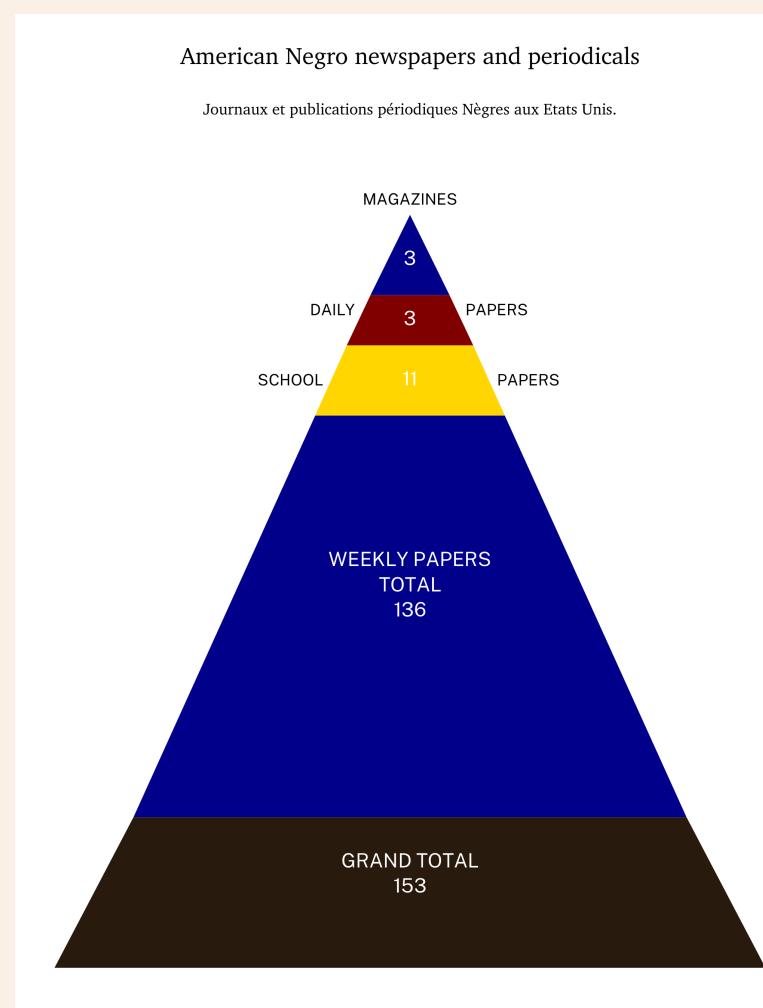
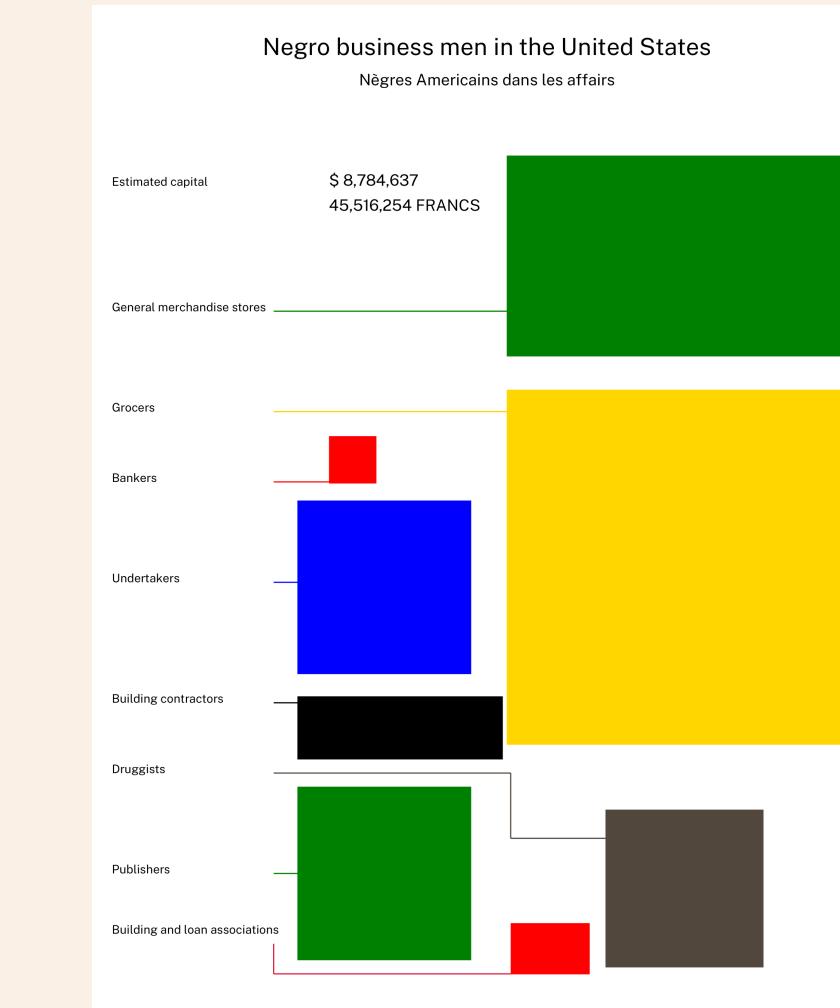
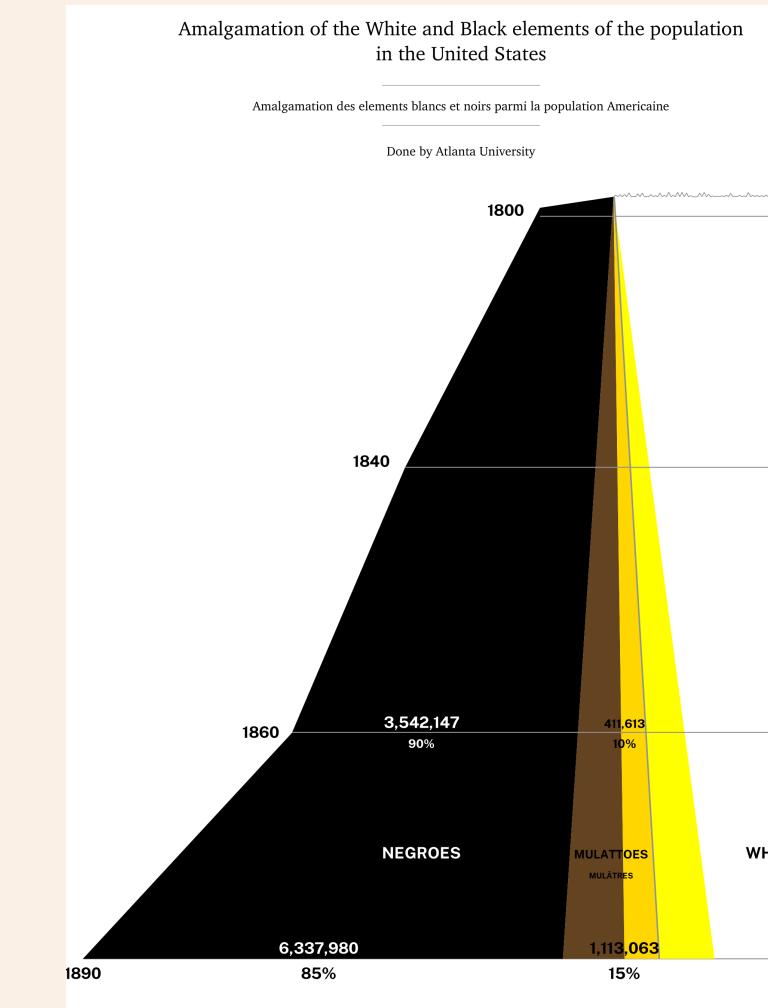
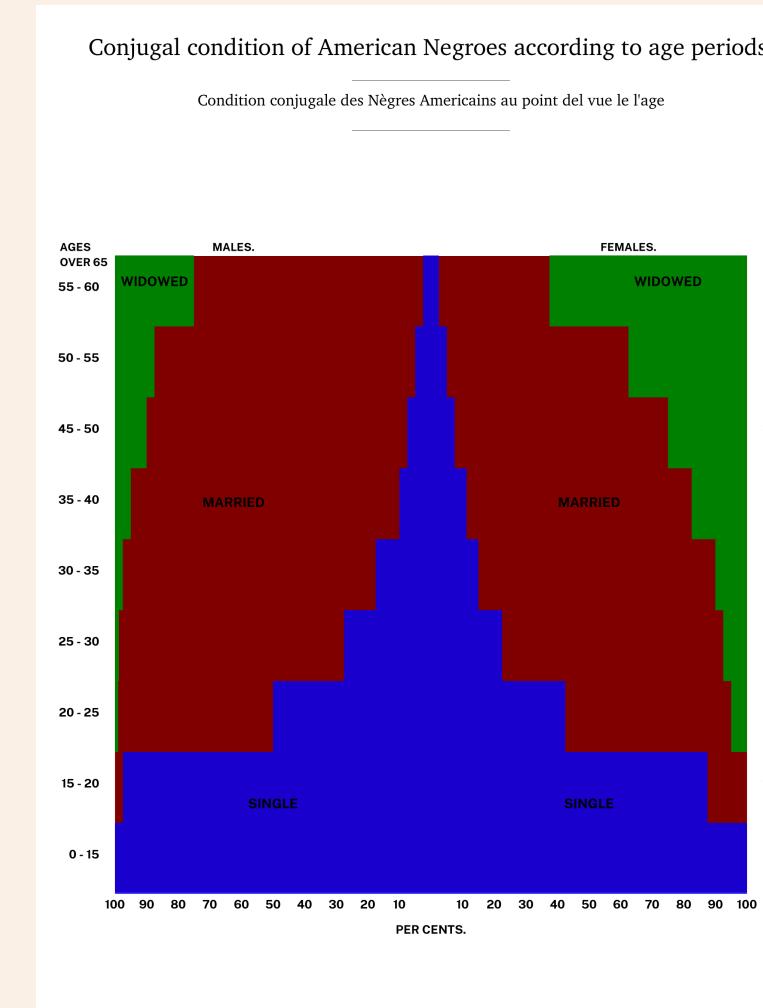
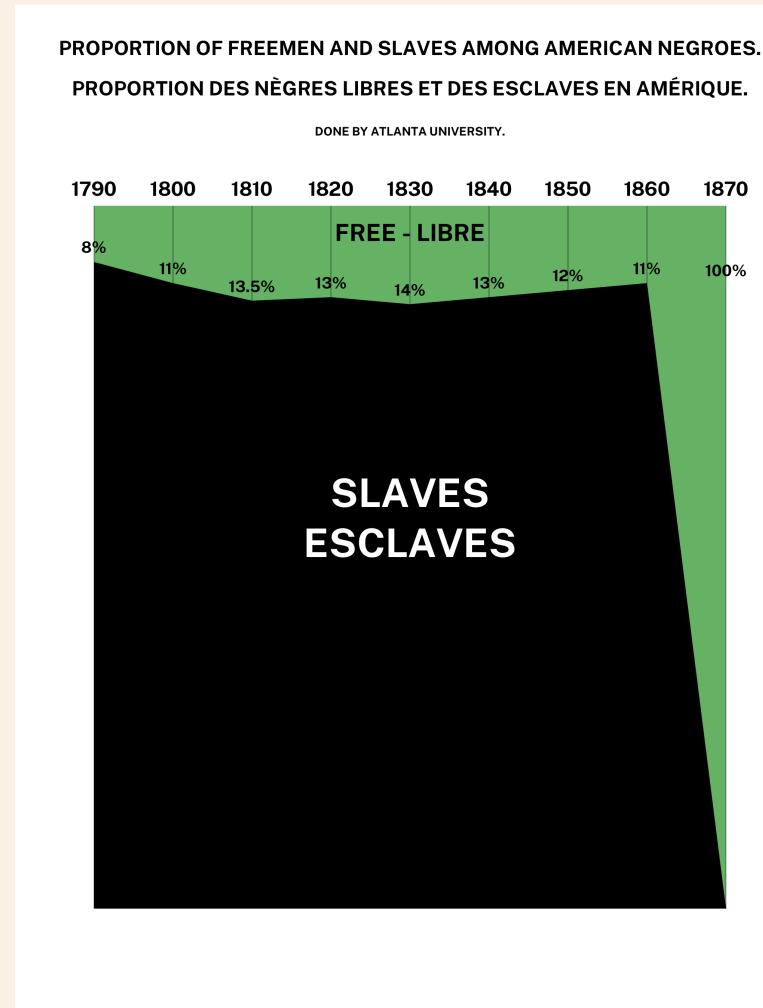
# Maps



# Circles

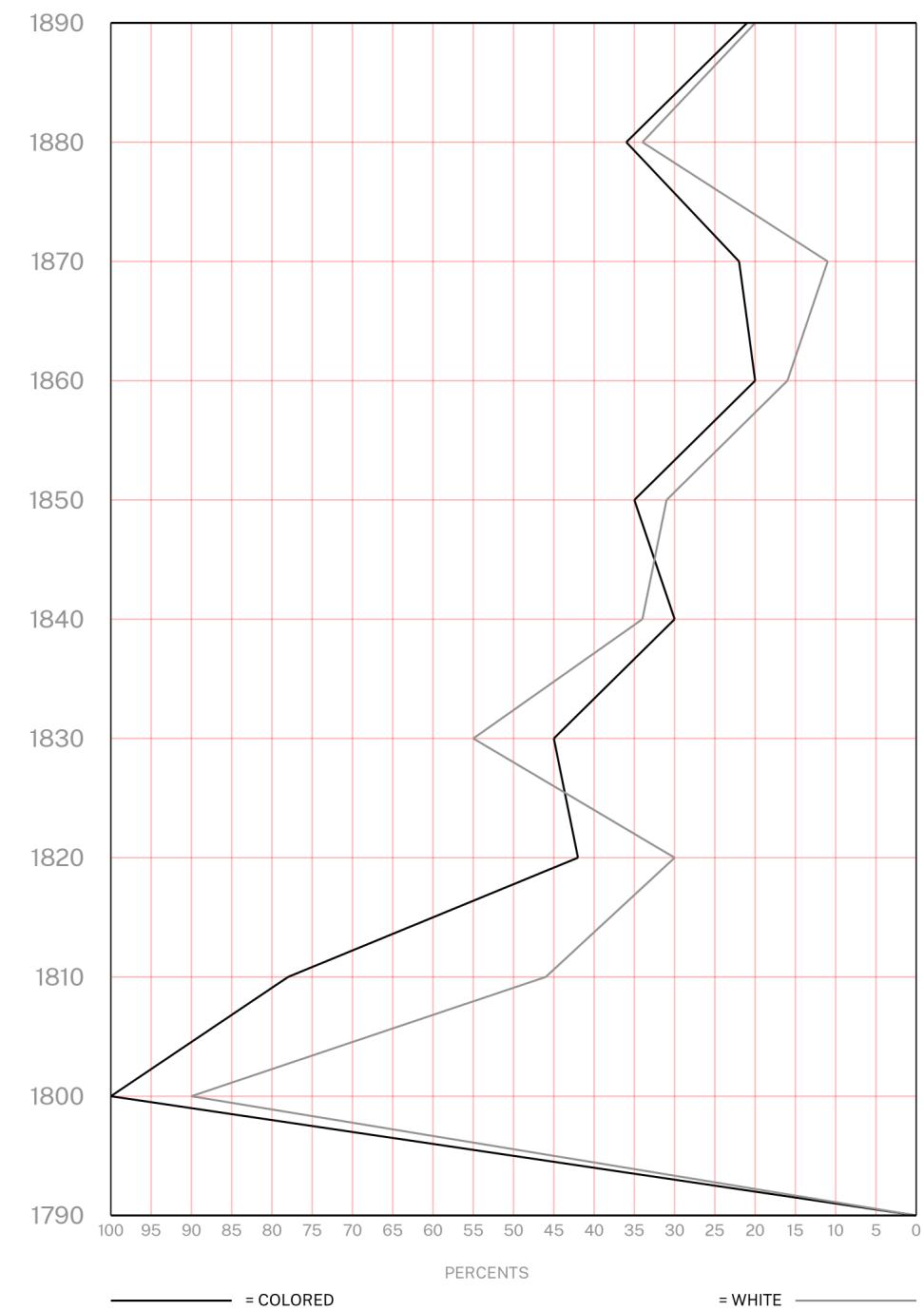


# Blocks

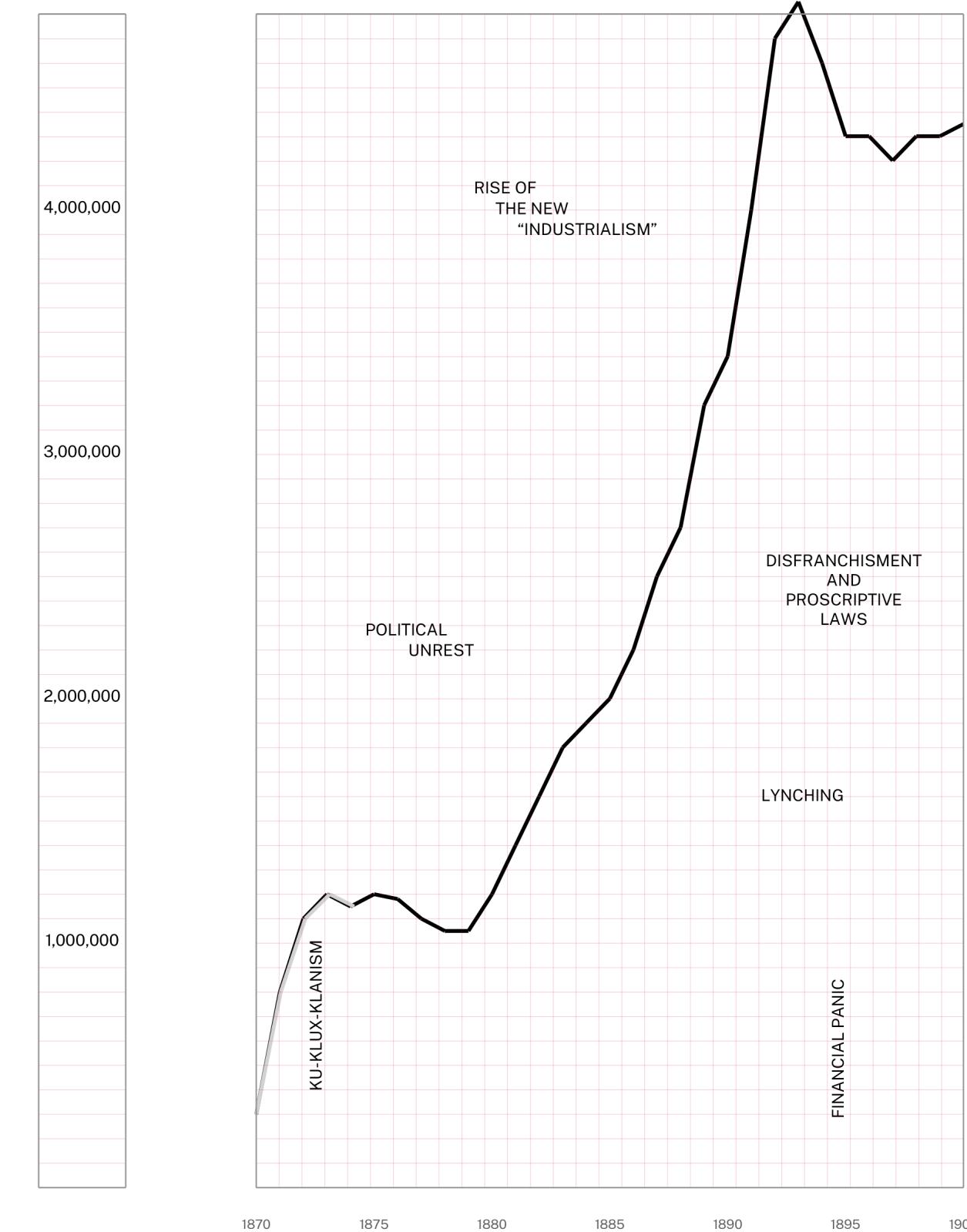


# Graphs

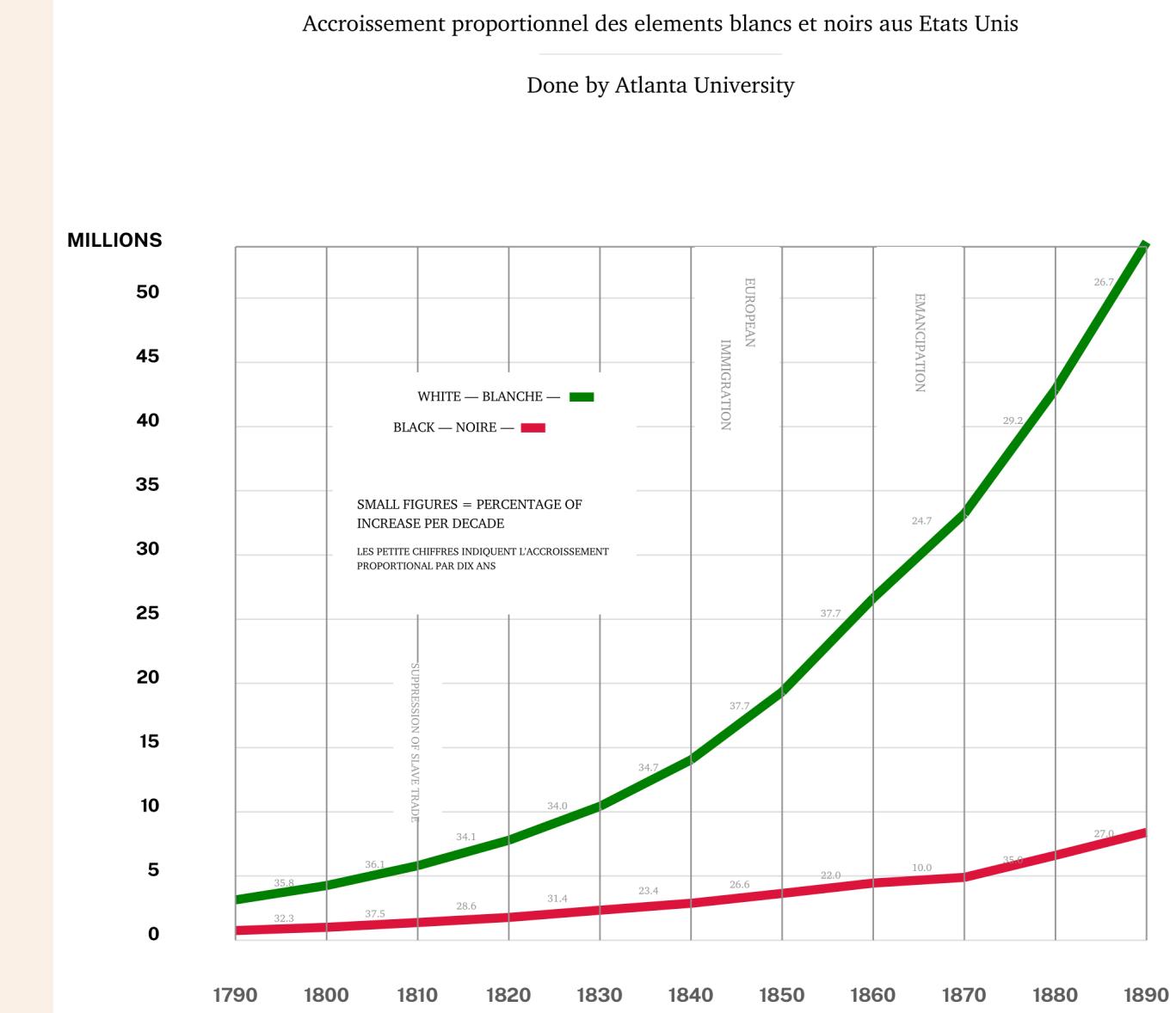
**COMPARATIVE INCREASE OF WHITE AND COLORED POPULATION OF GEORGIA.**



**VALUATION OF TOWN AND CITY PROPERTY OWNED BY GEORGIA NEGROES**



Comparative rate of increase of the White and Negro elements population of the United States



# Color Palette

black



#000000

brown



#654321

tan



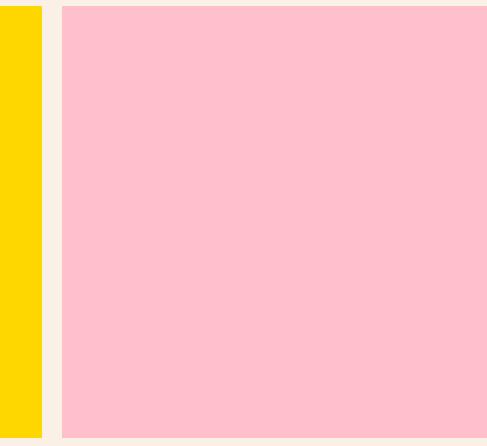
#d2b48c

gold



#ffd700

pink



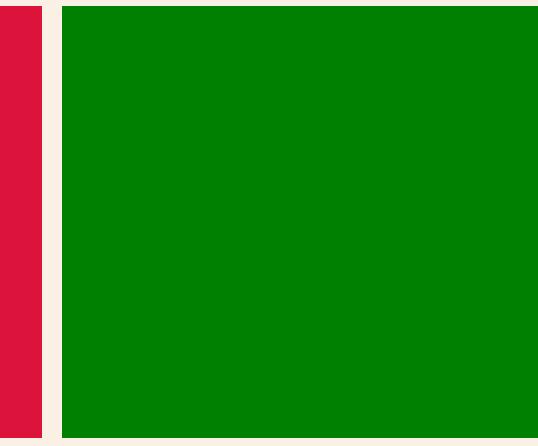
#ffc0cb

red



#dc143c

green



#00aa00

blue



#4682b4

Typography

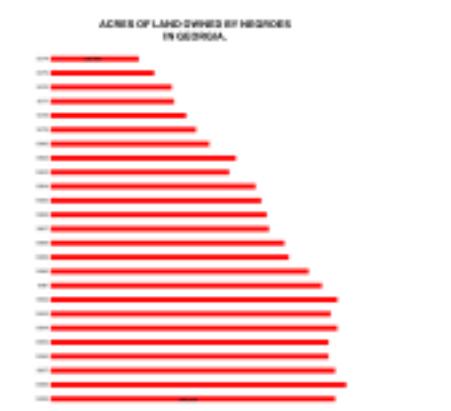
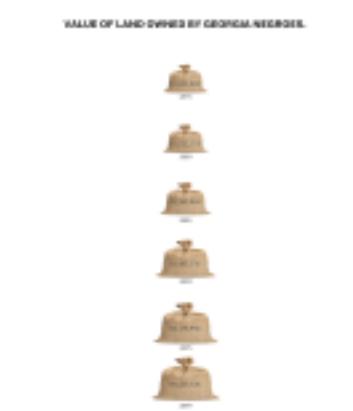
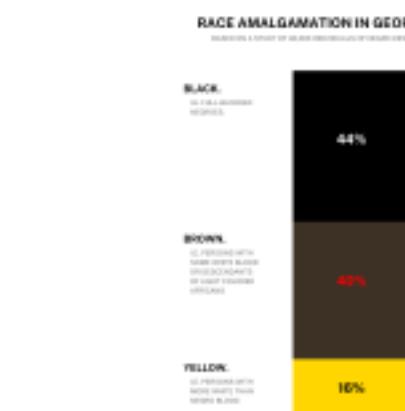
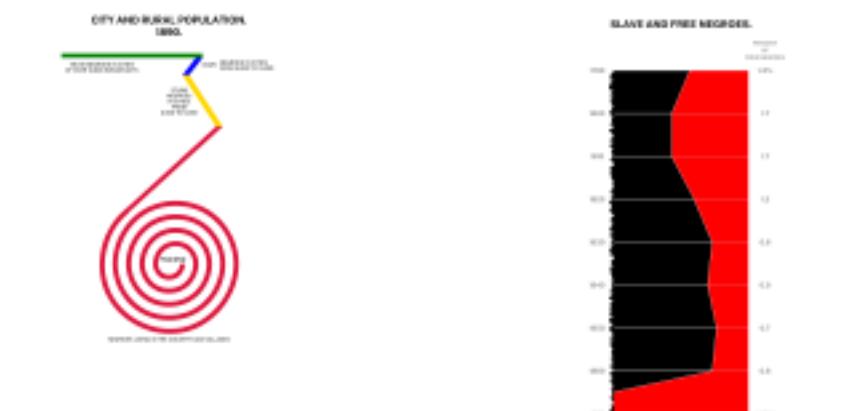
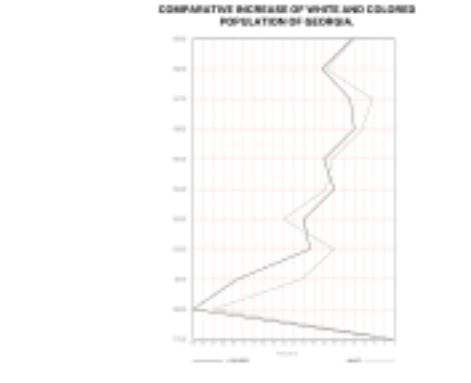
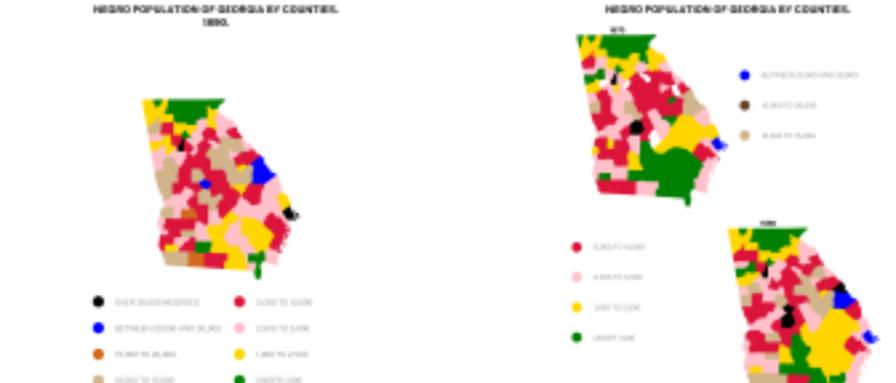
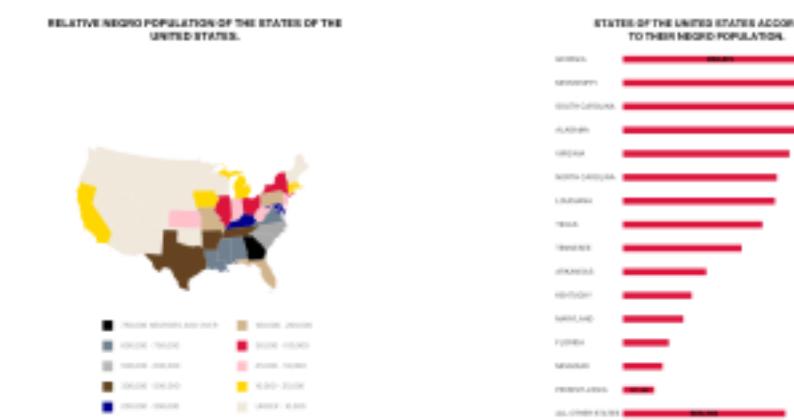
Public Sans

Charter

WILLIAM

# Re-Creating the Du Bois Data Portraits

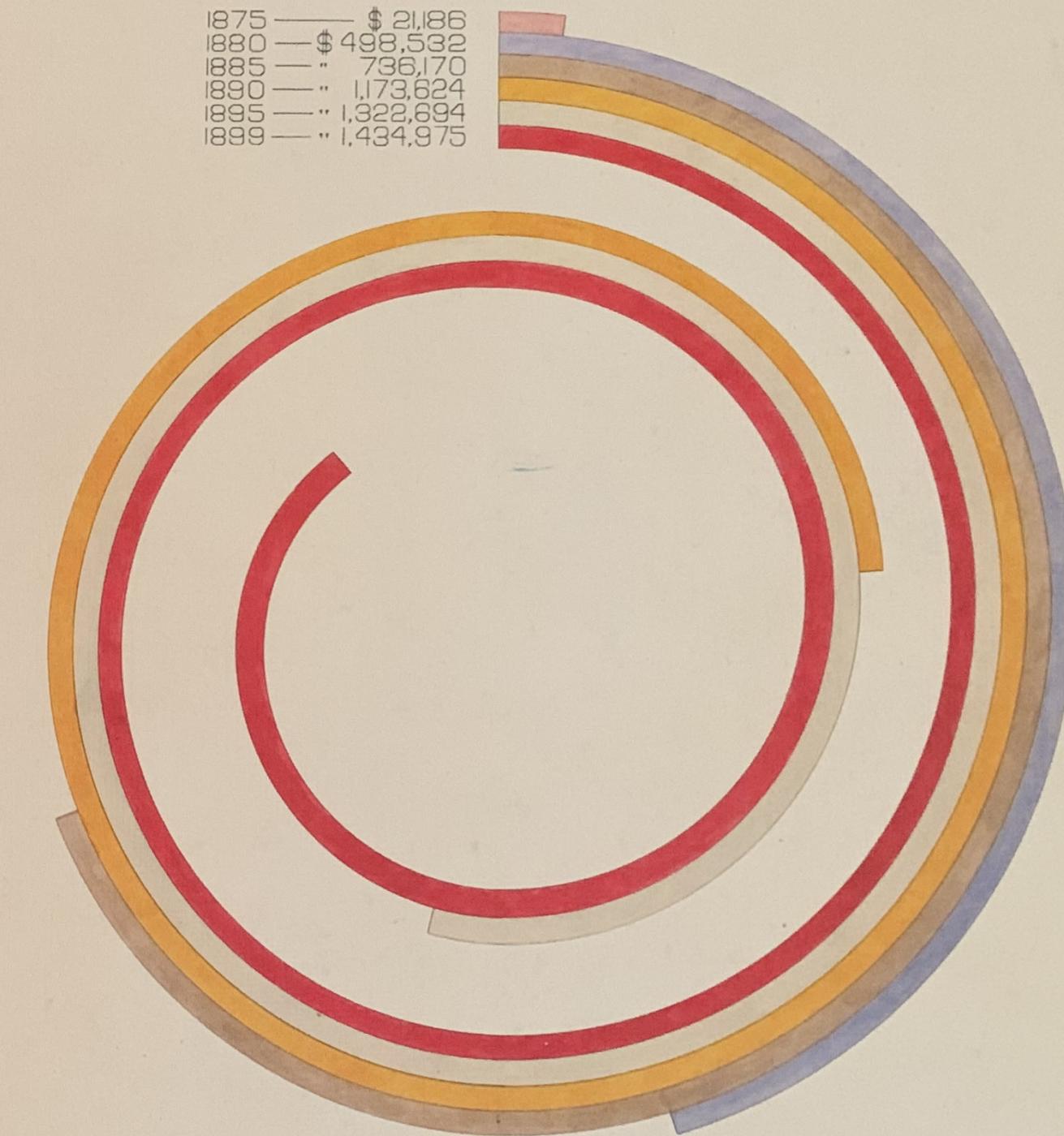




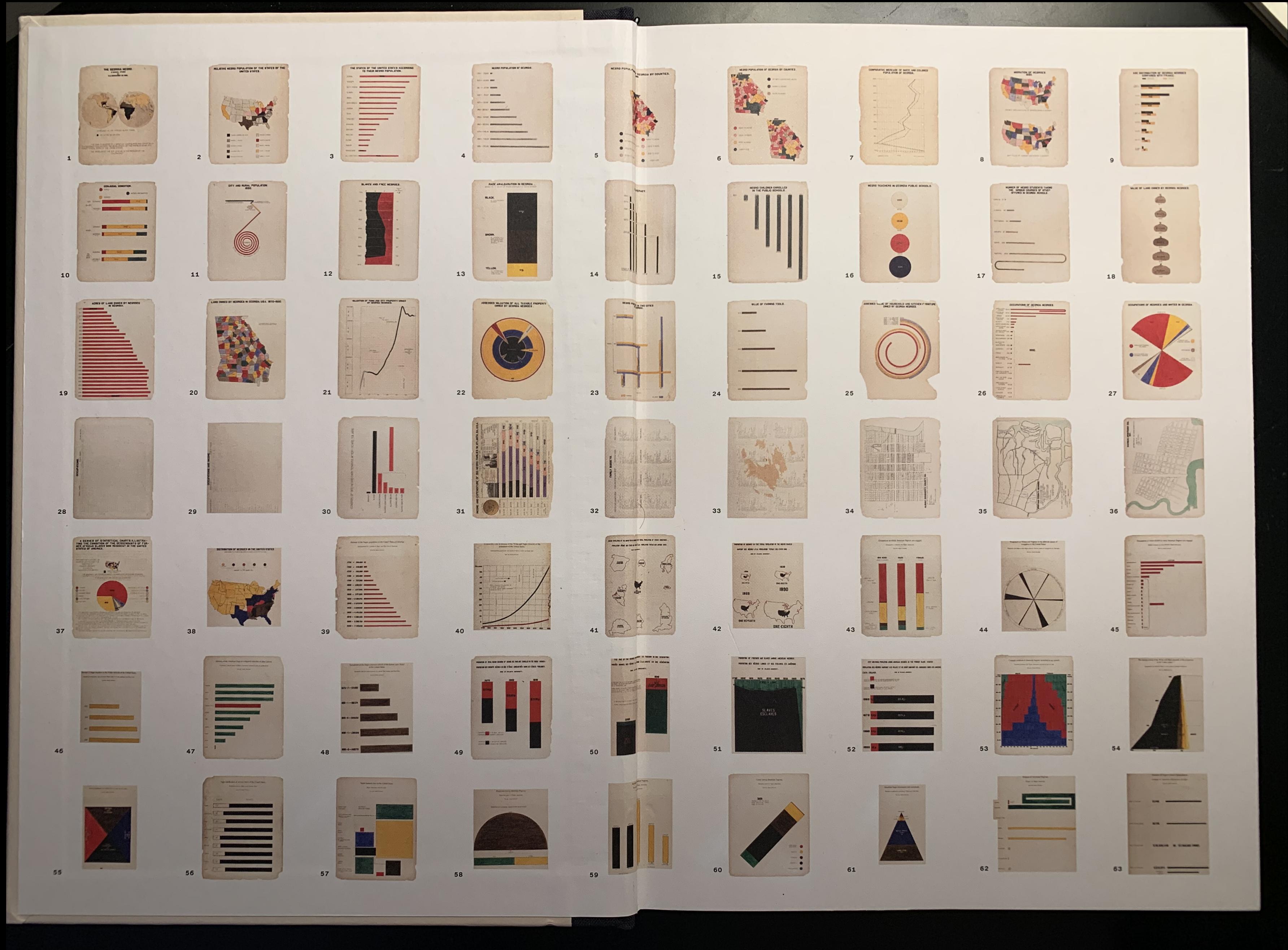
**W. E. B. Du Bois's Data Portraits**  
**Visualizing Black America**

THE COLOR LINE AT THE TURN OF THE TWENTIETH CENTURY

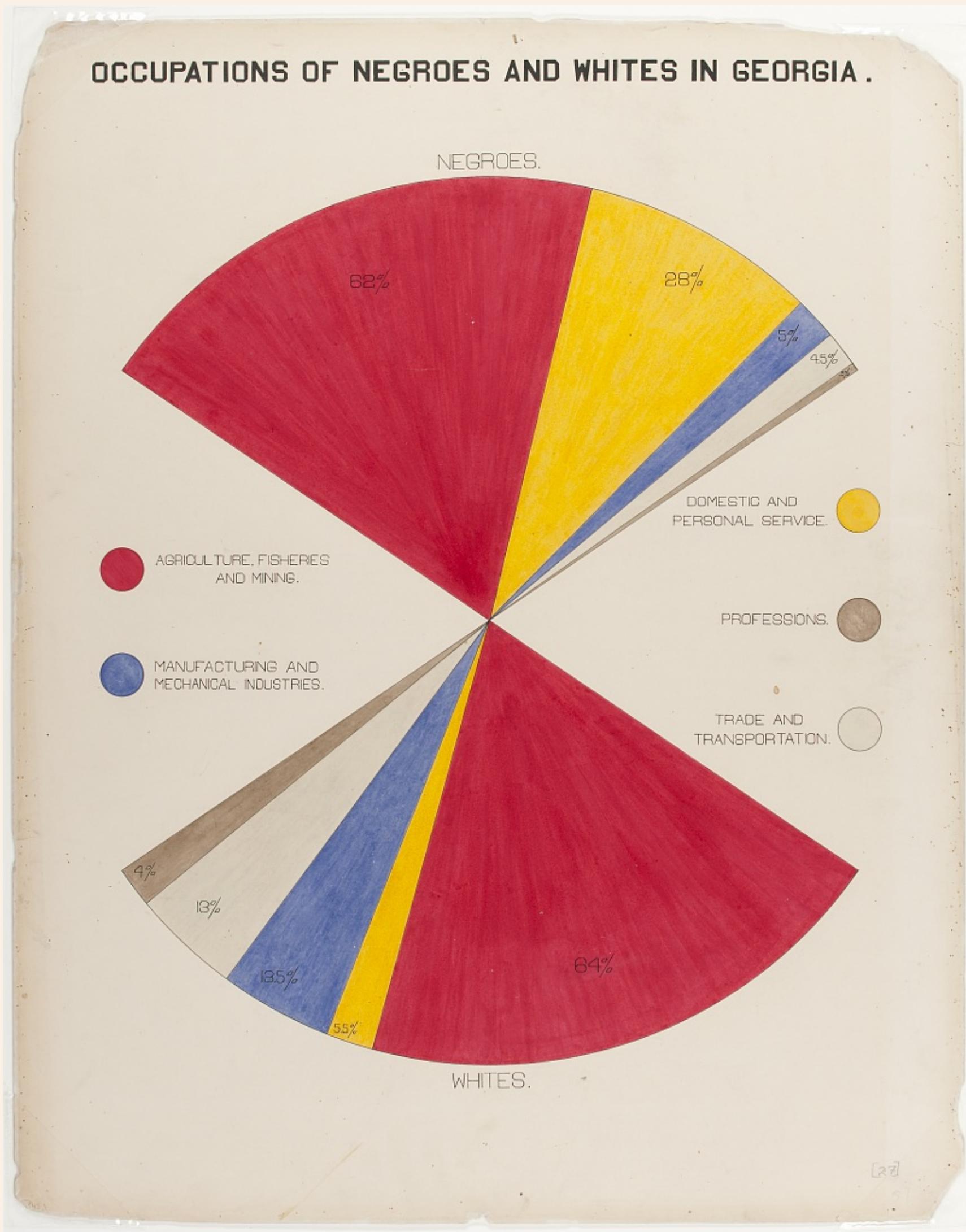
1875 — \$ 21,86  
1880 — \$ 498,582  
1885 — " 786,170  
1890 — " 1,173,624  
1895 — " 1,322,894  
1899 — " 1,434,975



WHITNEY BATTLE-BAPTISTE *and* BRITT RUSERT, *editors*

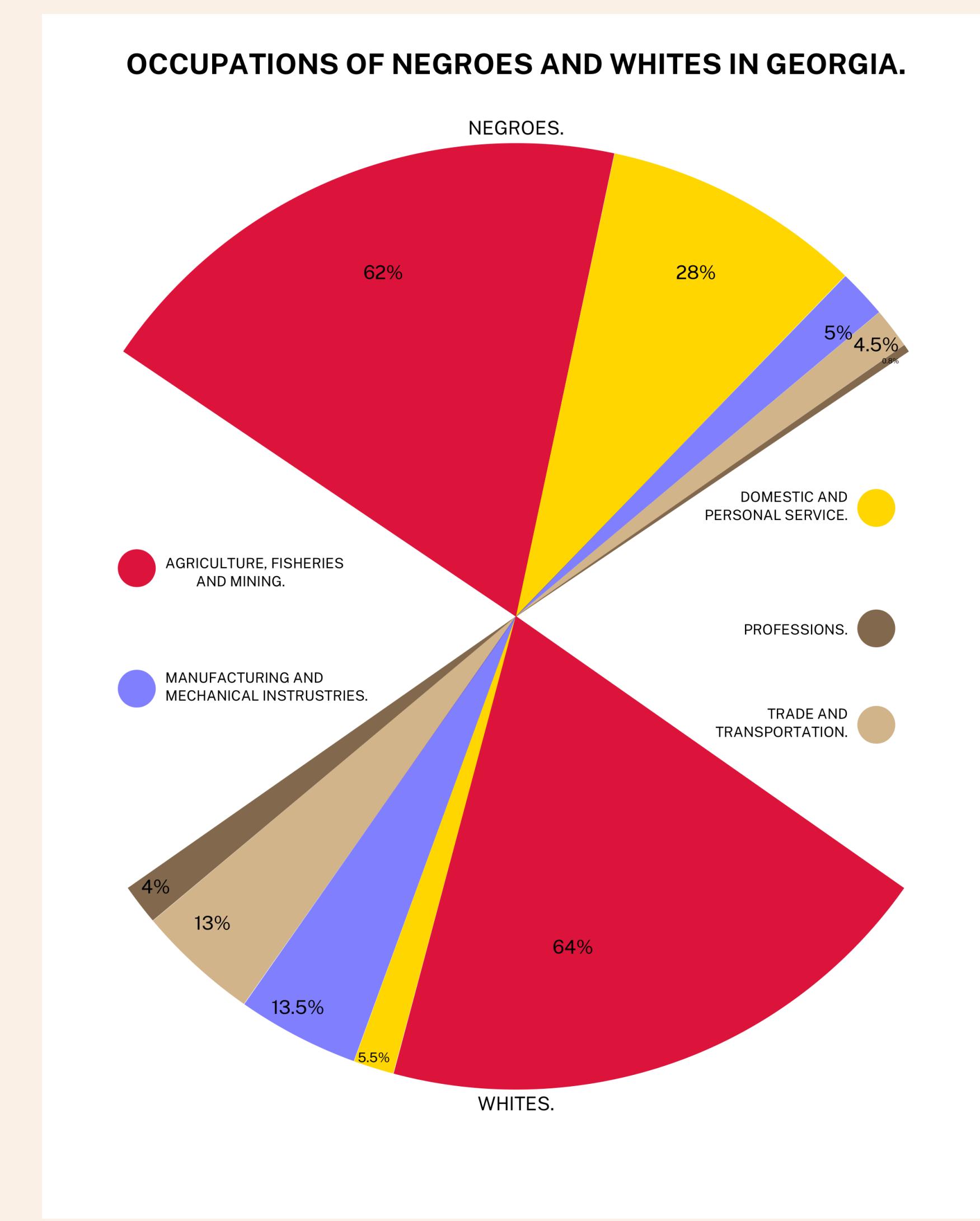


# Pen, Ink, Watercolor, Paper, Expos

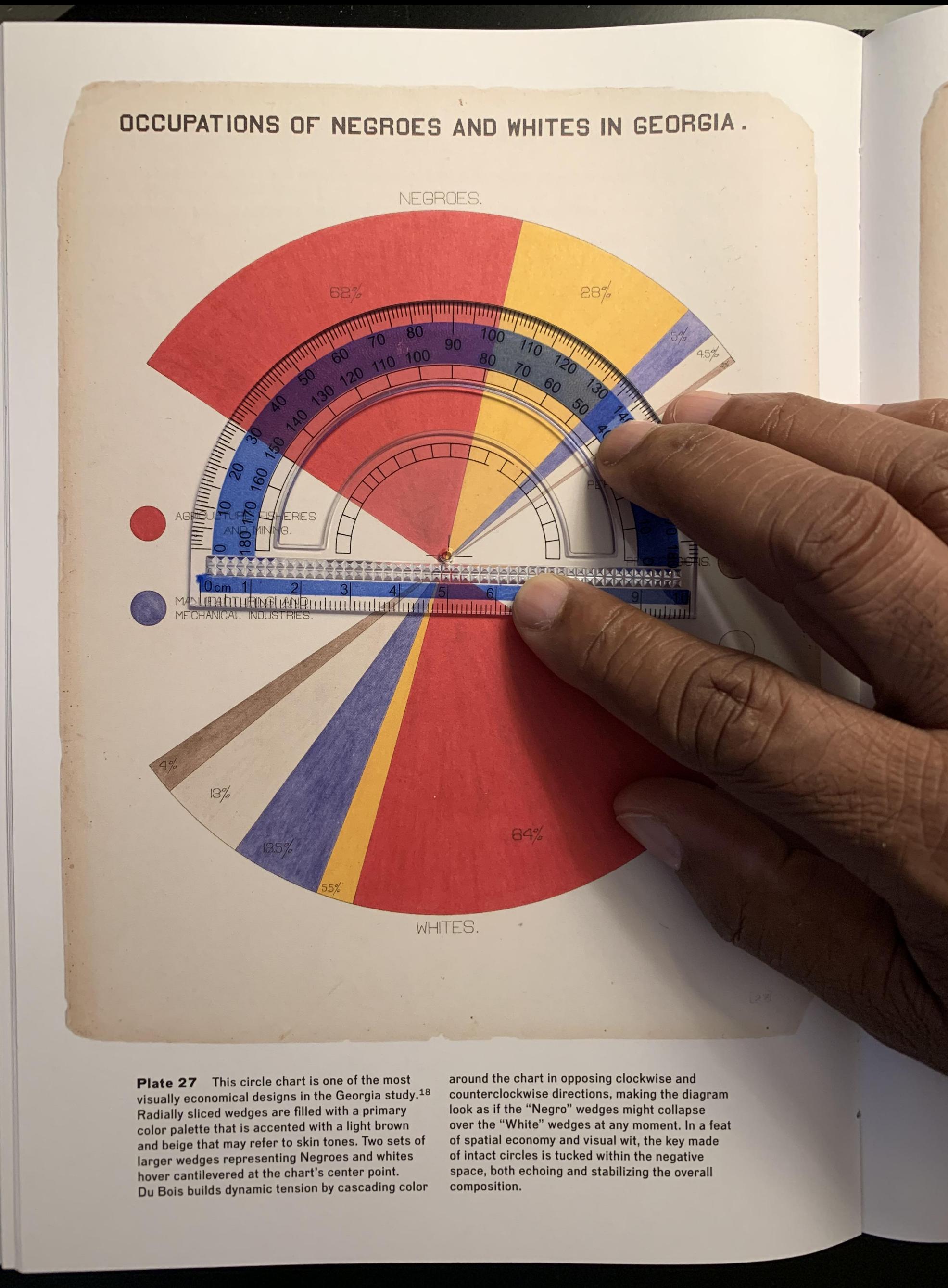
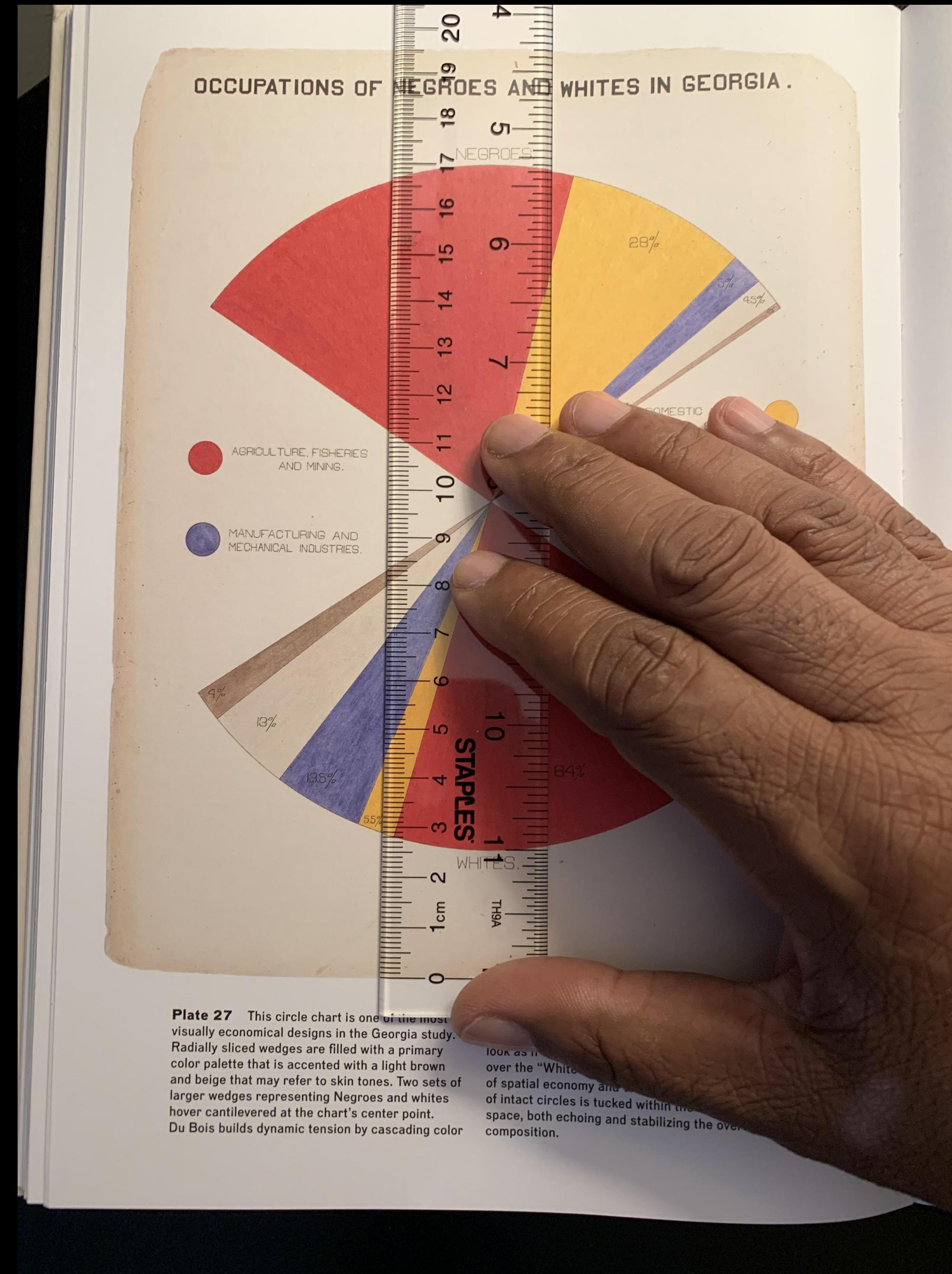


1900

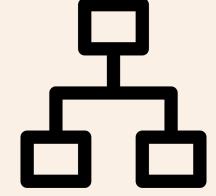
# Scripting, Digital Fonts, PDF, Internet



2019



# decksh

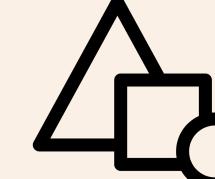
 **Structure**

 **Text**

 **Lists**

 **Arrows**

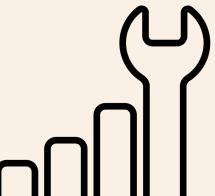
 **Images**

 **Graphics**

 **Charts**

 **Loops**

 **Data**

 **Utility**

occupation.dsh - Visual Studio Code

File Edit Selection View Go Run Terminal Help

deck

slide

```

asize=50
mx=50
my=50
subsize=2

ctext "OCCUPATIONS OF NEGROES AND WHITES IN GEORGIA." 50 95 3 "serif"
ctext "NEGROES." 50 90 subsize
ctext "WHITES." 50 9 subsize

// Negroes
arc mx my asize asize 78 146 asize "crimson"
arc mx my asize asize 46 78 asize "gold"
arc mx my asize asize 40 46 asize "blue" 50
arc mx my asize asize 35 40 asize "tan"
arc mx my asize asize 34 35 asize "rgb(101,67,33)" 80

// Whites
arc mx my asize asize 215 220 asize "rgb(101,67,33)" 80
arc mx my asize asize 220 235 asize "tan"
arc mx my asize asize 235 250 asize "blue" 50
arc mx my asize asize 250 255 asize "gold"
arc mx my asize asize 255 325 asize "crimson"

// Legends
cx1=10
cx2=88
cr=4

legsize=1.5
circle cx1 54 cr "crimson"
circle cx1 44 cr "blue" 50
cx1+=3
text "AGRICULTURE, FISHERIES" cx1 54 legsize
text "AND MINING." cx1 52.5 legsize

text "MANUFACTURING AND" cx1 44.5 legsize
text "MECHANICAL INDUSTRIES." cx1 43 legsize

circle cx2 59 cr "gold"
circle cx2 49 cr "rgb(101,67,33)" 80
circle cx2 41 cr "tan"

cx2=3
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etext "PERSONAL SERVICE." cx2 58 legsize

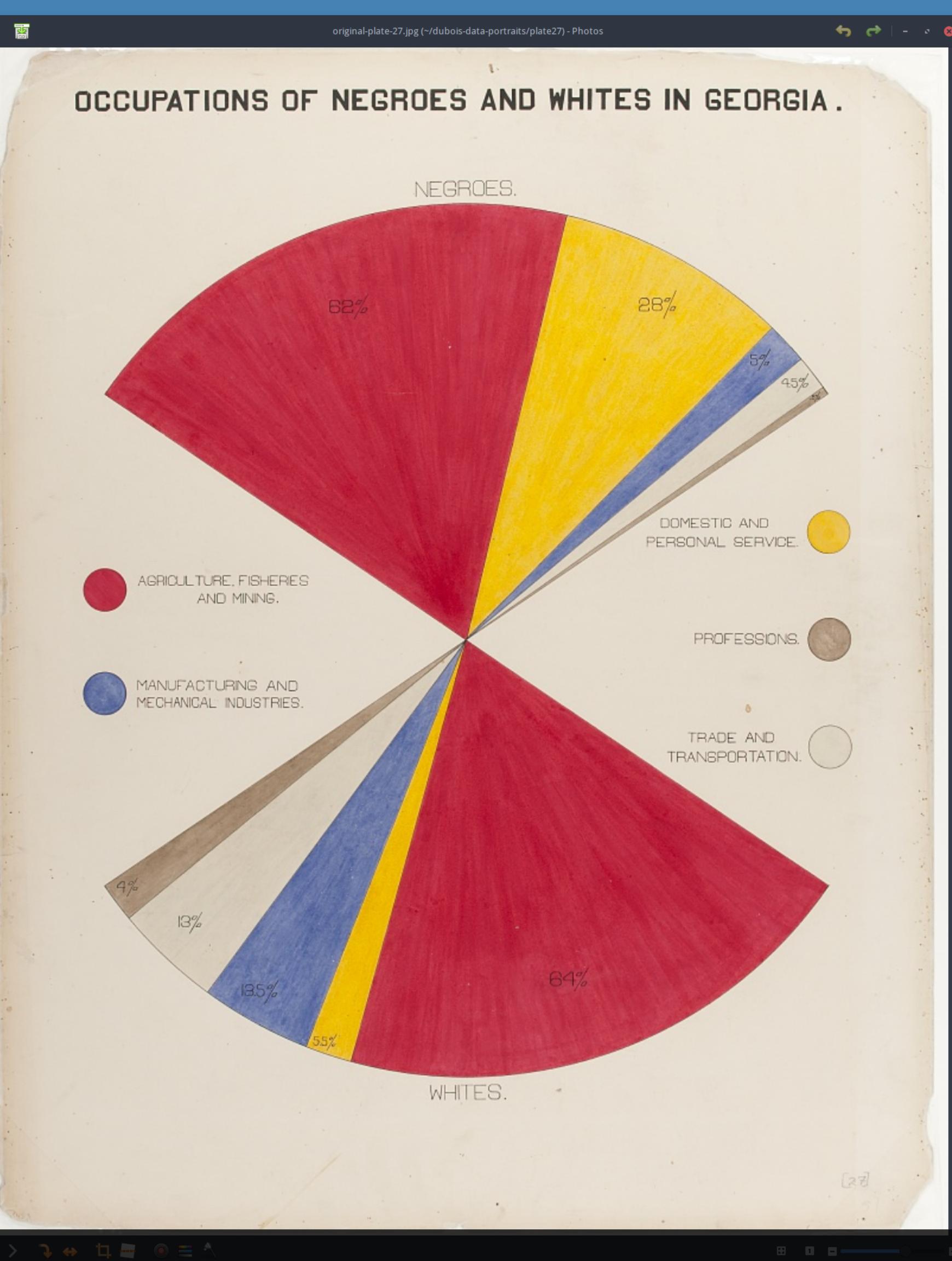
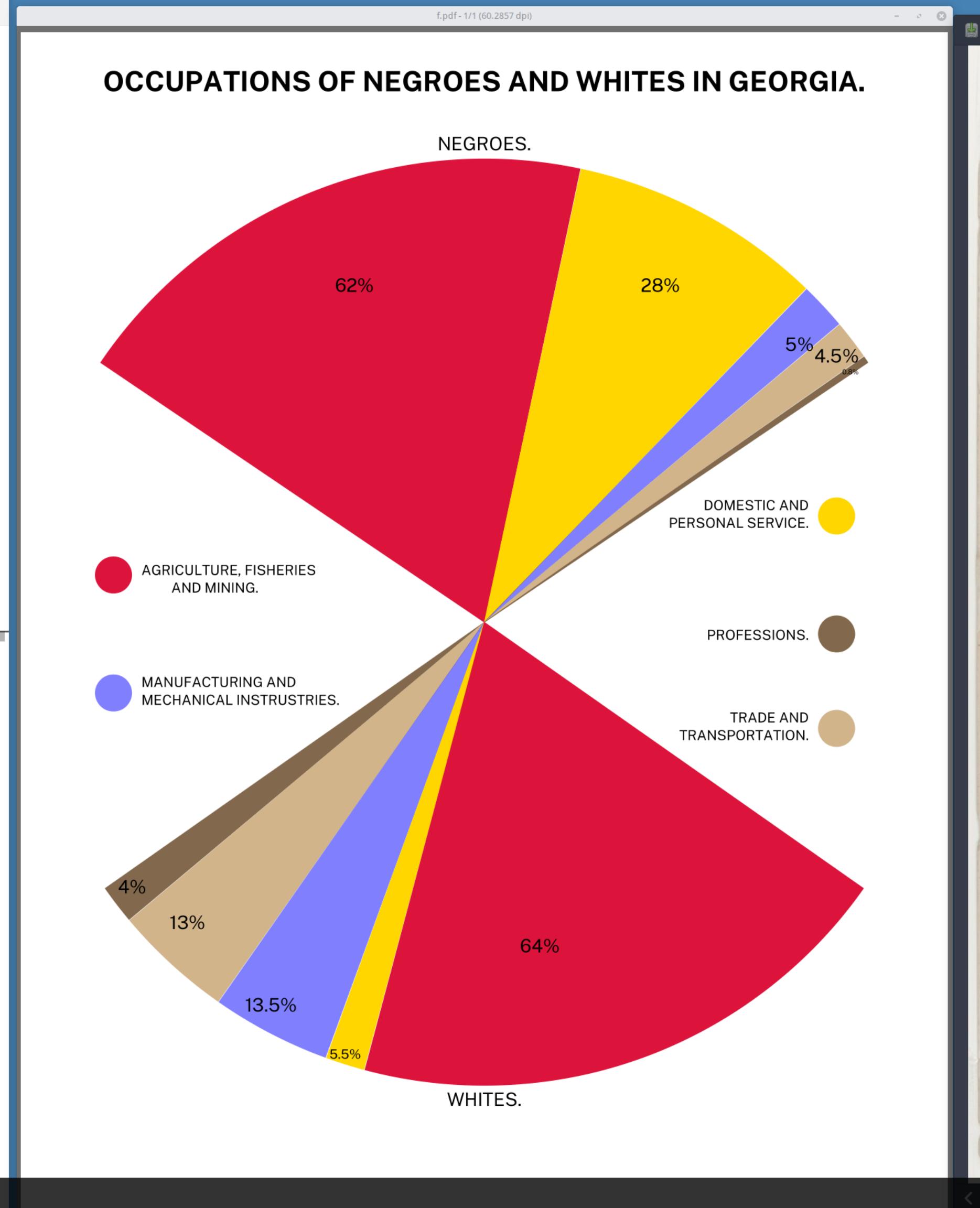
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etext " TRADE AND" cx2 41.5 legsize
etext "TRANSPORTATION." cx2 40 legsize

ctext "62%" 36 78 subsize
ctext "28%" 69 78 subsize
ctext "5%" 84 73 subsize
ctext "4.5%" 88 72 subsize
ctext "0.8%" 89.5 71 0.75
ctext "64%" 56 22 subsize
ctext "5.5%" 35 13 1.4
ctext "13.5%" 27 17 subsize
ctext "13%" 18 24 subsize
ctext "4%" 12 27 subsize

eslide
edeck

```



Code

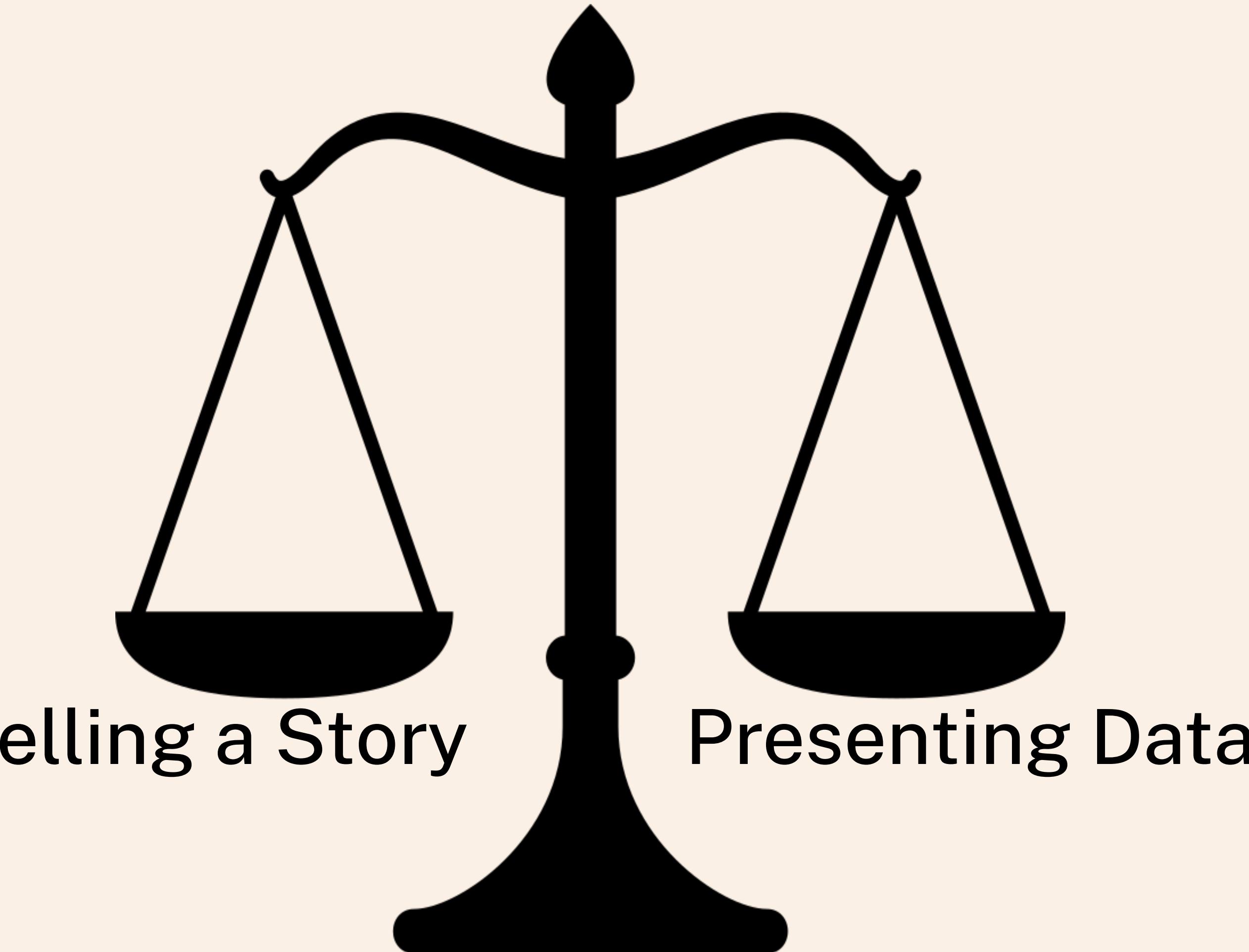
Output

Reference

# Storytelling



# Storytelling is about balance

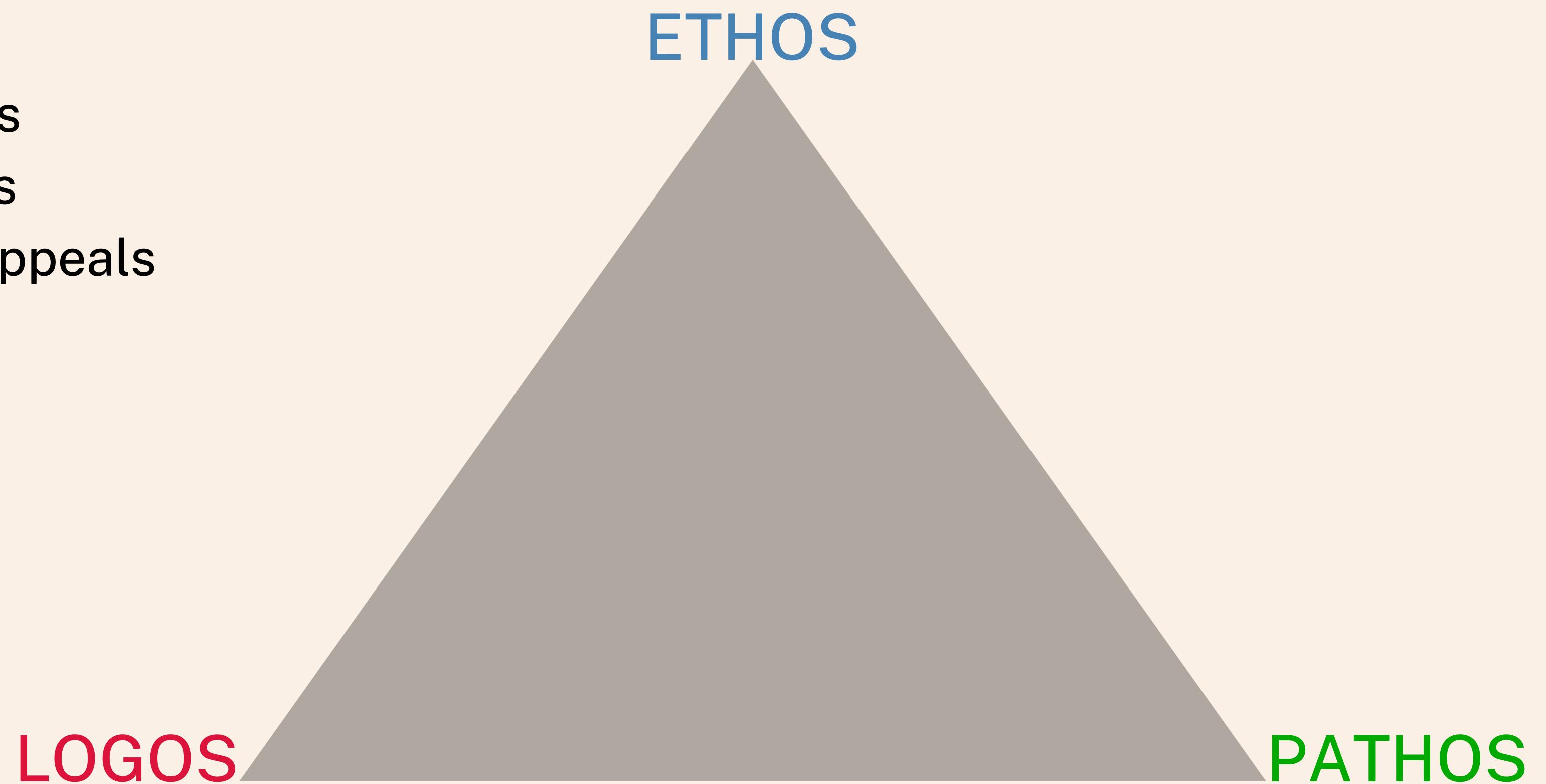


W.E.B. Du Bois sought to combine science, data, and methodology into sociology. His research into Black American culture told a story of resilience

# Aristotle's Rhetorical Triangle

Aristotle thought that a speaker's ability to persuade an audience is based on how well the speaker appeals to them through

- ETHOS: Ethics (Credibility)
- PATHOS: Emotion (Feeling)
- LOGOS: Logic (Data)



Du Bois developed a sociological framework to show Black Americans are capable of functioning as social equals, social Darwinism has no data to back its theory.

# Tell Stories Like Pixar

Once upon a time there was \_\_\_\_\_

Every day \_\_\_\_\_

One day \_\_\_\_\_

Because of that \_\_\_\_\_

Because of that \_\_\_\_\_

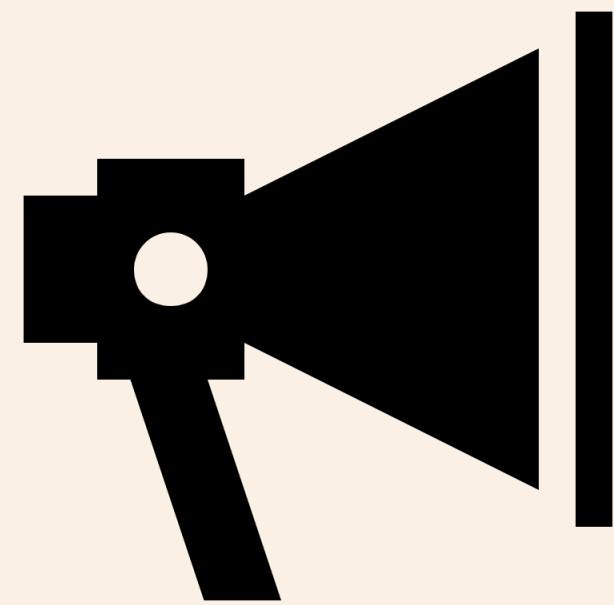
Until finally \_\_\_\_\_



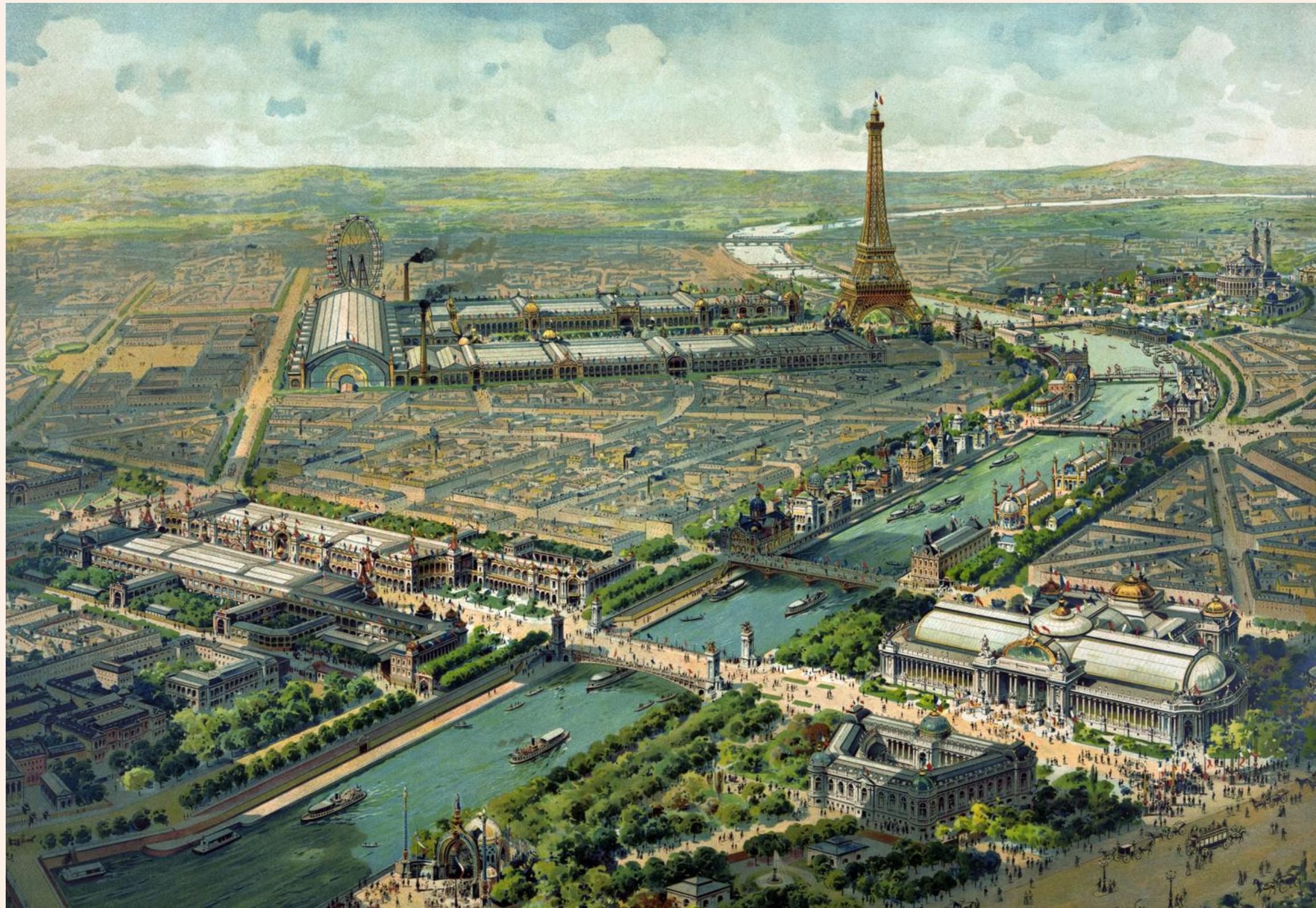
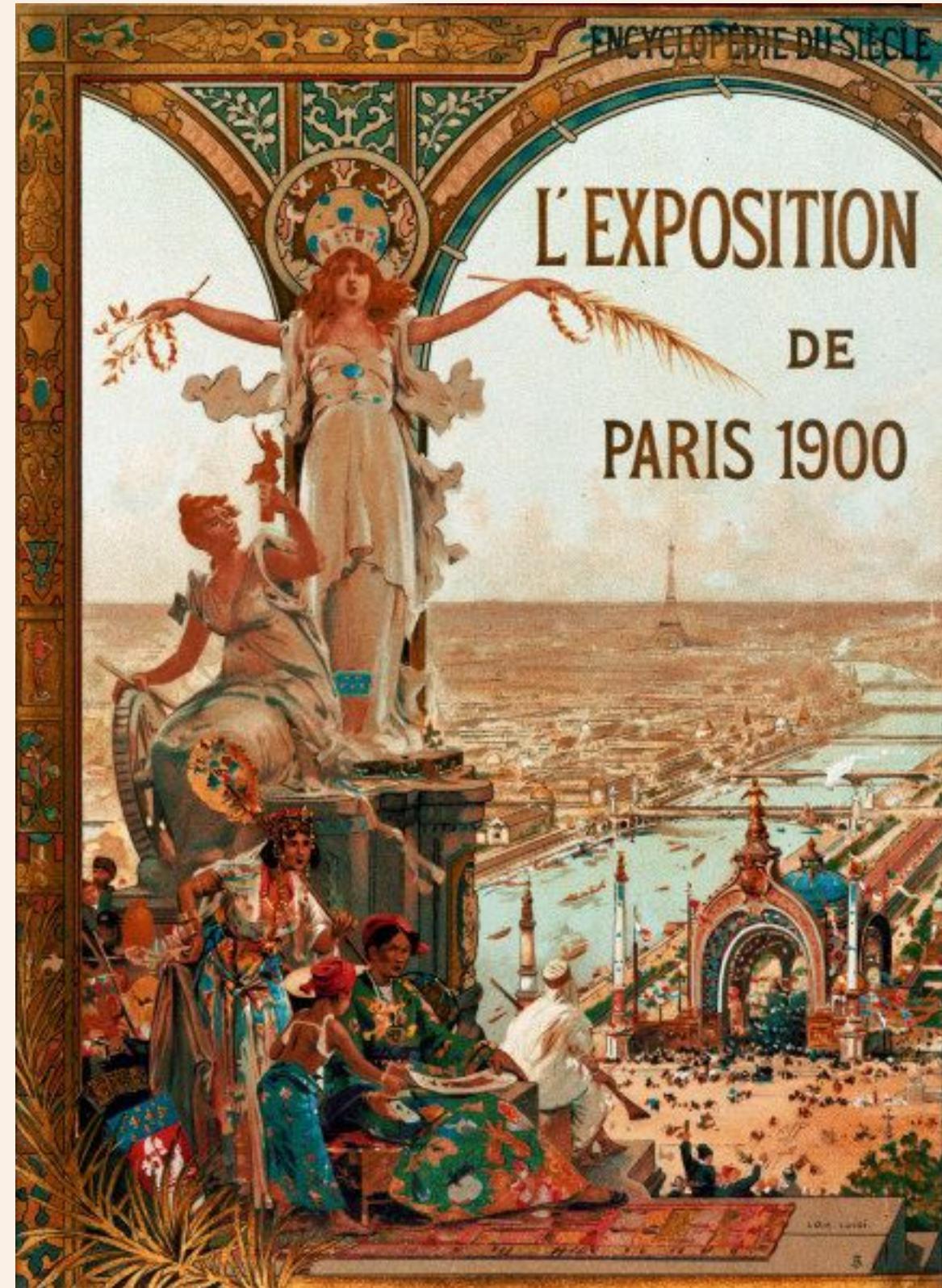
# Themes from Great Stories

1. Coming of Age	You have arrived	Experience, Strength
2. Constant Evolution	You are always adapting	Adapability
3. Overcoming Obstacles	You came out on top	Relisience
4. Rebirth	You have reinvented yourself	New Hope and Direction
5. The Quest	It's been quite a Journey	Commitment, Dedication
6. True as it Ever Was	Remained true to yourself	Reinforce Trust

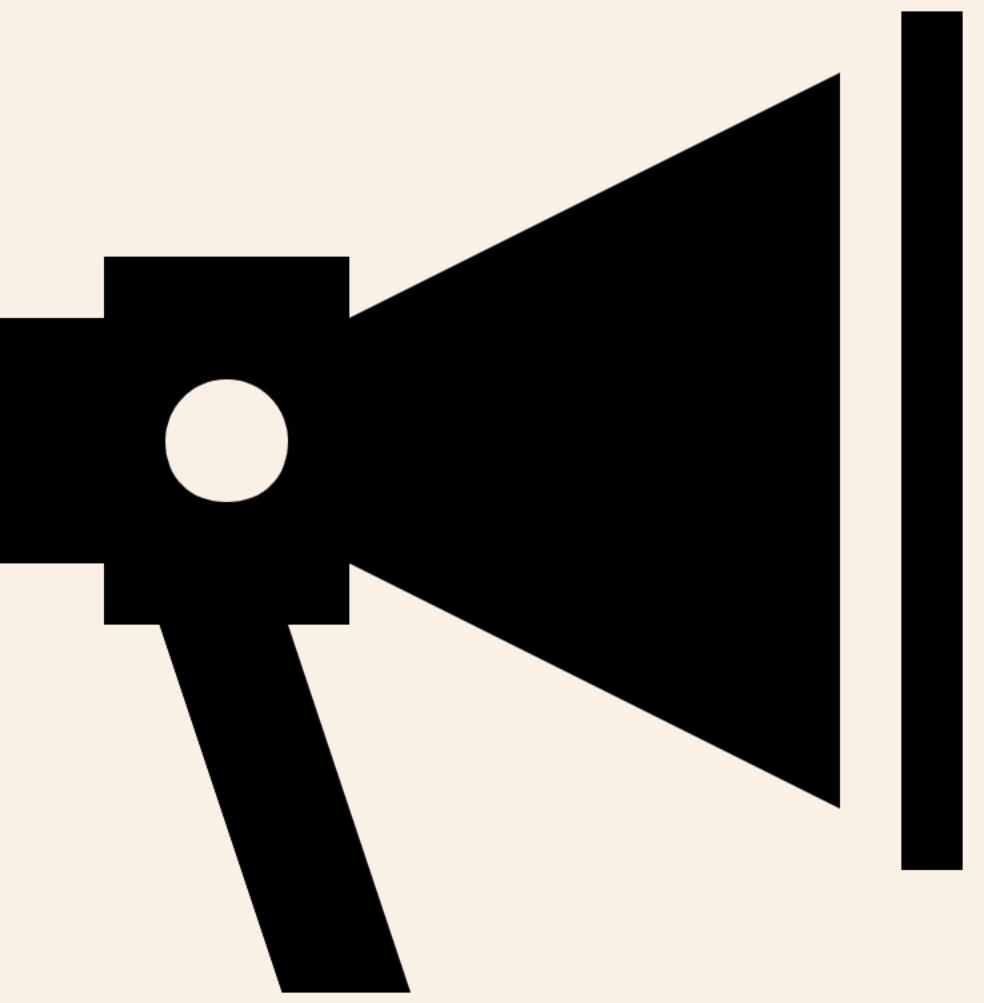
# The Modern Megaphone



# Paris 1900



Your Message



Now

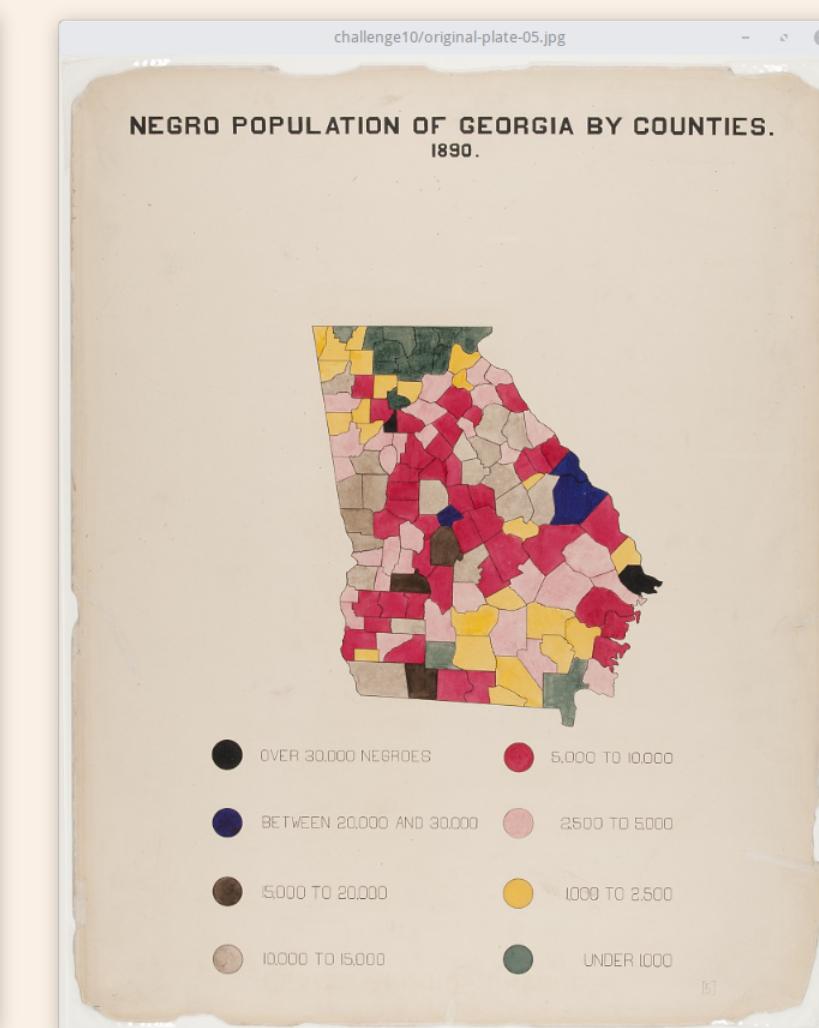
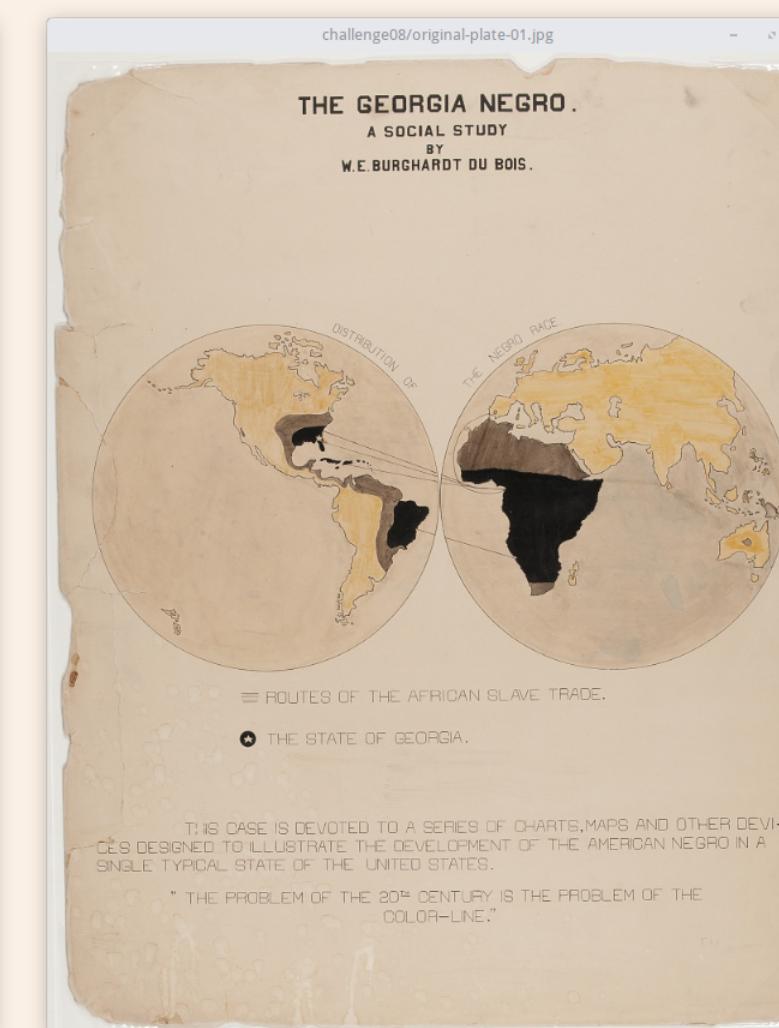
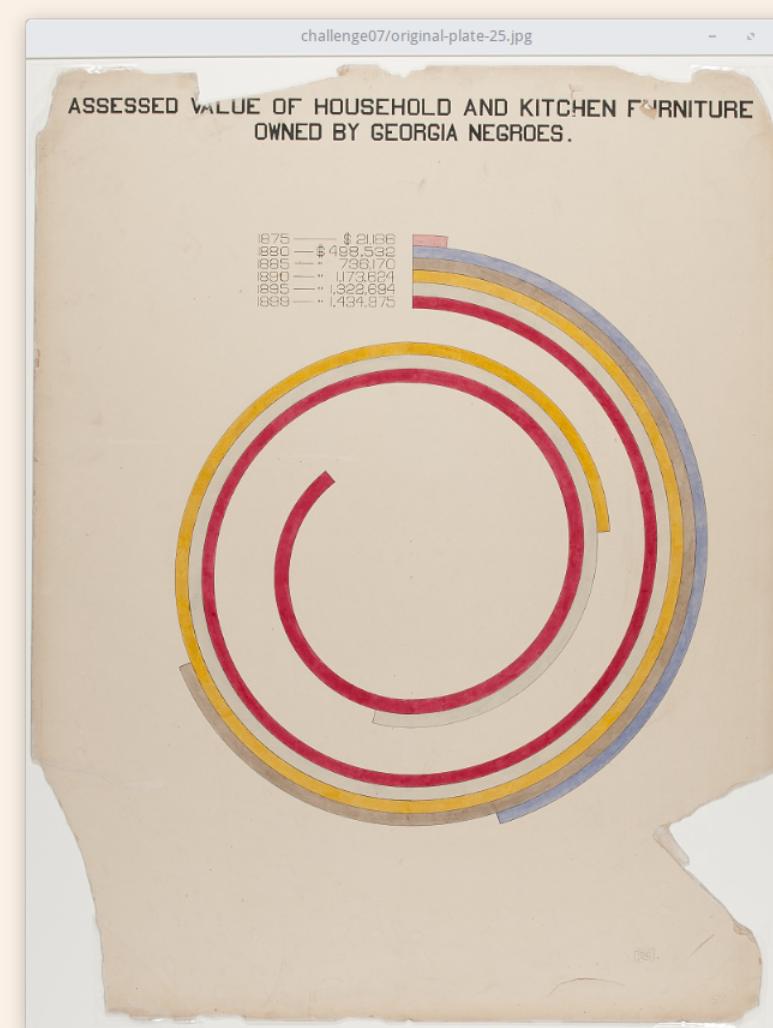
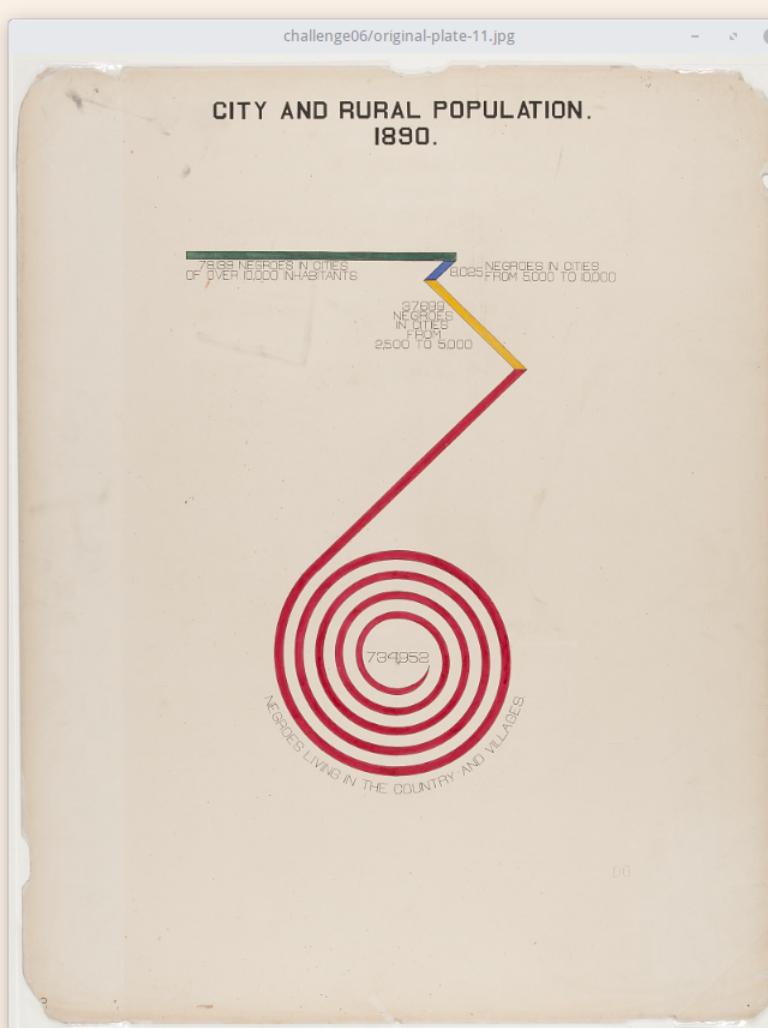
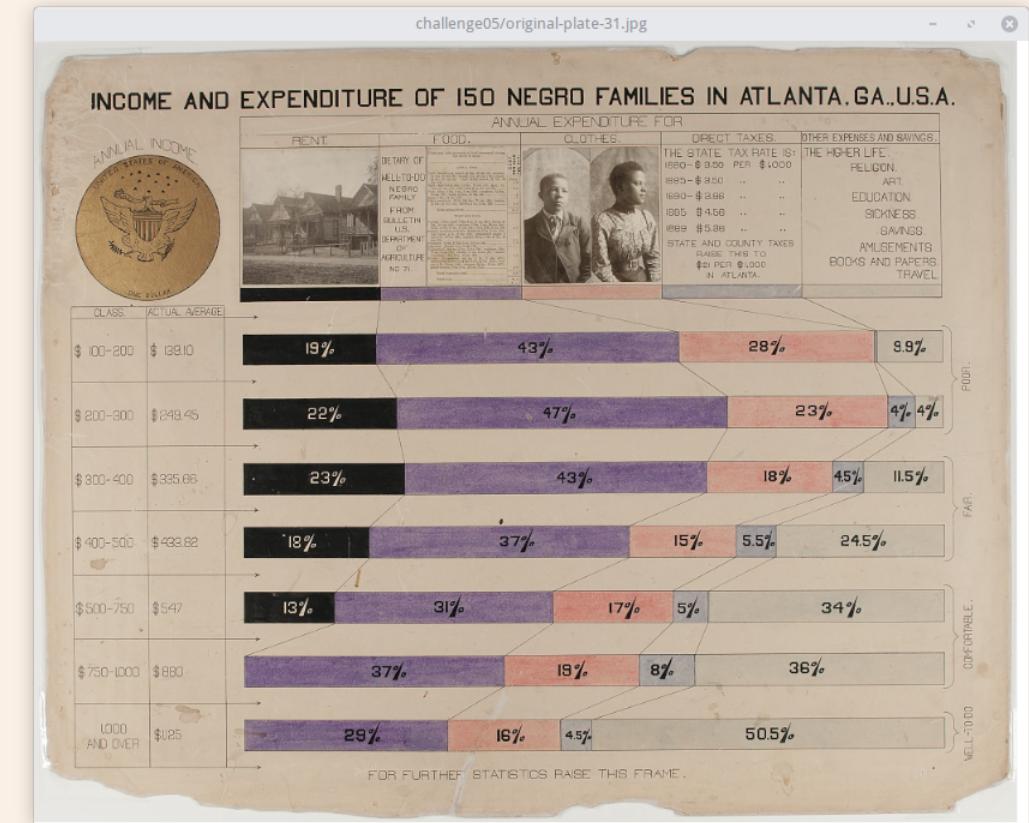
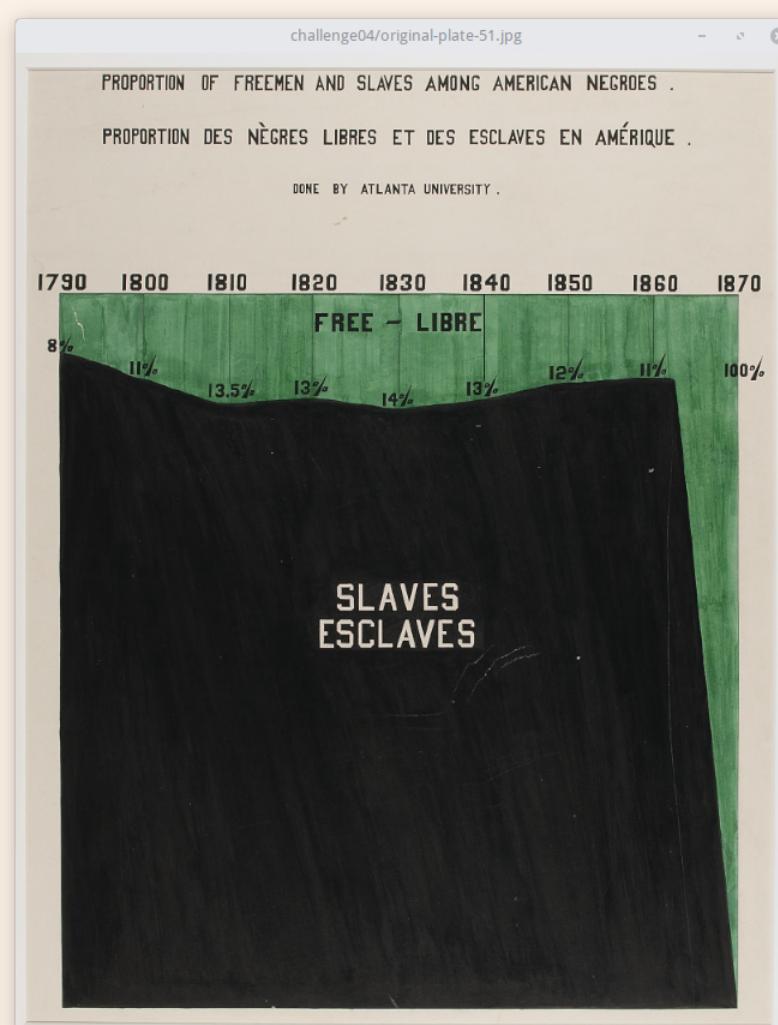
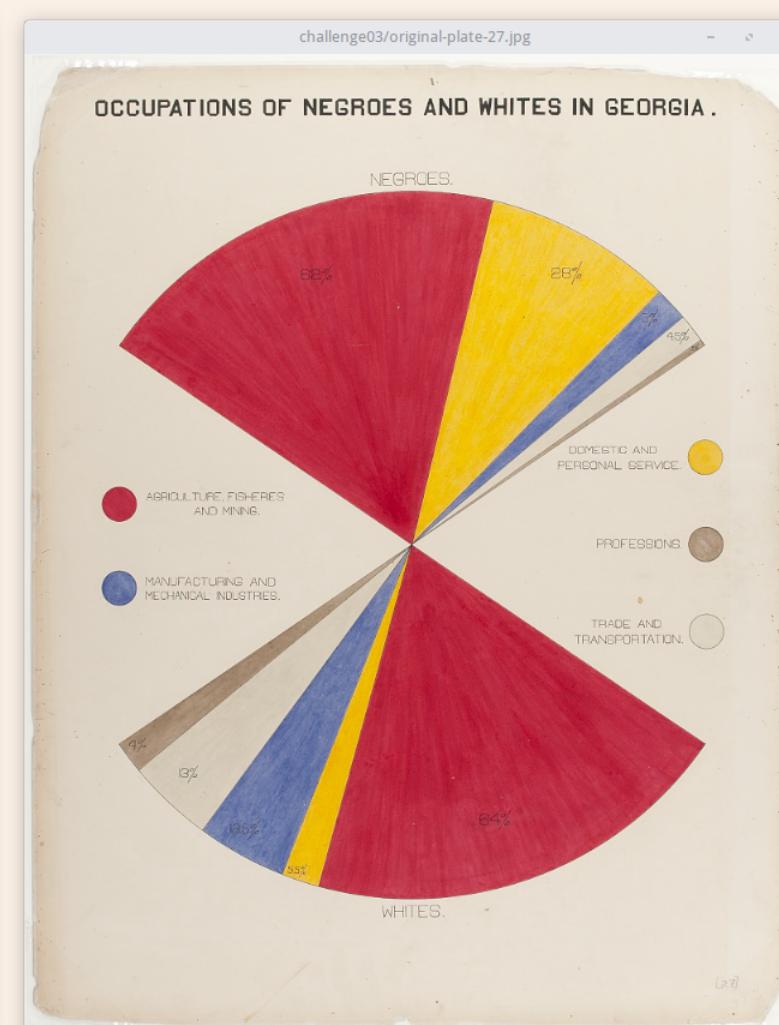
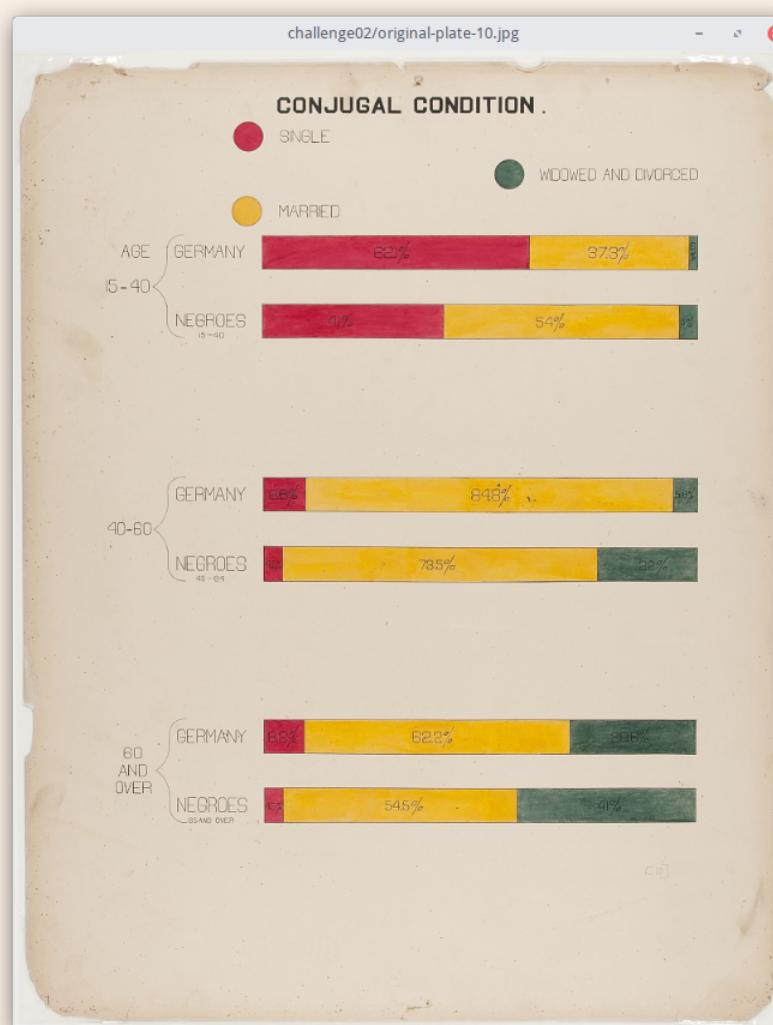
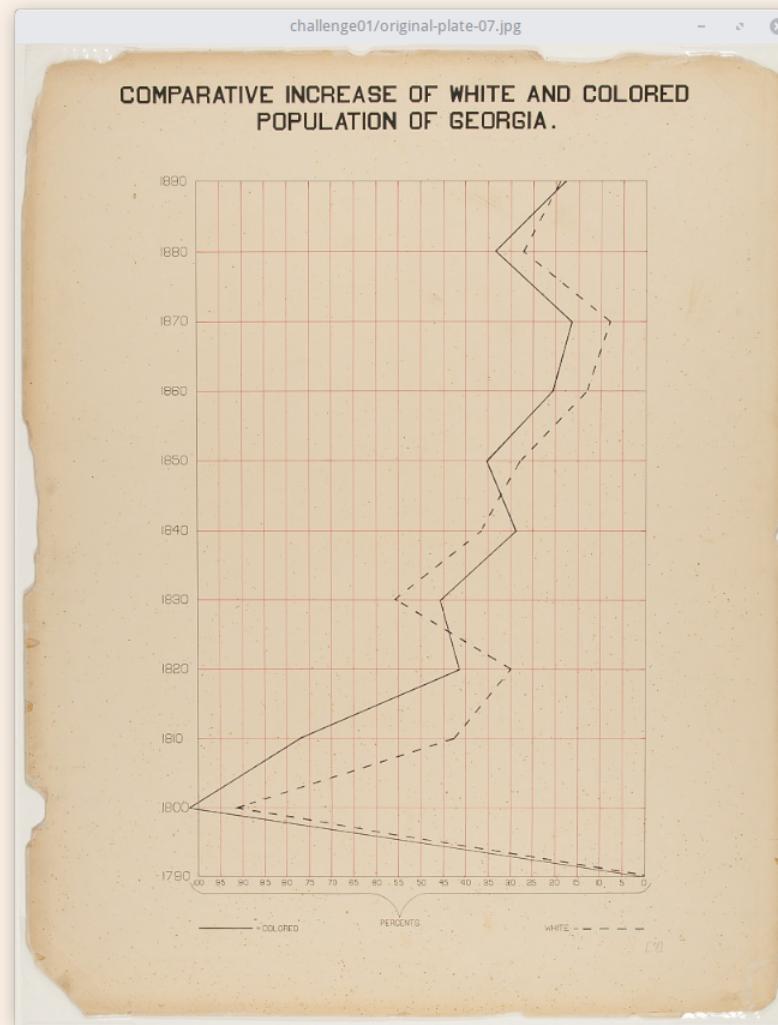


You Tube

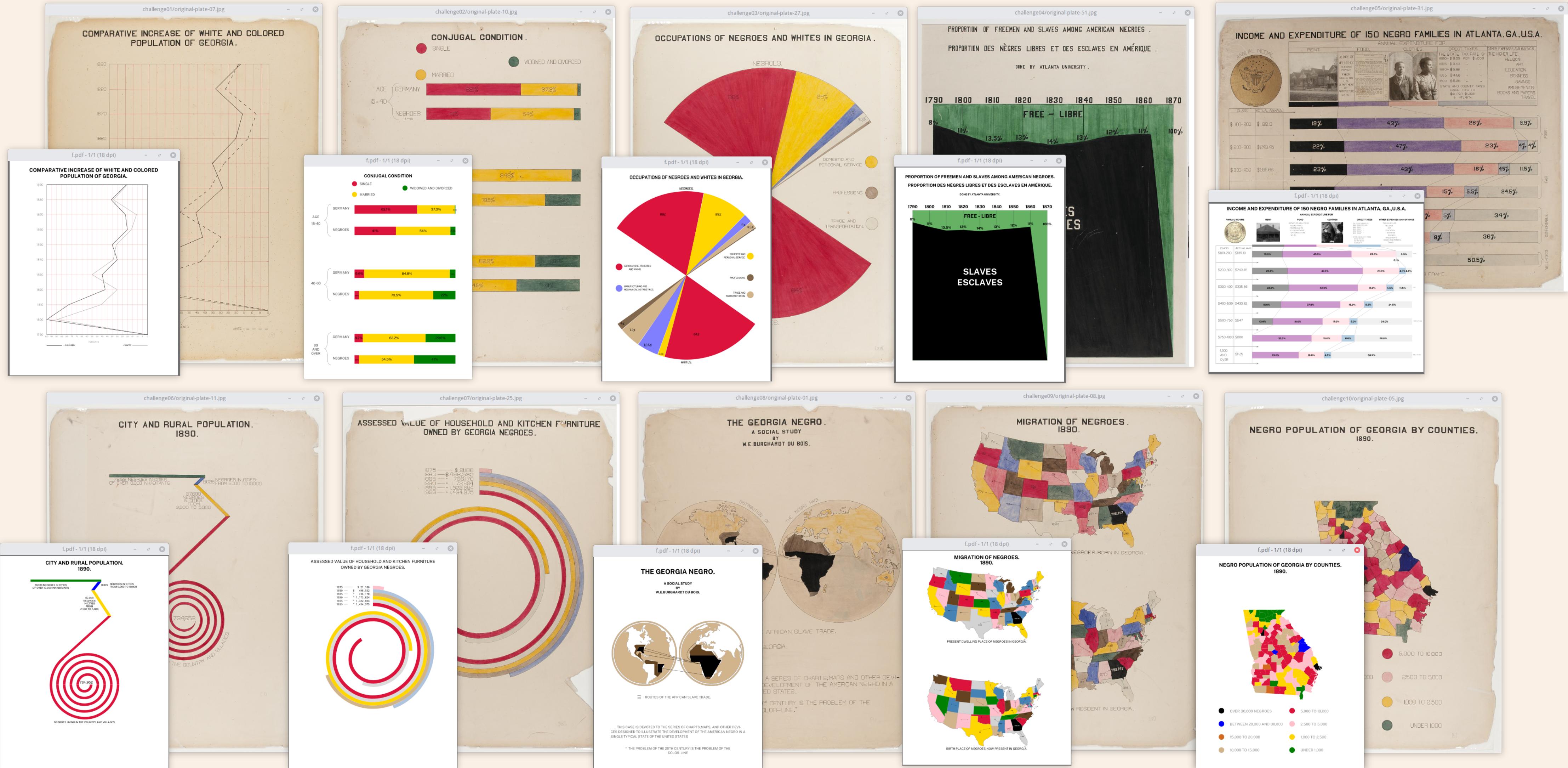


zoom

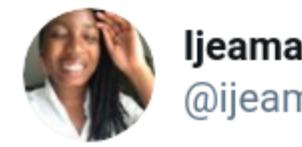
# #DuboisChallenge



# #DuboisChallenge



# #DuboisChallenge



Ijeamaka A

@ijeamaka\_a

#TidyTuesday and #DuBoisChallenge

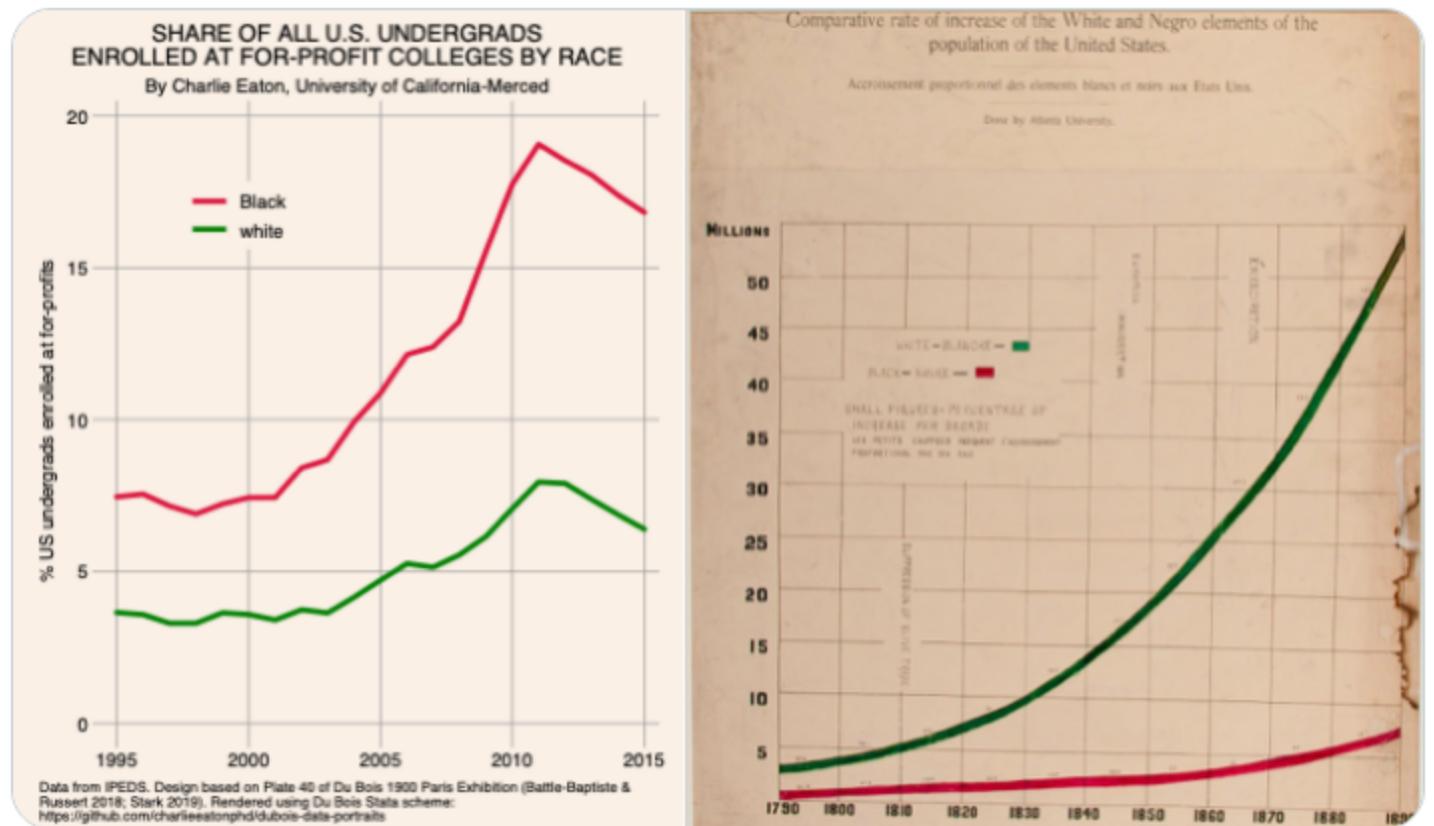
I decided to recreate challenge 07 using only coord\_polar. It is not a perfect recreation, but I am happy with it (mostly because I didn't have to use my very rusty trigonometry knowledge).



Charlie Eaton

@CharlieEatonPhD

I'm thrilled that any @Stata user can now add the Du Bois graphing scheme to their machine using the \*ssc install dubois\* command. After installing, check \*help dubois\* for tips to use the scheme for the #DuBoisChallenge or modern replications like this one!

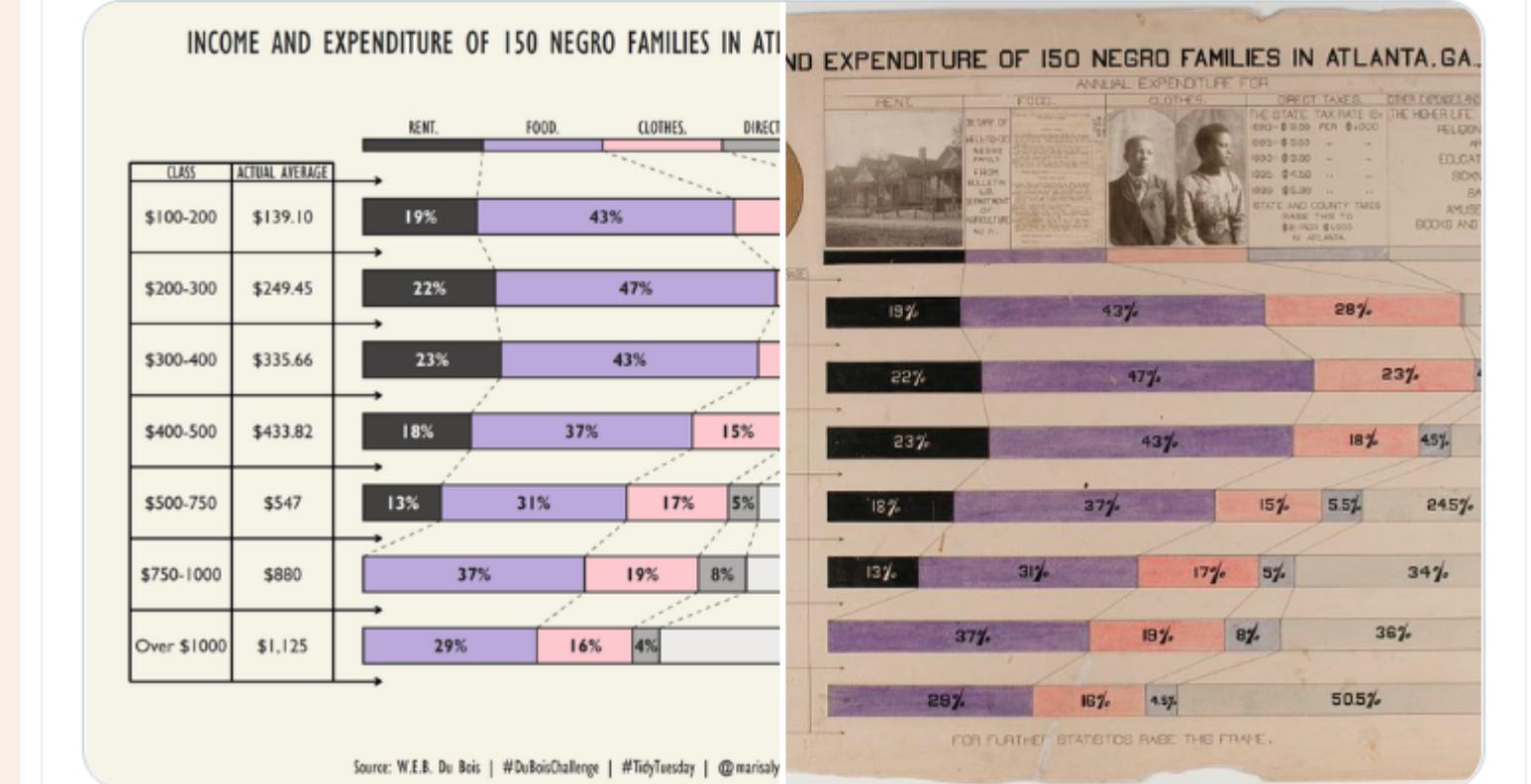


Marisa Henry

@marisalyn

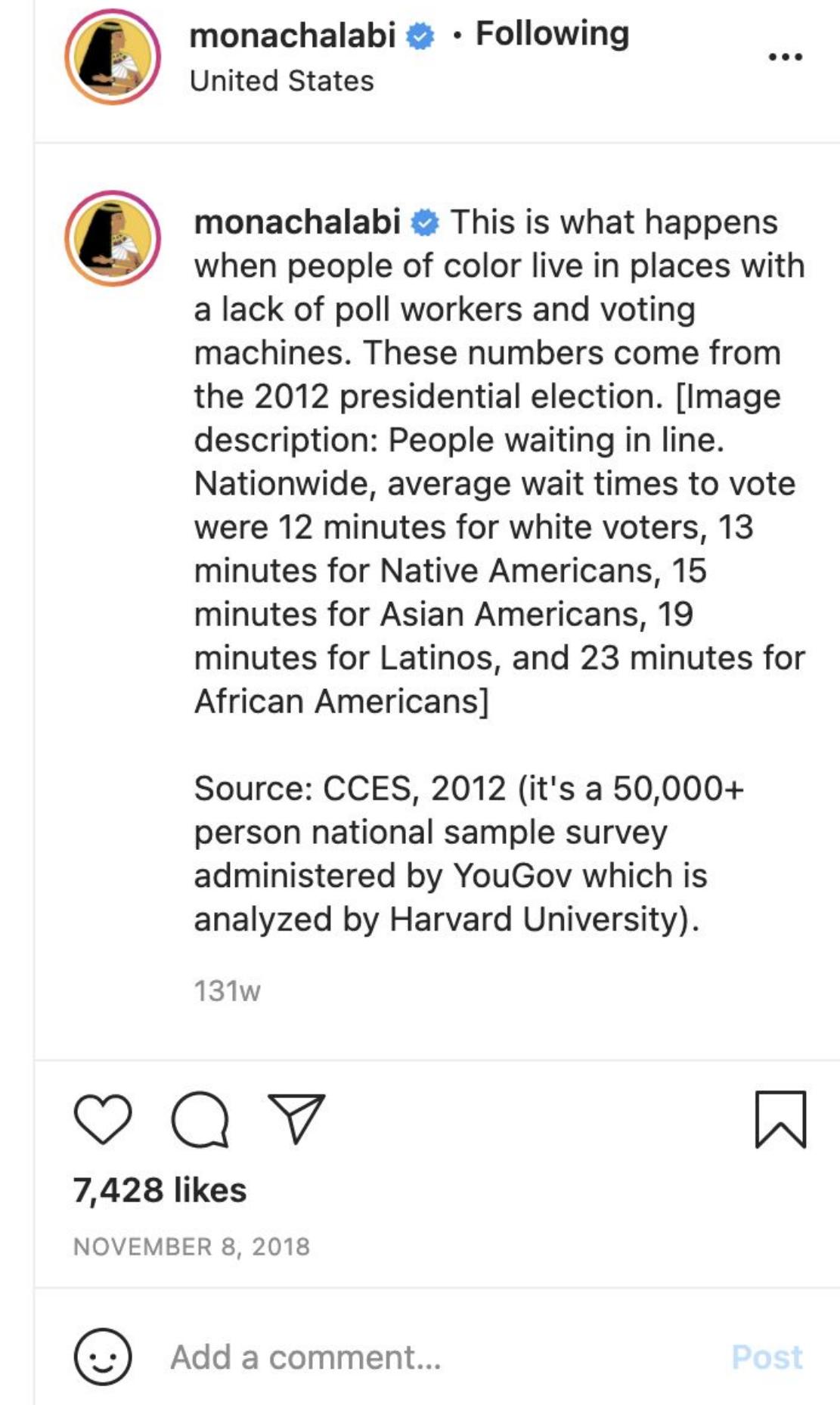
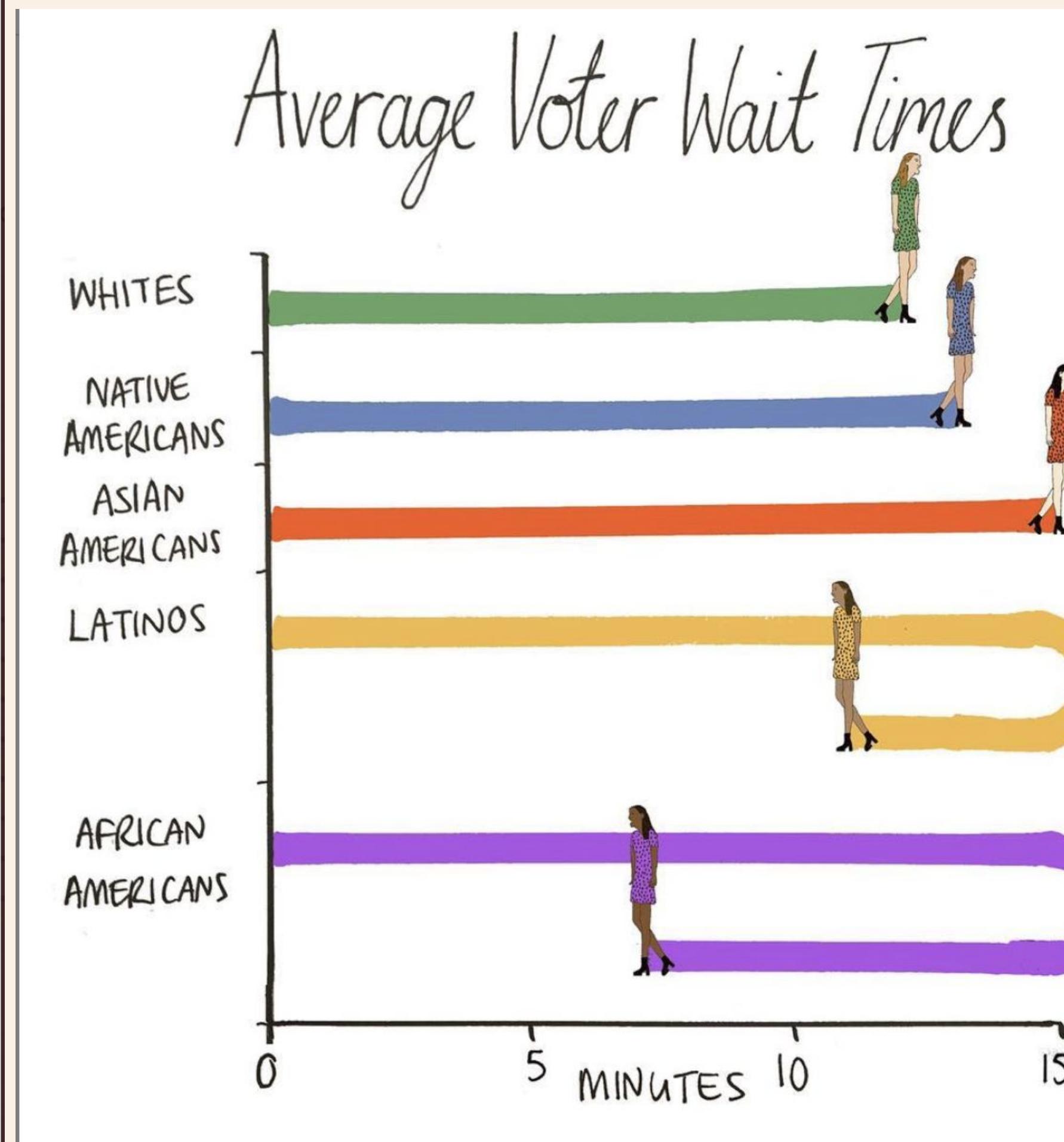
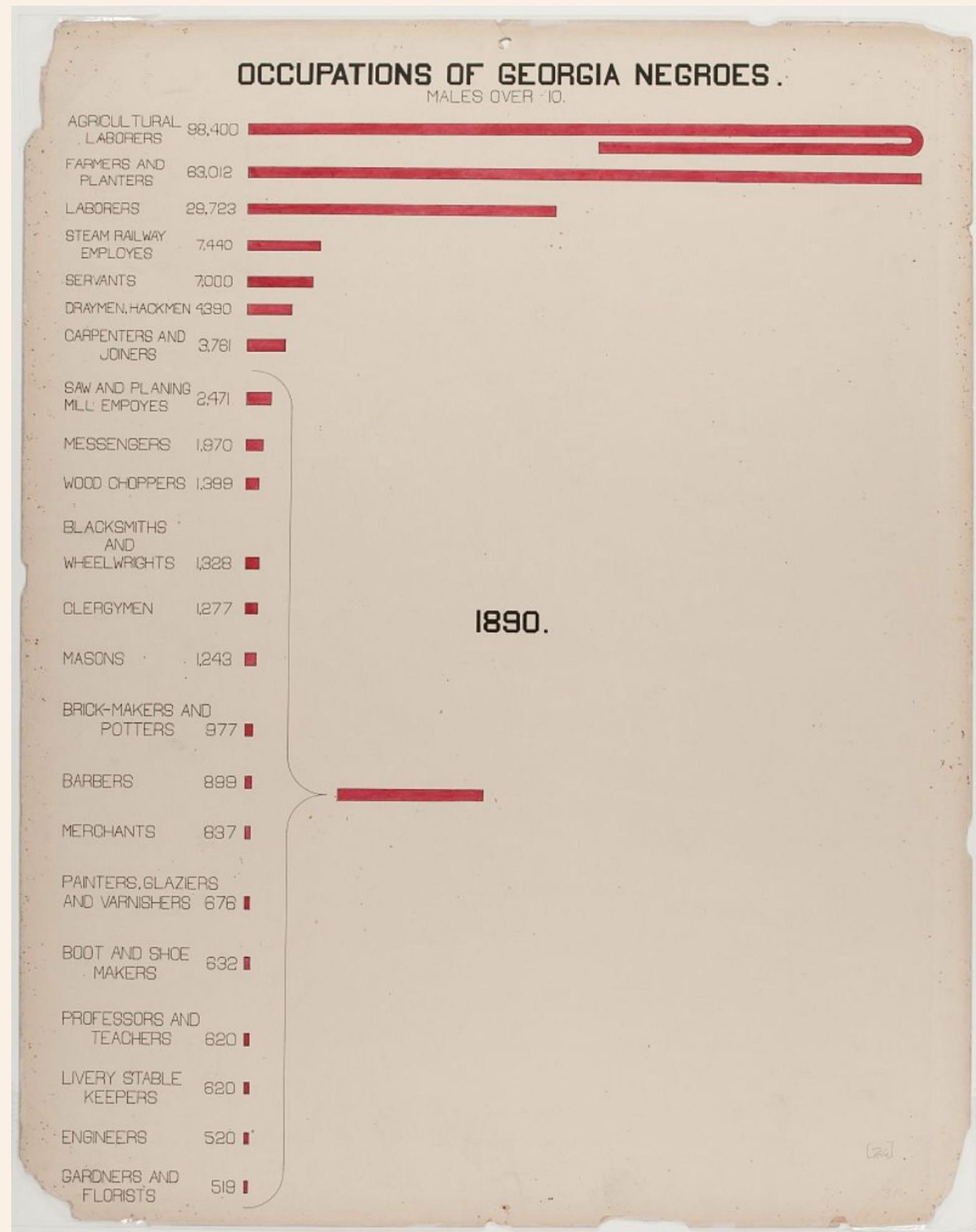
had lots of fun learning more about W.E.B DuBois and attempting to recreate one of his figures for the #DuBoisChallenge and #TidyTuesday this week!

: [github.com/marisalyn/tidy...](https://github.com/marisalyn/tidy...)



<https://github.com/ajstarks/dubois-data-portraits/tree/master/challenge>

# Modern Megaphone: Mona Chalabi

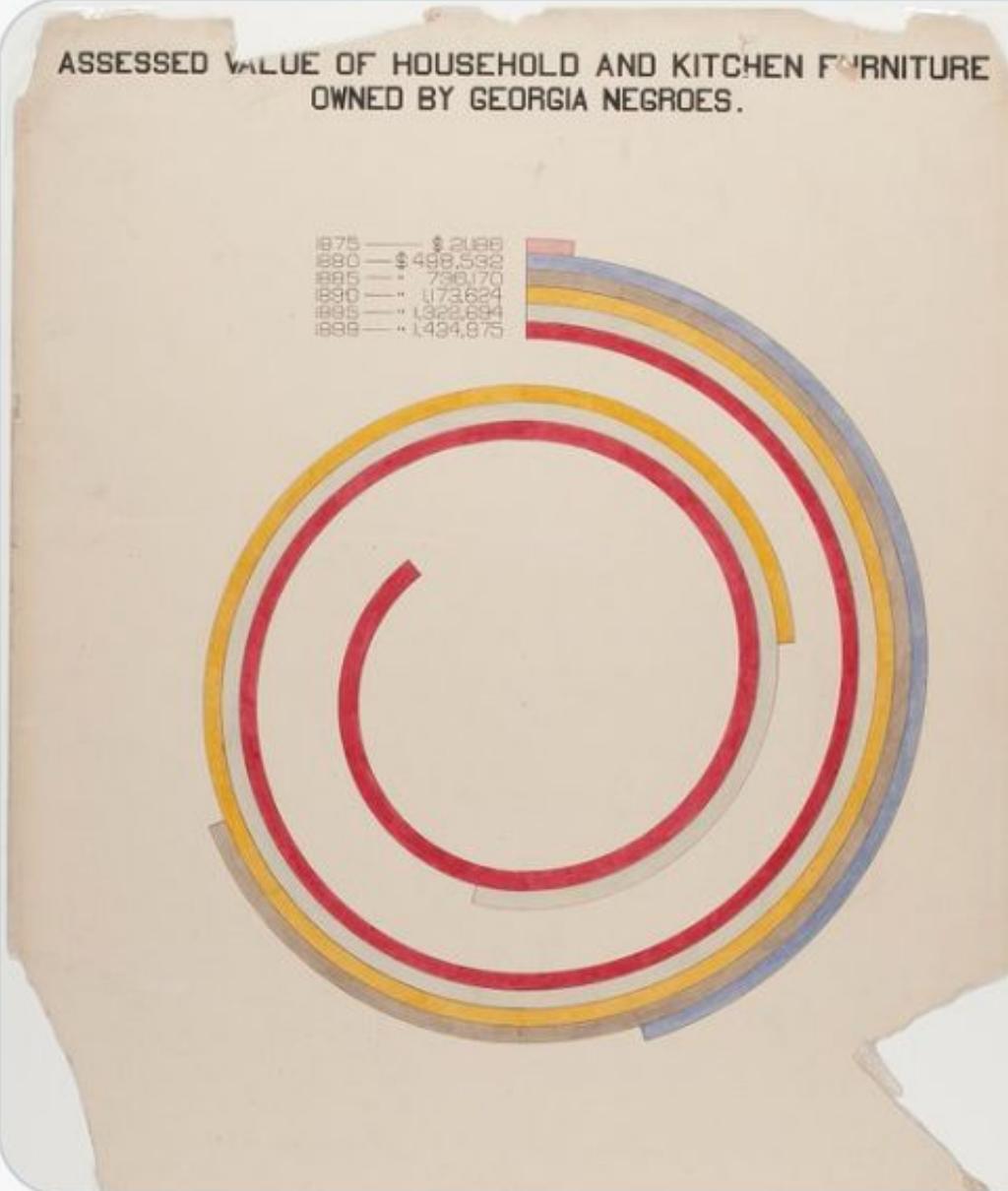


# Modern Megaphone: Ijeamaka A

 **Ijeamaka A** @ijeamaka\_a · Feb 16 ...

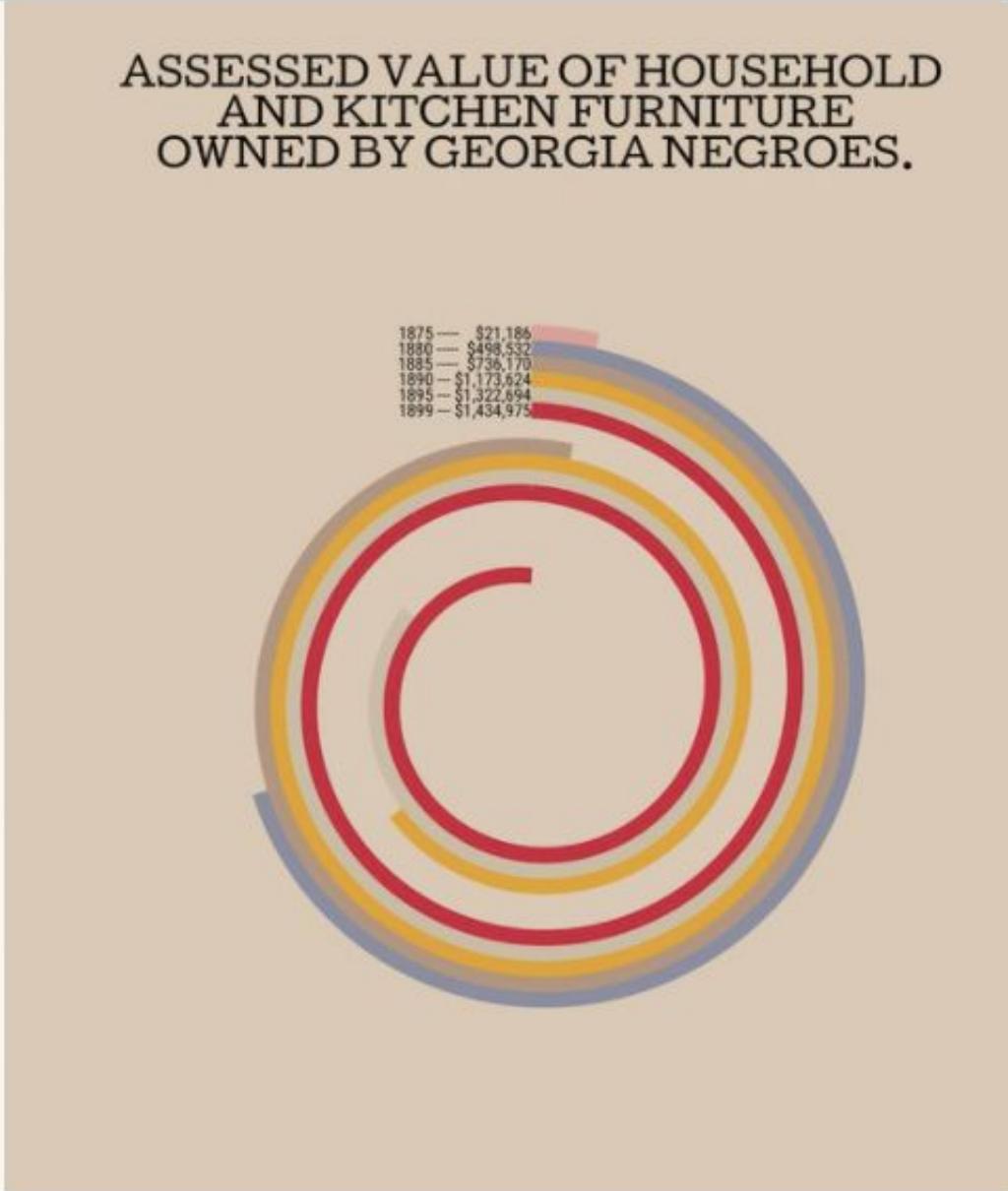
#TidyTuesday and #DuBoisChallenge

I decided to recreate challenge 07 using only coord\_polar. It is not a perfect recreation, but I am happy with it (mostly because I didn't have to use my very rusty trigonometry knowledge).



ASSESSED VALUE OF HOUSEHOLD AND KITCHEN FURNITURE OWNED BY GEORGIA NEGROES.

Year	Value
1875	\$21,186
1880	\$498,532
1885	\$736,170
1890	\$1,173,624
1895	\$1,620,444
1899	\$1,434,875



ASSESSED VALUE OF HOUSEHOLD AND KITCHEN FURNITURE OWNED BY GEORGIA NEGROES.

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1885	\$736,170
1890	\$1,173,624
1895	\$1,620,444
1899	\$1,434,875

16    81    500    ↑

# Modern Megaphone: Sekou Tyler

### OCCUPATIONS OF NEGROS AND WHITES IN GEORGIA

Occupation Category	NEGROS (%)	WHITES (%)
Agriculture, Fisheries and Mining	62%	64%
Manufacturing and Mechanical Industries	13%	12.5%
Trade and Transportation	4%	5.5%
Professions	5%	5.5%
Domestic and Personal Service	4.5%	4.5%
Other	28%	28%

Designed by Sekou Tyler @SQLSEKOU | #DuBoisChallenge Week 3

sqlsekou • Following ...

sqlsekou #DuBoisChallenge - Week 3 !!

Tool: Tableau

Difficulty Level: Difficult as bleep!

11w

karabookworm Beautiful work! Heading over to your LI page now to learn more about the challenge. I also like the idea of using IG as a space to showcase data viz 🎉.

11w 1 like Reply

— Hide replies

sqlsekou @karabookworm

20 likes

FEBRUARY 26

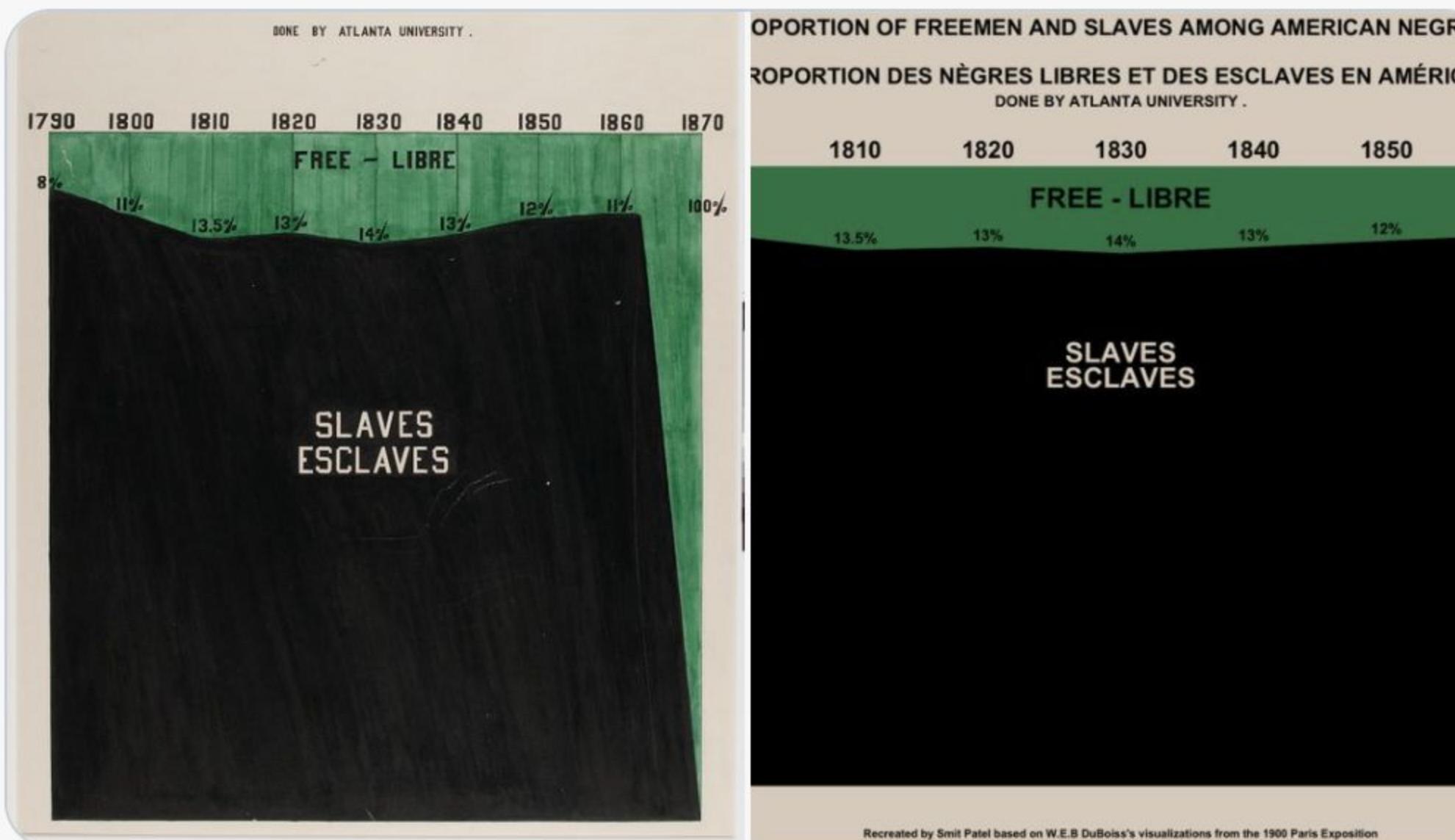
Add a comment... Post

# Smit Patel and Rebecca Stevick



Smit Patel @Smit\_Patel1 · Feb 16

This weeks #TidyTuesday is in collaboration with the #DuBoisChallenge, to celebrate the data viz legacy of W.E.B Dubois by recreating his visualizations from the 1900 Pair Exposition. From his visualizations, I wanted to recreate one which I found the most powerful. #rstats



1

5

23



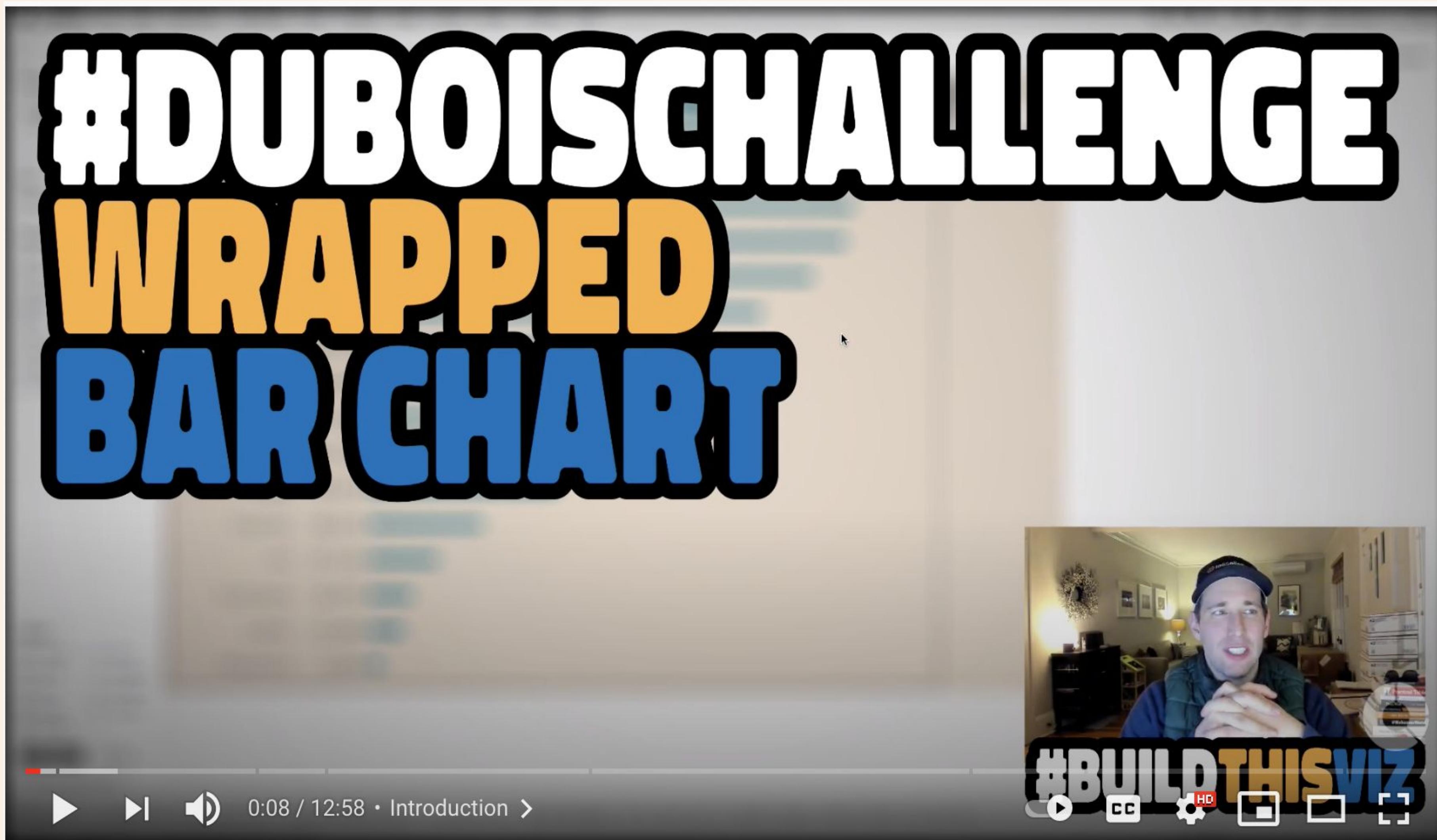
Rebecca Stevick @rjstevick · Feb 16

Here's my version of W.E.B Du Bois's plate 2 from the #DuBoisChallenge for #TidyTuesday. Anyone else totally amazed how he and his students created these visualizations by hand!?

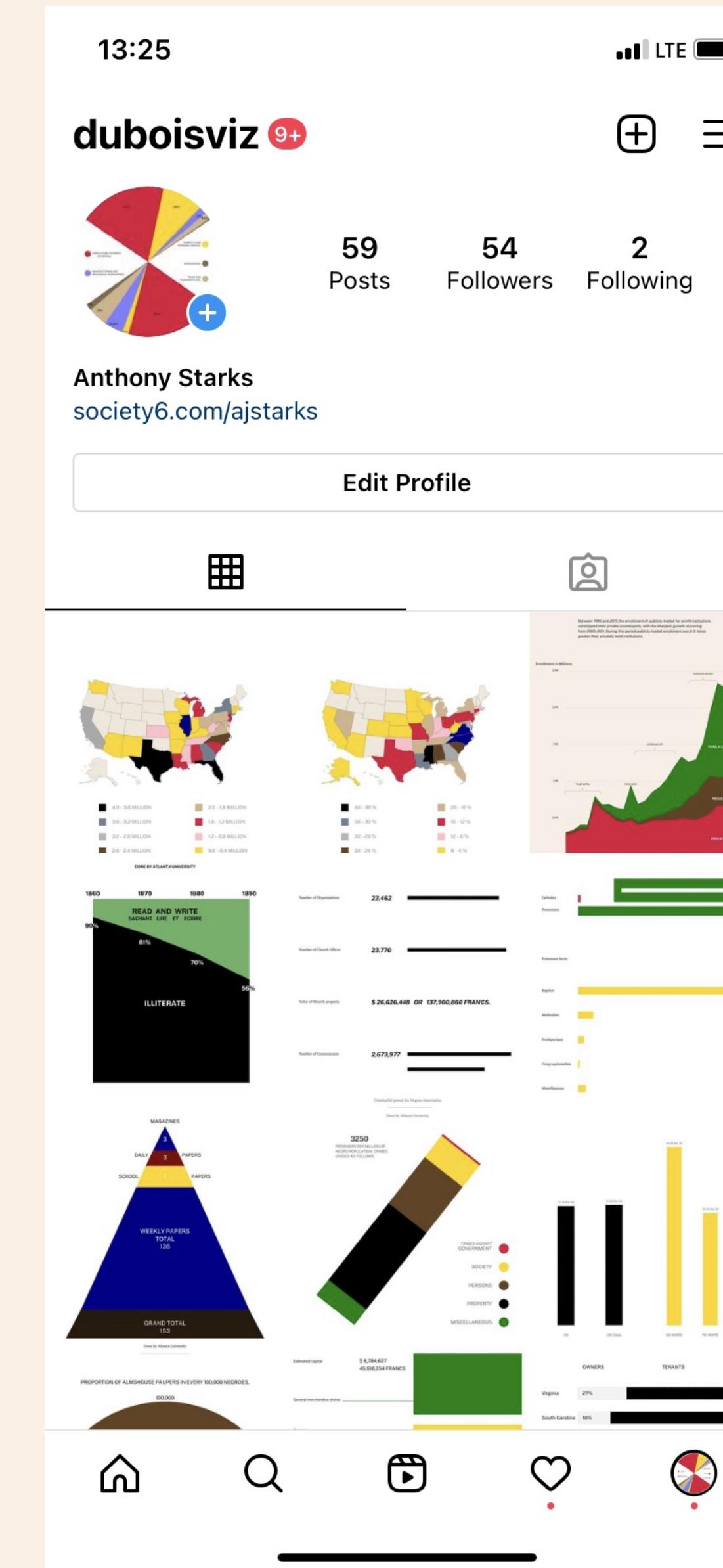
code here: [github.com/rjstevick/Tidy...](https://github.com/rjstevick/Tidy...)

more on Du Bois here: <a href="https://medium.com/nightingale/data-visualizations-by-w-e-b-du-bois-plate-2-1900-paris-exposition-1900-1901-1902-1903-1904-1905-1906-1907-1908-1909-1910-1911-1912-1913-1914-1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-20100-20101-20102-20103-20104-20105-20106-20107-20108-20109-20110-20111-20112-20113-20114-20115-20116-20117-20118-20119-20120-20121-20122-20123-20124-20125-20126-20127-20128-20129-20130-20131-20132-20133-20134-20135-20136-20137-20138-20139-20140-20141-20142-20143-20144-20145-20146-20147-20148-20149-20150-20151-20152-20153-20154-20155-20156-20157-20158-20159-20160-20161-20162-20163-20164-20165-20166-20167-20168-20169-20170-20171-20172-20173-20174-20175-20176-20177-20178-20179-20180-20181-20182-20183-20184-20185-20186-20187-20188-20189-20190-20191-20192-20193-20194-20195-20196-20197-20198-20199-20200-20201-20202-20203-20204-20205-20206-20207-20208-20209-202010-202011-202012-202013-202014-202015-202016-202017-202018-202019-202020-202021-202022-202023-202024-202025-202026-202027-202028-202029-202030-202031-202032-202033-202034-202035-202036-202037-202038-202039-202040-202041-202042-202043-202044-202045-202046-202047-202048-202049-202050-202051-202052-202053-202054-202055-202056-202057-202058-202059-202060-202061-202062-202063-202064-202065-202066-202067-202068-202069-202070-202071-202072-202073-202074-202075-202076-202077-202078-202079-202080-202081-202082-202083-202084-202085-202086-202087-202088-202089-202090-202091-202092-202093-202094-202095-202096-202097-202098-202099-2020100-2020101-2020102-2020103-2020104-2020105-2020106-2020107-2020108-2020109-2020110-2020111-2020112-2020113-2020114-2020115-2020116-2020117-2020118-2020119-2020120-2020121-2020122-2020123-2020124-2020125-2020126-2020127-2020128-2020129-2020130-2020131-2020132-2020133-2020134-2020135-2020136-2020137-2020138-2020139-2020140-2020141-2020142-2020143-2020144-2020145-2020146-2020147-2020148-2020149-2020150-2020151-2020152-2020153-2020154-2020155-2020156-2020157-2020158-2020159-2020160-2020161-2020162-2020163-2020164-2020165-2020166-2020167-2020168-2020169-2020170-2020171-2020172-2020173-2020174-2020175-2020176-2020177-2020178-2020179-2020180-2020181-2020182-2020183-2020184-2020185-2020186-2020187-2020188-2020189-2020190-2020191-2020192-2020193-2020194-2020195-2020196-2020197-2020198-2020199-2020200-2020201-2020202-2020203-2020204-2020205-2020206-2020207-2020208-2020209-20202010-20202011-20202012-20202013-20202014-20202015-20202016-20202017-20202018-20202019-20202020-20202021-20202022-20202023-20202024-20202025-20202026-20202027-20202028-20202029-20202030-20202031-20202032-20202033-20202034-20202035-20202036-20202037-20202038-20202039-20202040-20202041-20202042-20202043-20202044-20202045-20202046-20202047-20202048-20202049-20202050-20202051-20202052-20202053-20202054-20202055-20202056-20202057-20202058-20202059-20202060-20202061-20202062-20202063-20202064-20202065-20202066-20202067-20202068-20202069-20202070-20202071-20202072-20202073-20202074-20202075-20202076-20202077-20202078-20202079-20202080-20202081-20202082-20202083-20202084-20202085-20202086-20202087-20202088-20202089-20202090-20202091-20202092-20202093-20202094-20202095-20202096-20202097-20202098-20202099-202020100-202020101-202020102-202020103-202020104-202020105-202020106-202020107-202020108-202020109-202020110-202020111-202020112-202020113-202020114-202020115-202020116-202020117-202020118-202020119-202020120-202020121-202020122-202020123-202020124-202020125-202020126-202020127-202020128-202020129-202020130-202020131-202020132-202020133-202020134-202020135-202020136-202020137-202020138-202020139-202020140-202020141-202020142-202020143-202020144-202020145-202020146-202020147-202020148-202020149-202020150-202020151-202020152-202020153-202020154-202020155-202020156-202020157-202020158-202020159-202020160-202020161-202020162-202020163-202020164-202020165-202020166-202020167-202020168-202020169-202020170-202020171-202020172-202020173-202020174-202020175-202020176-202020177-202020178-202020179-202020180-202020181-202020182-202020183-202020184-202020185-202020186-202020187-202020188-202020189-202020190-202020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# Luke Stanke on YouTube



# Modern Megaphone: @duboisviz



# #DuboisChallenge Twitter Dashboard

# #DuBoisChallenge Twitter Usage

The goal of the challenge is to celebrate the data visualization legacy of W.E.B DuBois by recreating the visualizations from the 1900 Paris Exposition using modern tools.  
This dashboard takes a look at the twitter usage of the challenge.

## Total Tweets

445

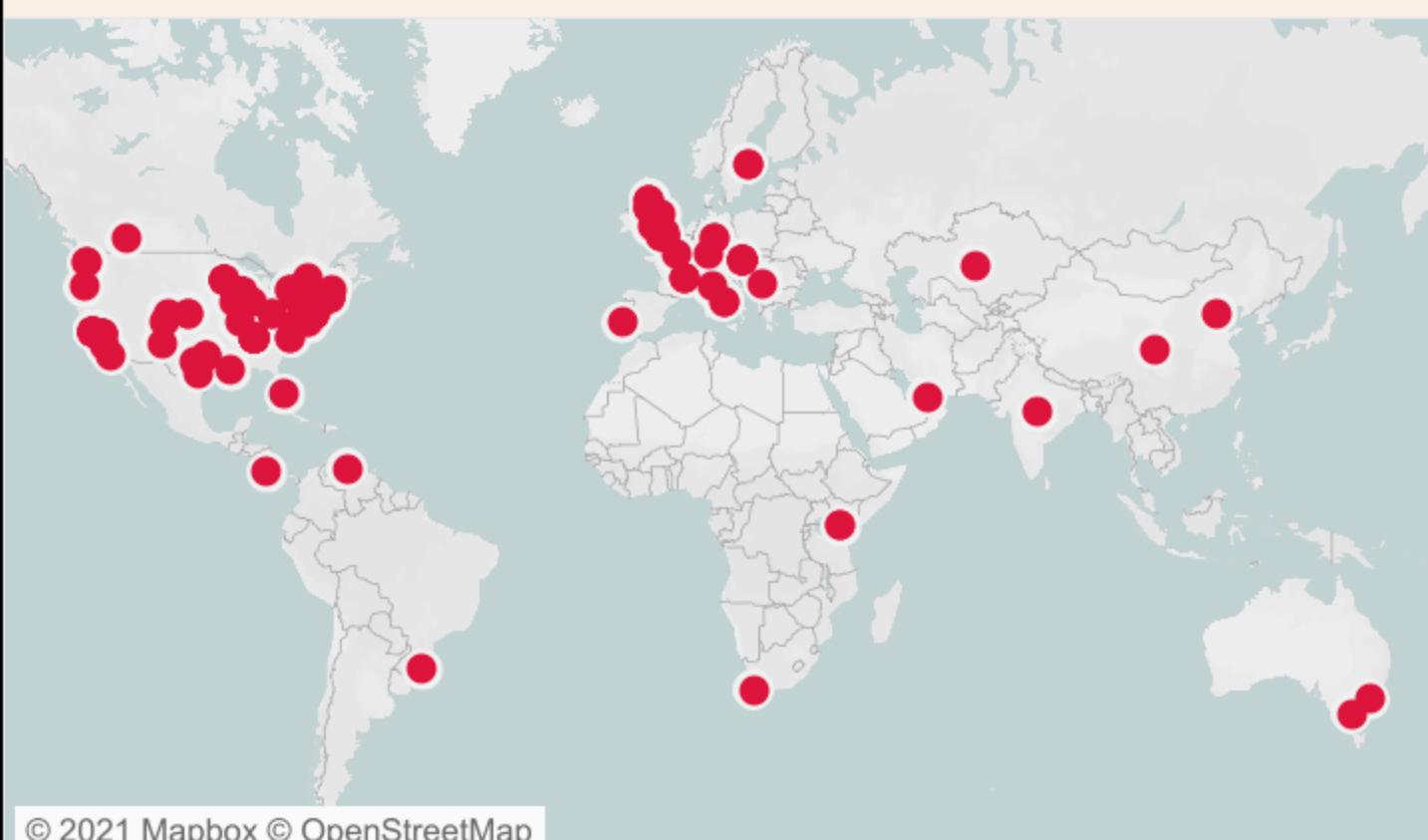
## Total Unique Users

167

## Date with the most activity

February 16th (74 Tweets)

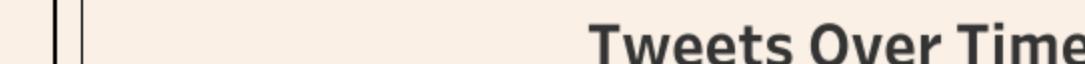
# Twitter Activity



## Top 10 Users with the Highest Follower Count

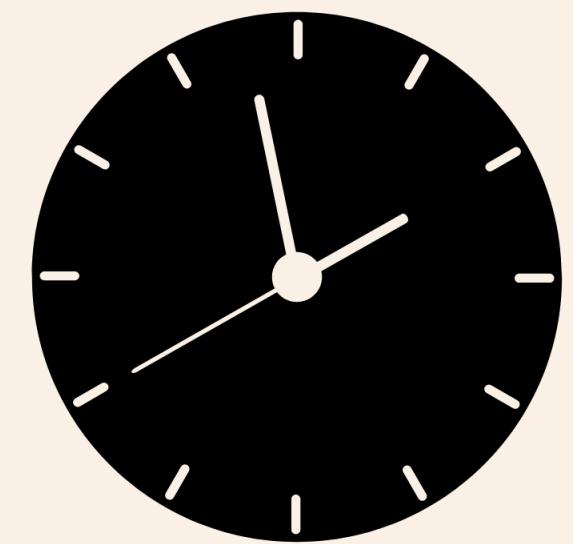
\* Verified Users

@AlbertoCairo	59,745
@ftdata	44,464
@familyunequal	22,383
@mioana	21,866
@R4DScommunity	15,768
@thomas_mock	11,629
@sarahlovesdata	9,965
@vsbuffalo	9,260
@abtran	8,018
@theneilrichards	6,334

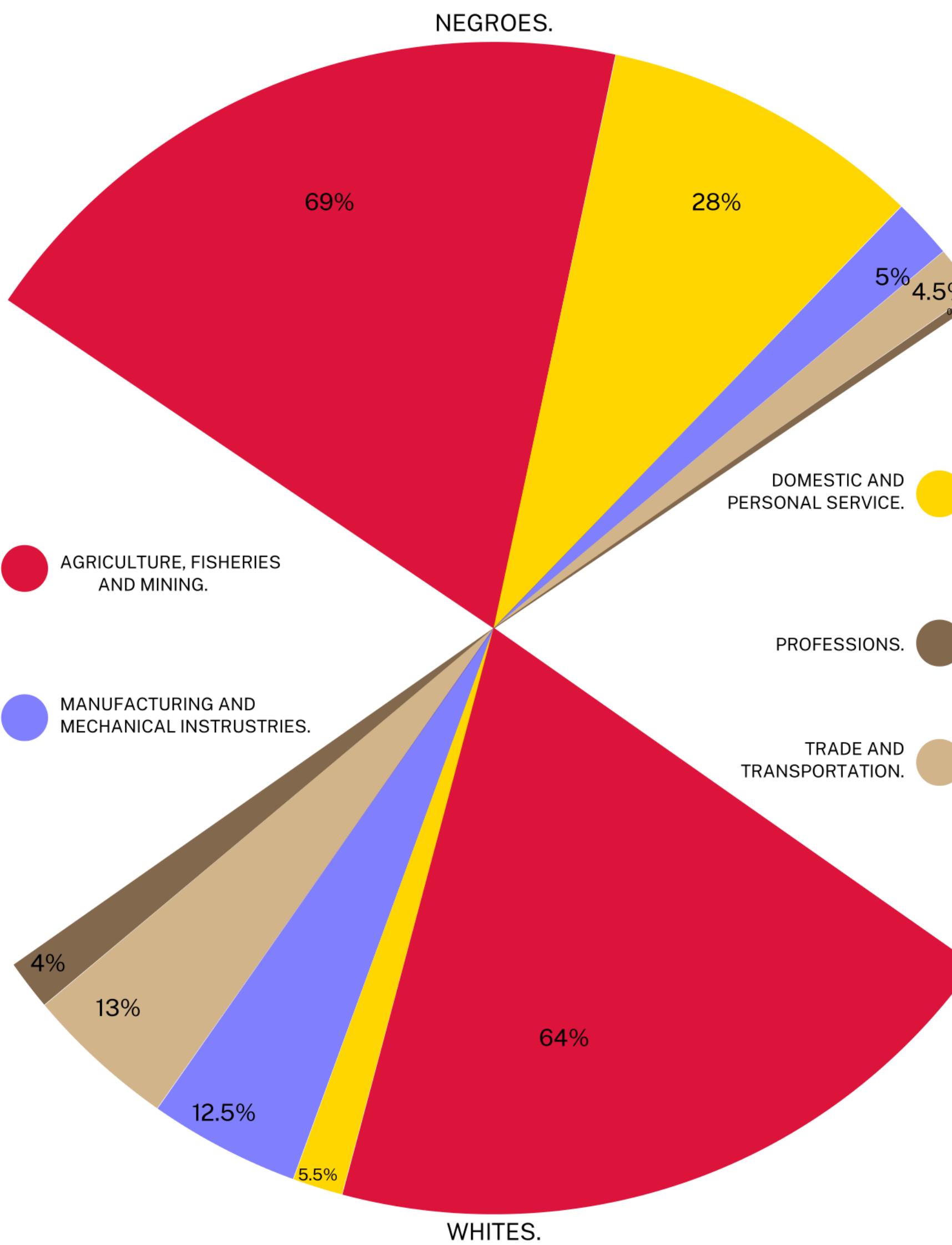


Datetime	Twitter Handle	Tweet	Link	Like Count	Retweet Count	Quote Count
2/7/2021 4:36:48 PM	@AIDatavizguy	Happy Weekend! @sqlsekou has amped up the #WEBDuBois festivities with a challenge! In honor of his awesome ..	🔗	22	7	5
2/7/2021 4:36:48 PM	@AIDatavizguy	I'm excited about the #DuBoisChallenge. If you need to immerse yourself into his work, @Jasonforrestftw has cre..	🔗	13	5	0
2/7/2021 4:36:48 PM	@AIDatavizguy	More details to come but let's get inspired by @ajstarks journey into re-creating the visualizations for modern ti..	🔗	1	1	0
2/7/2021 4:36:49 PM	@AIDatavizguy	Excited about the submissions! We also get to hear from @ajstarks and @Jasonforrestftw later this month, Feb 2..	🔗	7	4	1
2/7/2021 6:45:32 PM	@AIDatavizguy	@ajstarks @sqlsekou Thanks for sharing and kicking off the #DuBoisChallenge!	🔗	0	0	0
2/7/2021 6:50:00 PM	@AIDatavizguy	Check out some of @ajstarks work kicking off the #DuBoisChallenge! The use of color here draws you in. Can't wai..	🔗	0	0	0
2/7/2021 6:56:00 PM	@AIDatavizguy	One of the cool things @ajstarks did was to not only recreate the #WEBDuBois visualizations, he also updated th..	🔗	4	0	0
2/7/2021 8:39:58 PM	@sqlsekou	Yesâ€¼, After a convo with @AIDatavizguy, we decided it would be fun to recreate some of #WEBDuBois data ..	🔗	62	18	6
2/7/2021 8:56:19 PM	@DiversityinData	A great challenge by @sqlsekou and @AIDatavizguy #DuBoisChallenge <a href="https://t.co/A7BYjXPeVe">https://t.co/A7BYjXPeVe</a>	🔗	2	0	0
2/7/2021 9:45:23 PM	@AIDatavizguy	Recreating the #WEBDuBois visualizations for the #DuBoisChallenge	🔗	2	0	0

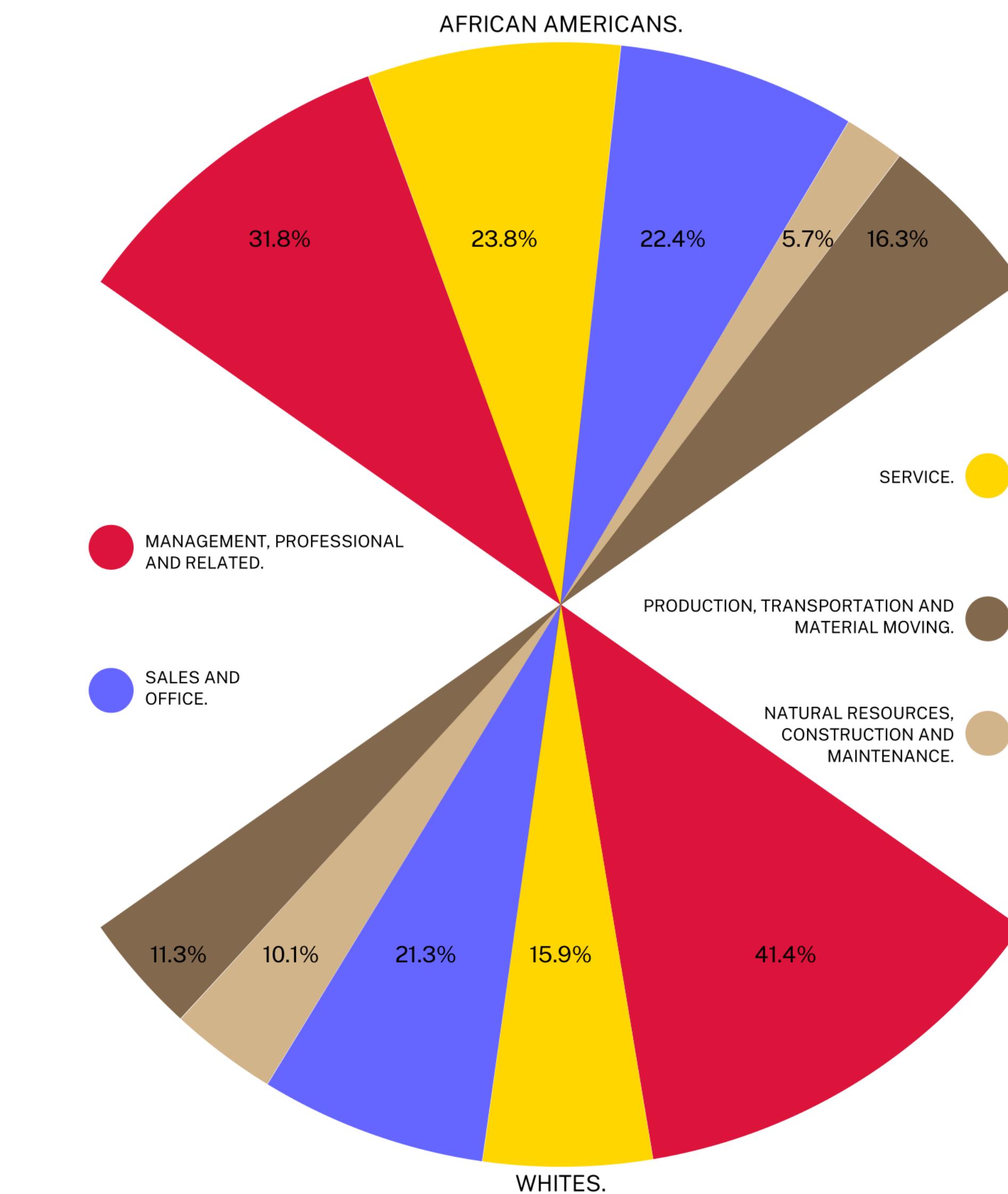
# Contemporary Data



## OCCUPATIONS OF NEGROES AND WHITES IN GEORGIA.

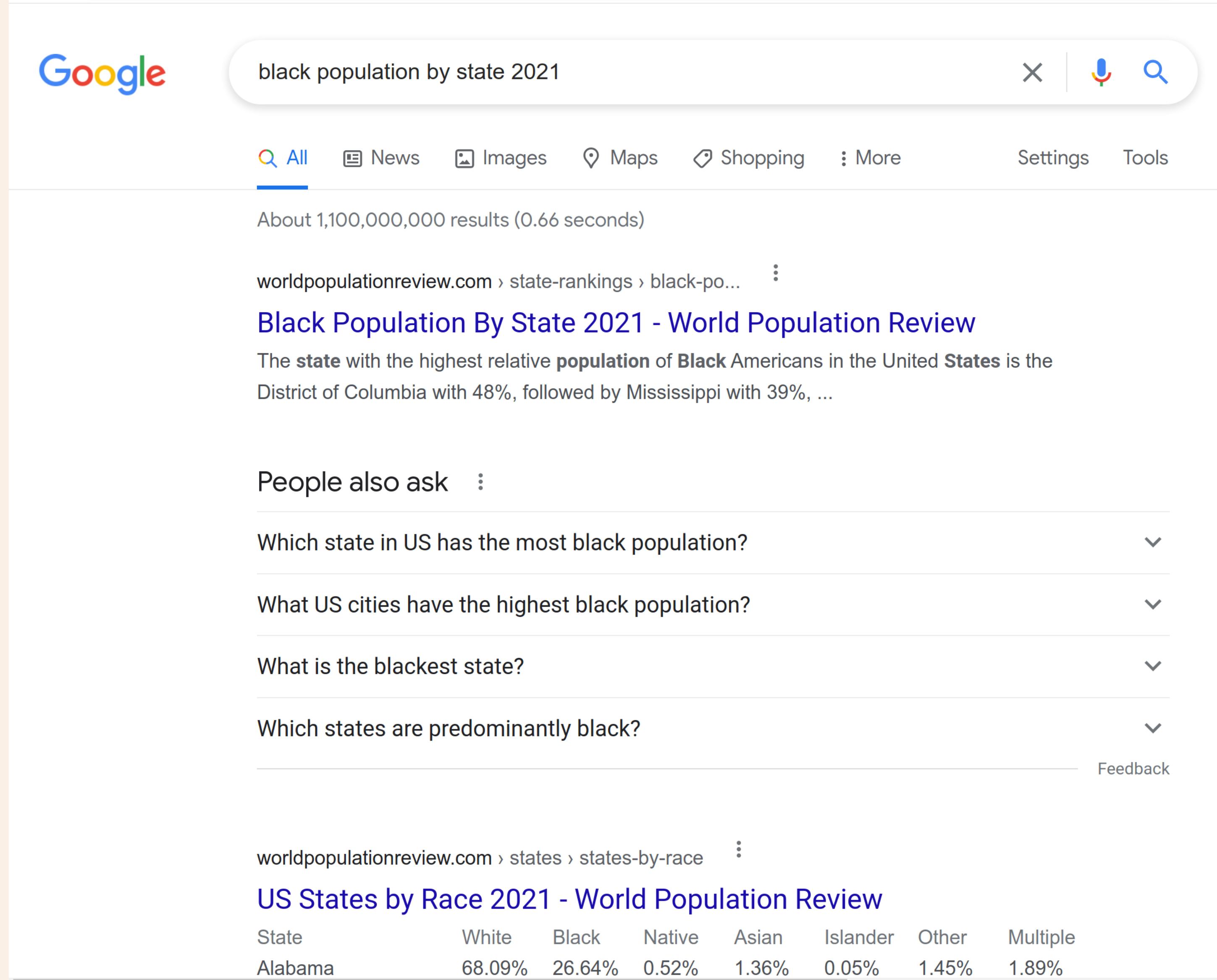


## OCCUPATIONS OF AFRICAN AMERICANS AND WHITES IN THE USA (2019).



Source: US Bureau of Labor Statistics, Labor Force Statistics from the Current Population Survey

# Start with the Question



Google search results for "black population by state 2021".

Search bar: black population by state 2021

Navigation: All | News | Images | Maps | Shopping | More | Settings | Tools

Results count: About 1,100,000,000 results (0.66 seconds)

First result:

[worldpopulationreview.com › state-rankings › black-po...](#)

**Black Population By State 2021 - World Population Review**

The **state** with the highest relative population of **Black** Americans in the United **States** is the District of Columbia with 48%, followed by Mississippi with 39%, ...

People also ask:

- Which state in US has the most black population?
- What US cities have the highest black population?
- What is the blackest state?
- Which states are predominantly black?

Feedback

worldpopulationreview.com › states › states-by-race

**US States by Race 2021 - World Population Review**

State	White	Black	Native	Asian	Islander	Other	Multiple
Alabama	68.09%	26.64%	0.52%	1.36%	0.05%	1.45%	1.89%

# Find Your Data

Black Population By State 2021 Show sources

\* Black or African American alone or in combination with one or more other races

[Download CSV](#) [Download JSON](#)

State	Black	Black (%)
Mississippi	1,148,330	38.71%
Louisiana	1,556,080	33.63%
Georgia	3,436,530	31.73%
Maryland	1,916,620	31.60%
Alabama	1,340,980	27.18%
South Carolina	1,410,420	26.72%
Delaware	229,730	23.20%
North Carolina	2,360,230	22.06%
Virginia	1,782,850	20.72%
New York	3,379,350	17.51%
Tennessee	1,200,240	17.28%
Florida	3,653,870	16.65%
Arkansas	489,192	16.12%
Illinois	1,955,310	15.56%

```
"State","BlackTotal","BlackPerc"
"Mississippi","1148330","0.3871"
"Louisiana","1556080","0.3363"
"Georgia","3436530","0.3173"
"Maryland","1916620","0.3160"
"Alabama","1340980","0.2718"
"South Carolina","1410420","0.2672"
"Delaware","229730","0.2320"
"North Carolina","2360230","0.2206"
"Virginia","1782850","0.2072"
"New York","3379350","0.1751"
"Tennessee","1200240","0.1728"
"Florida","3653870","0.1665"
"Arkansas","489192","0.1612"
"Illinois","1955310","0.1556"
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>Pennsylvania","1621740","0.1267"
>Missouri","779871","0.1264"
>Connecticut","447432","0.1259"
>Texas","3727750","0.1254"
>Indiana","720476","0.1059"
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blackpop - Google Sheets

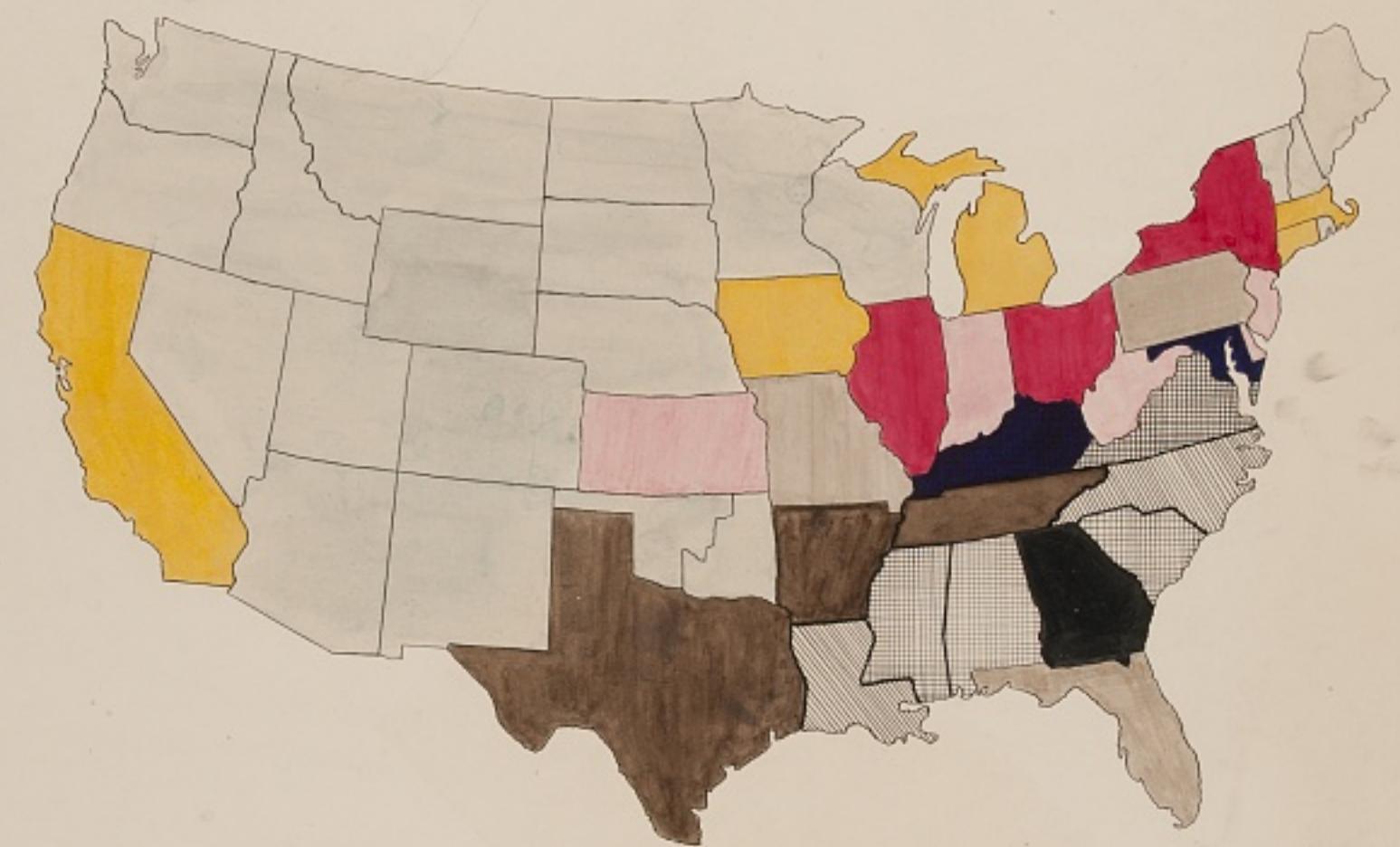
File Edit View Insert Format

A1 | fx | State

	A	B	C	D
1	State	BlackTotal	BlackPerc	
2	Mississippi	1148330	0.3871	
3	Louisiana	1556080	0.3363	
4	Georgia	3436530	0.3173	
5	Maryland	1916620	0.316	
6	Alabama	1340980	0.2718	
7	South Carolina	1410420	0.2672	
8	Delaware	229730	0.232	
9	North Carolina	2360230	0.2206	
10	Virginia	1782850	0.2072	
11	New York	3379350	0.1751	
12	Tennessee	1200240	0.1728	
13	Florida	3653870	0.1665	
14	Arkansas	489192	0.1612	
15	Illinois	1955310	0.1556	
16	Michigan	1519460	0.1521	
17	New Jersey	1318290	0.1485	
18	Ohio	1654700	0.1413	
19	Pennsylvania	1621740	0.1267	

Explore

RELATIVE NEGRO POPULATION OF THE STATES OF THE UNITED STATES.



■ 750,000 NEGROES AND OVER

■ 100,000 — 200,000

■ 600,000 — 750,000

■ 50,000 — 100,000

■ 500,000 — 600,000

■ 25,000 — 50,000

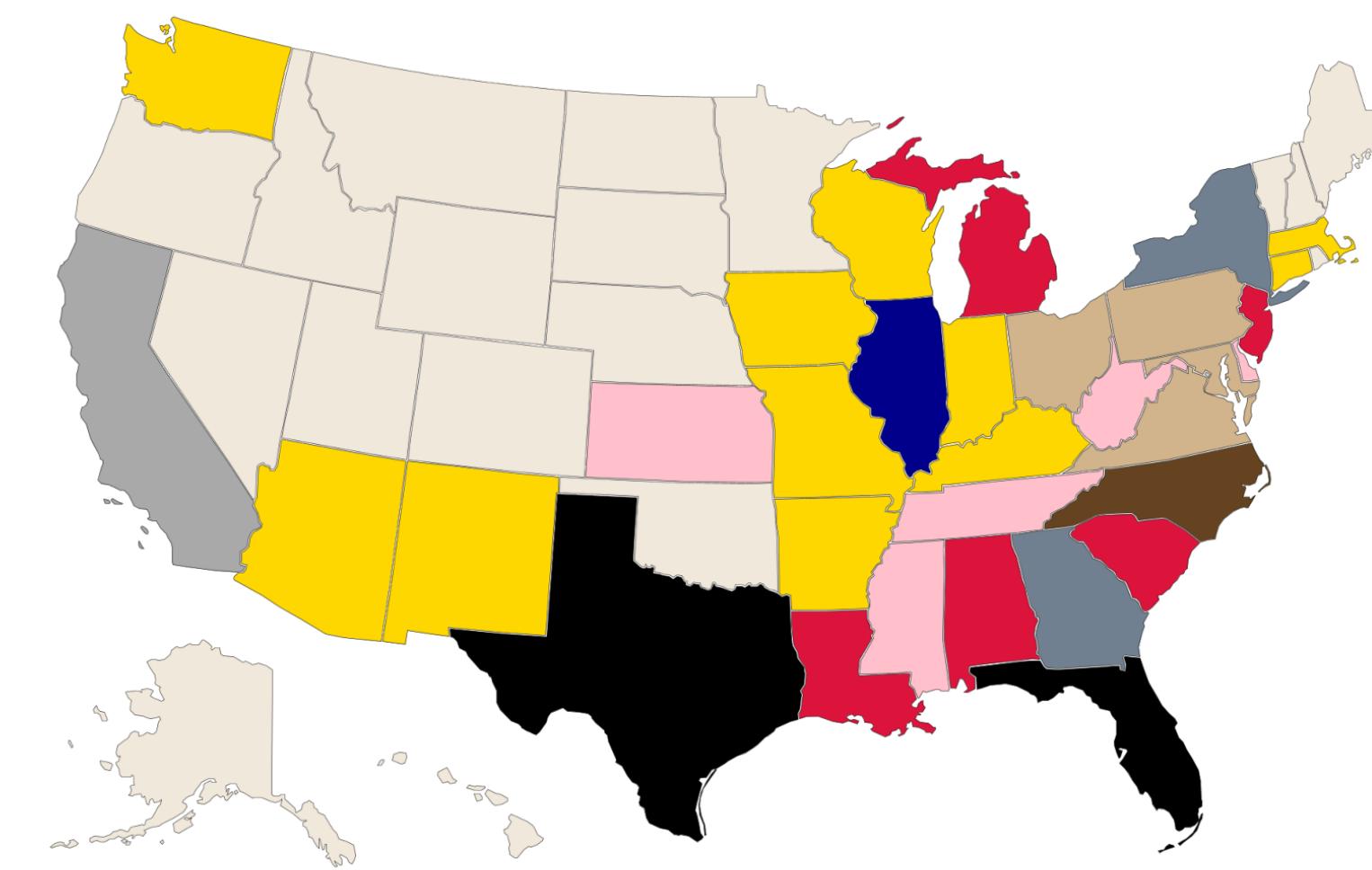
■ 300,000 — 500,000

■ 10,000 — 25,000

■ 200,000 — 300,000

■ UNDER — 10,000

RELATIVE BLACK POPULATION OF THE STATES OF THE UNITED STATES. (2021)



■ 4.0 - 3.6 MILLION

■ 2.0 - 1.6 MILLION

■ 3.6 - 3.2 MILLION

■ 1.6 - 1.2 MILLION

■ 3.2 - 2.8 MILLION

■ 1.2 - 0.8 MILLION

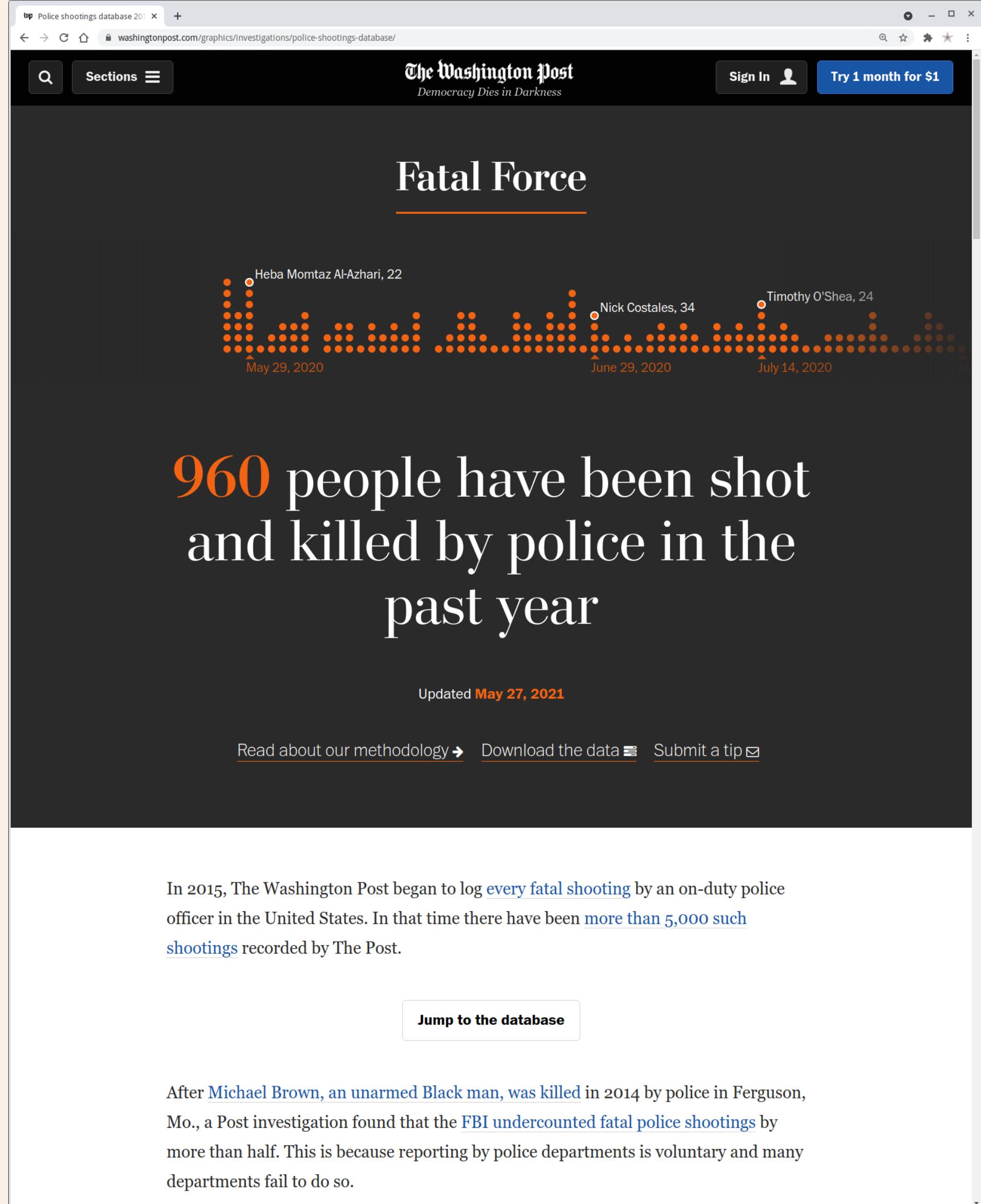
■ 2.8 - 2.4 MILLION

■ 0.8 - 0.4 MILLION

■ 2.4 - 2.0 MILLION

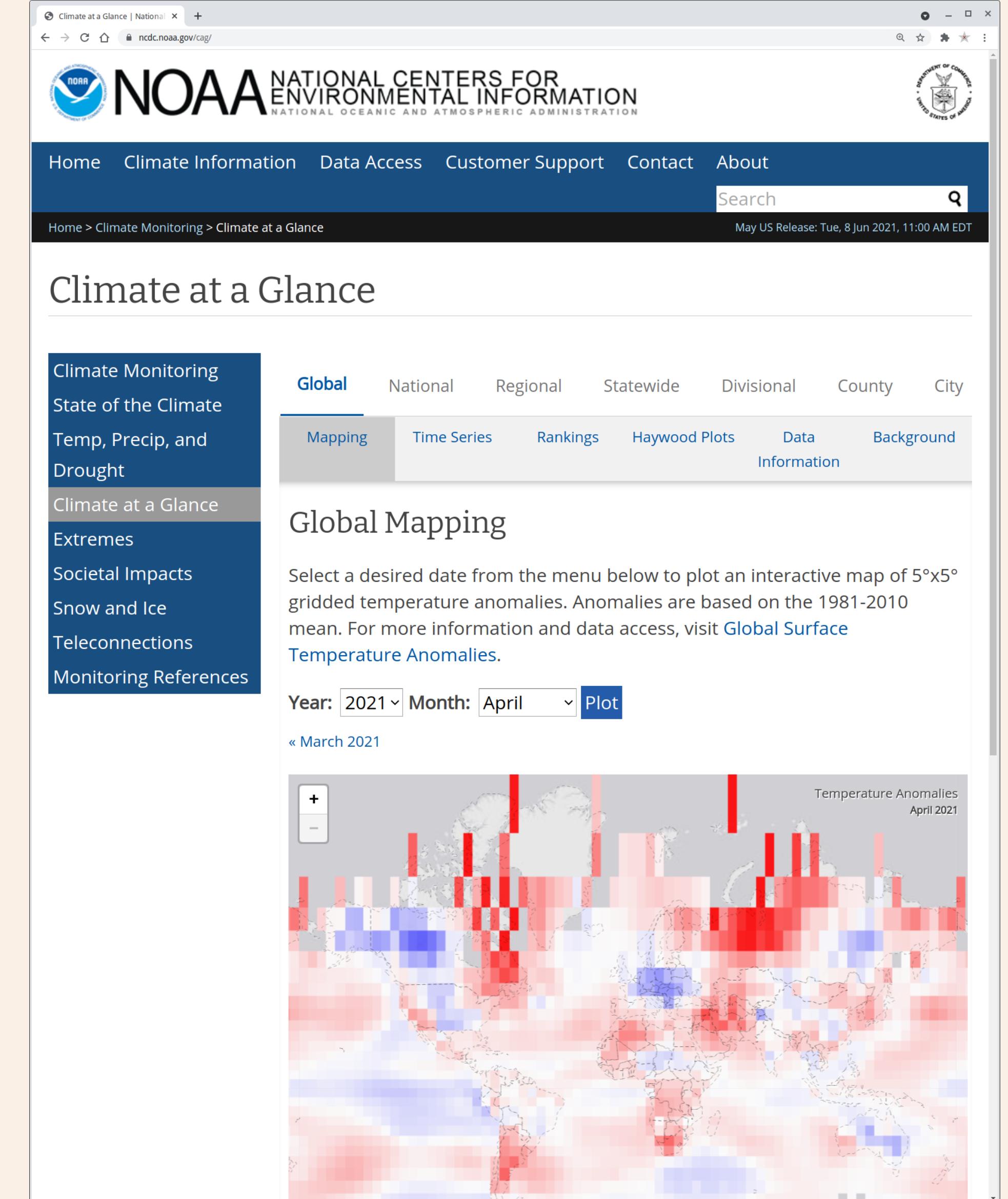
■ UNDER 0.4 MILLION

# Washington Post Shooting Database



<https://www.washingtonpost.com/graphics/investigations/police-shootings-database/>

# NOAA Climate Data



<https://www.ncdc.noaa.gov/cag/>

Authorship, after all,  
is not only what is  
created but also what  
is selected.

Teju Cole