

# Building on the Legacy of the Du Bois Data Portraits



Atlanta University Debating Team, c. 1900



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

# 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‡

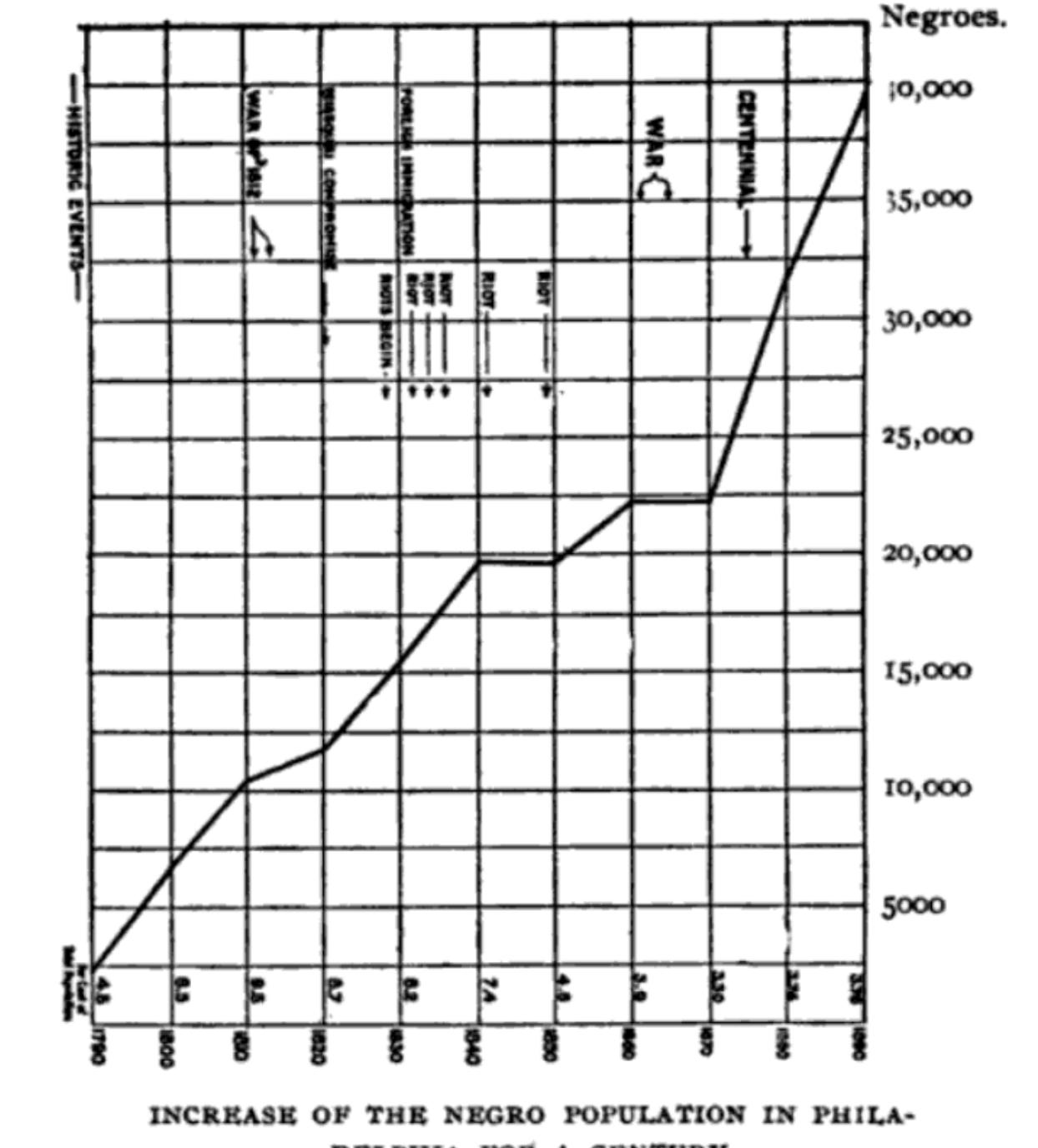
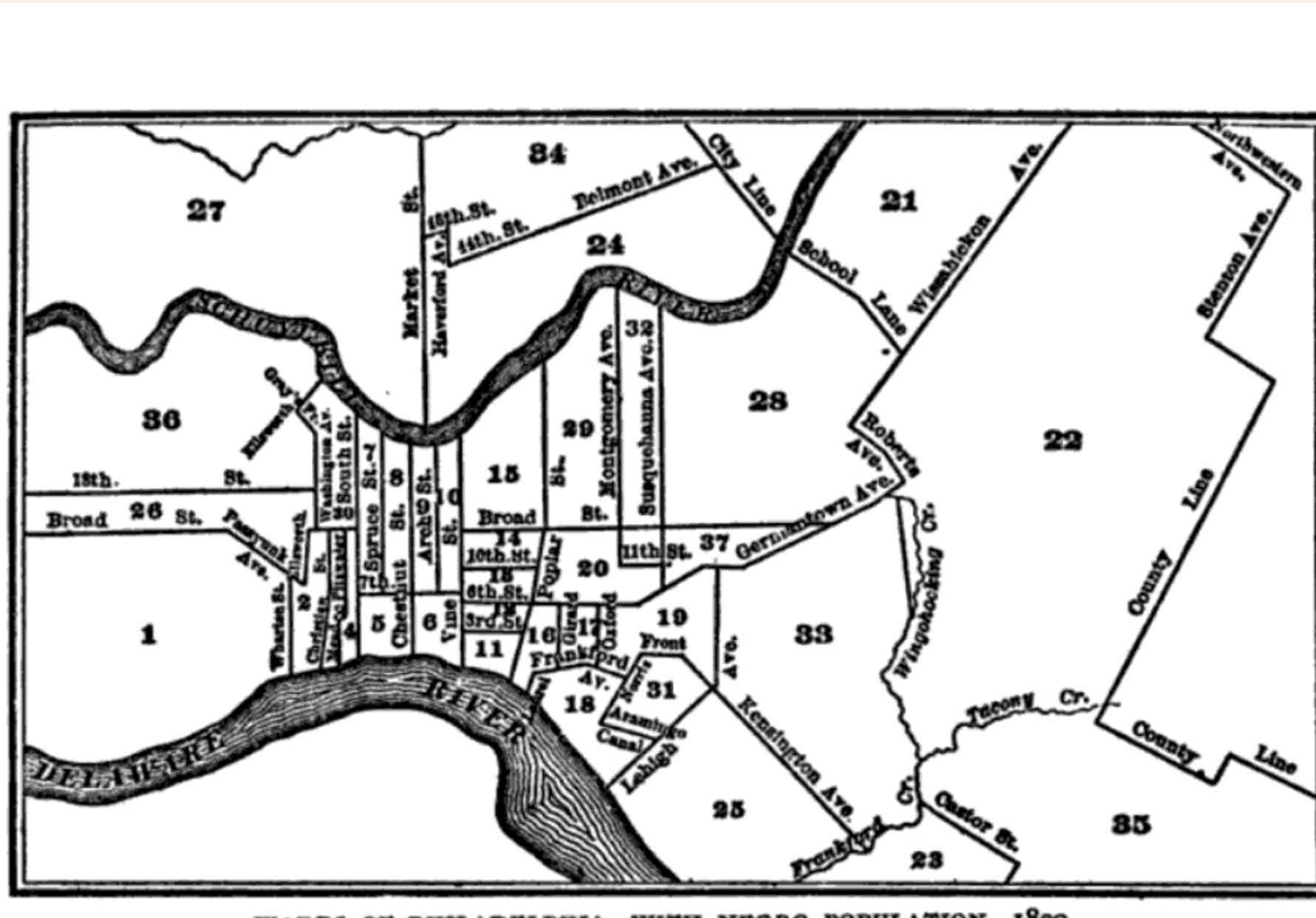
\* Including Chinese, Japanese and Indians. † 15 to 55. ‡ Over 55.

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"



W.E.B. DuBois in Paris 1900



Exposition of the American Negro, Paris, 1900

# Historical Context



“Black America” Fair

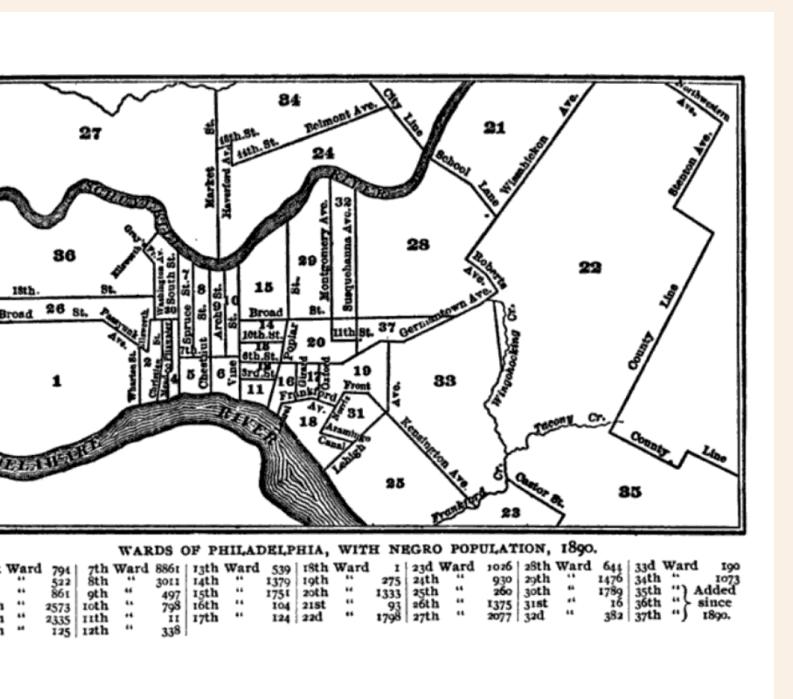
1895

# Historical Context



“Black America” Fair

1895

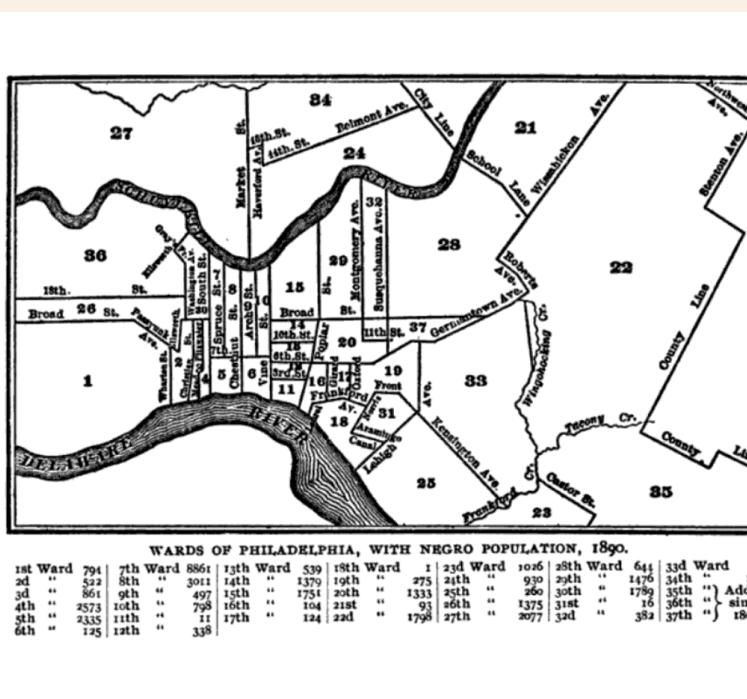


# Historical Context



“Black America” Fair

1895



Phila. Negro begins

1897

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

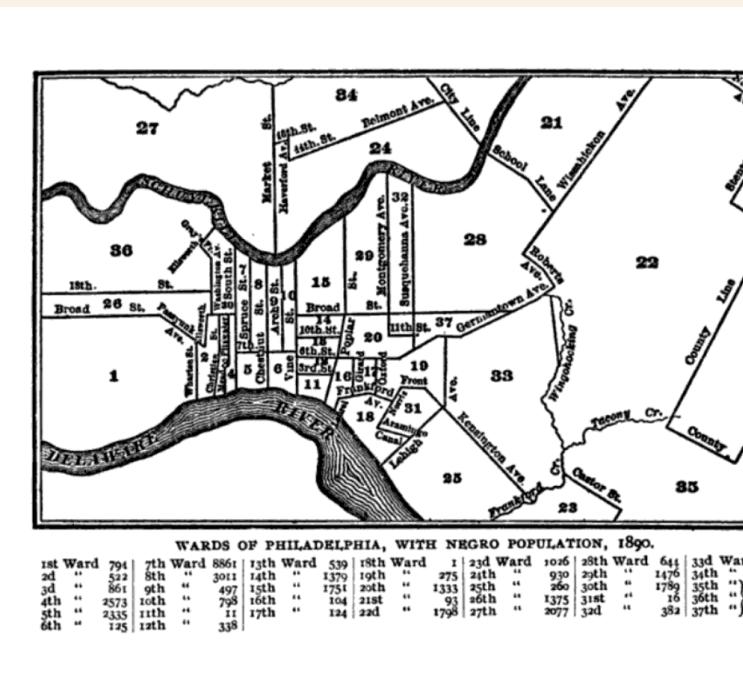
1898

# Historical Context



“Black America” Fair

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1898



Lynchings Peak

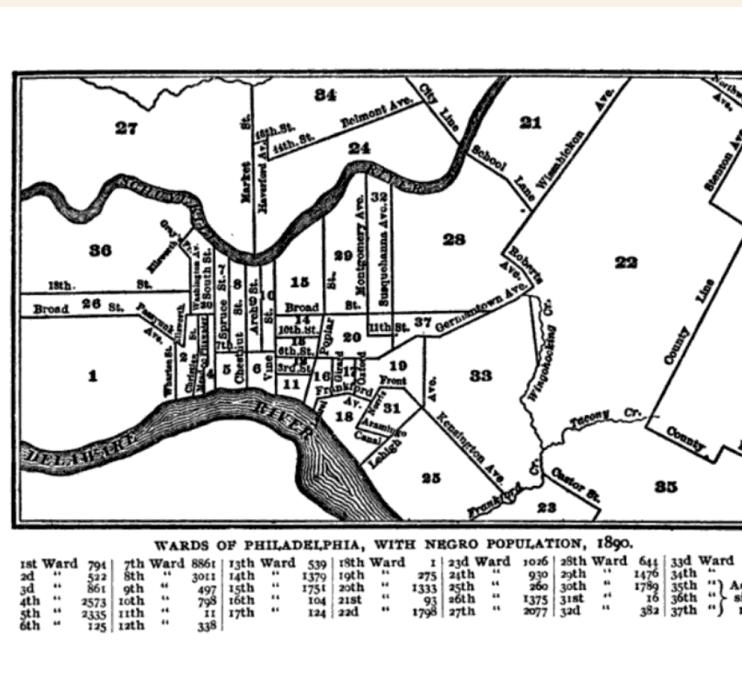
1899

# Historical Context



“Black America” Fair

1895



Phila. Negro begins

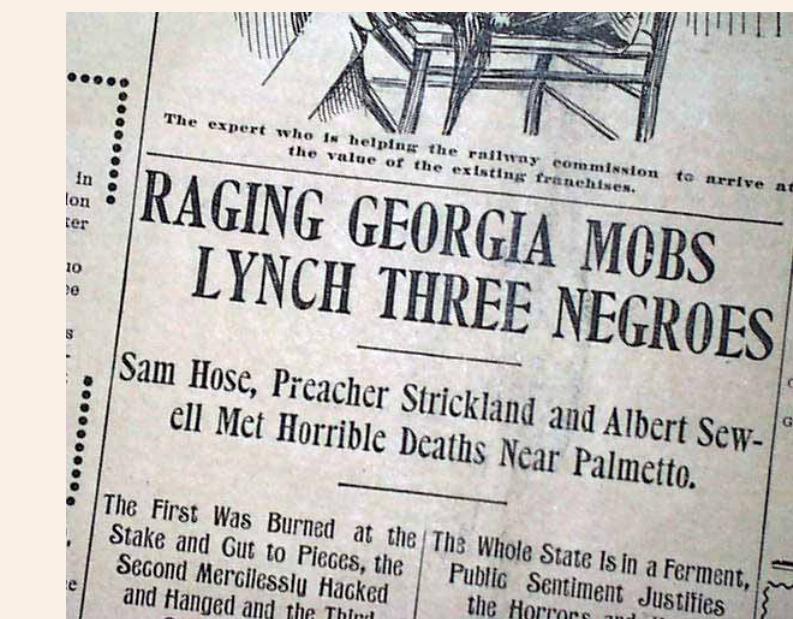
1897

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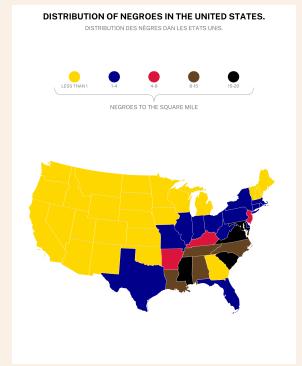
Lynchings Peak

1899

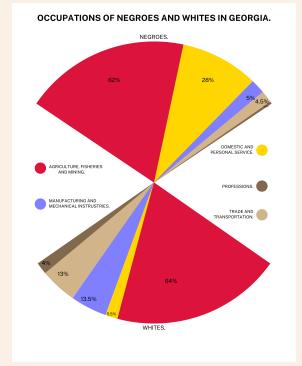


Paris Exposition

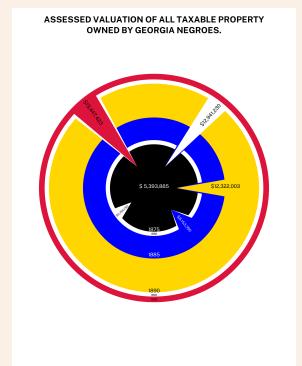
1900



# We are here

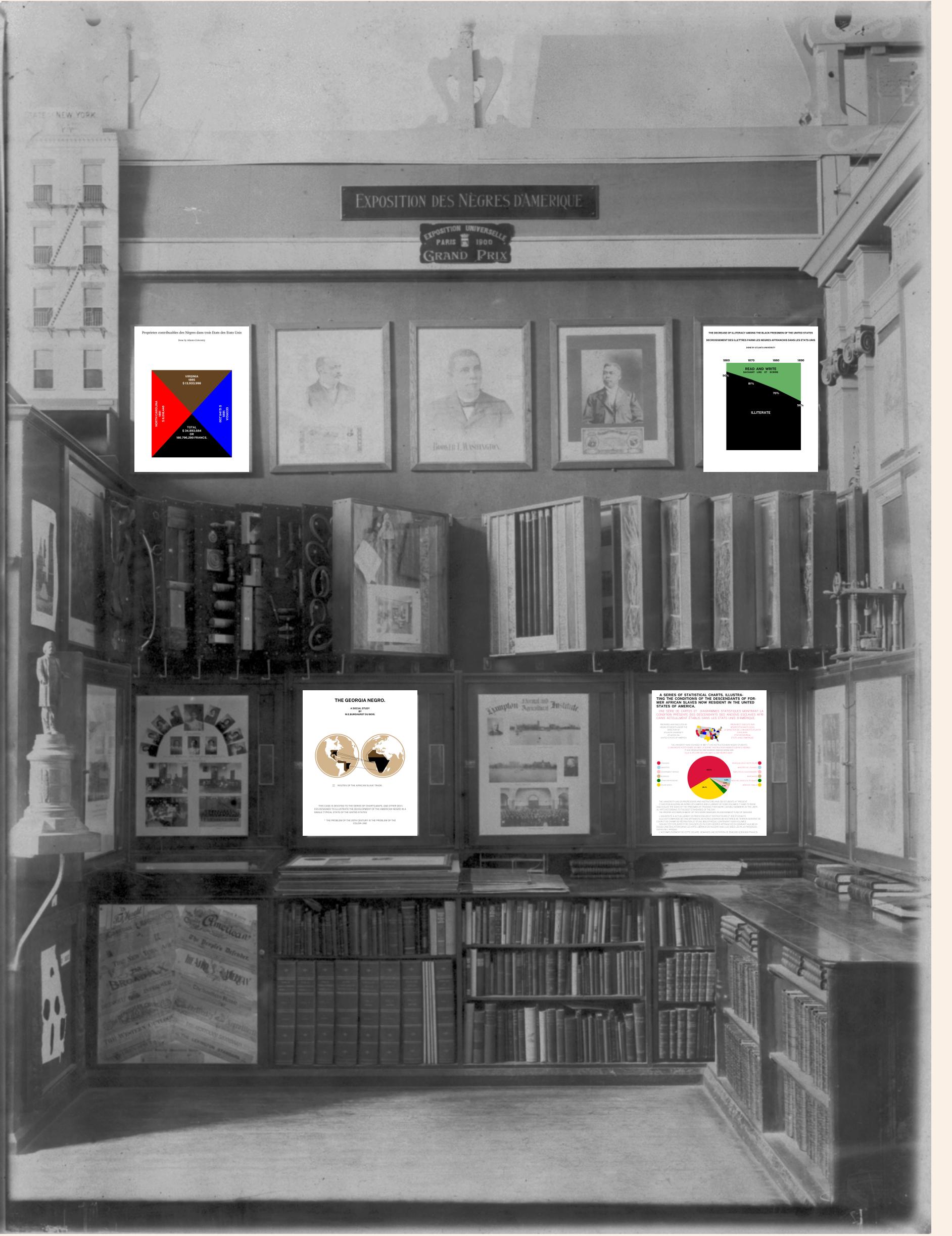


# This is who we are



# 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.



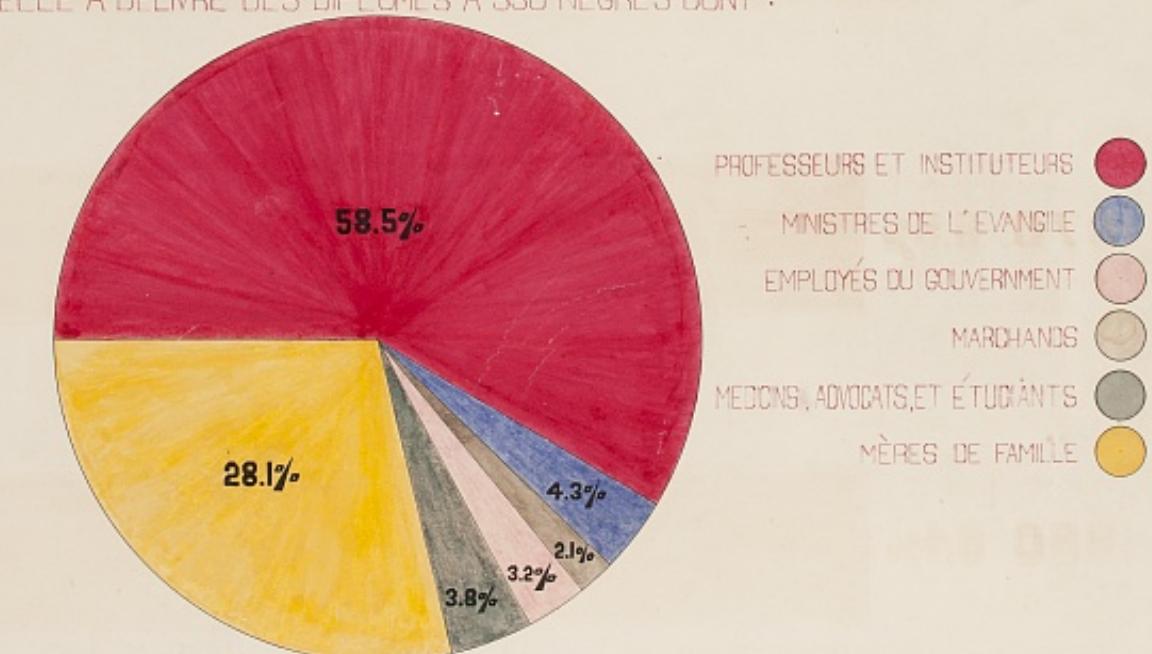
CENTRE OF NEGRO POPULATION,  
ATLANTA UNIVERSITY.

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"

- TEACHERS
- MINISTERS
- GOVERNMENT SERVICE
- BUSINESS
- OTHER PROFESSIONS
- HOUSE WIVES



- PROFESSEURS ET INSTITUTEURS
- MINISTRES DE L'EVANGILE
- EMPLOYÉS DU GOUVERNEMENT
- MARCHANDS
- MEDECINS, AVOCATS, ET ÉTUDIANTS
- MÈRES DE FAMILLE

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 LIBER-  
AL ARTS ACCORDING TO THE BEST STANDARDS OF THE DAY.

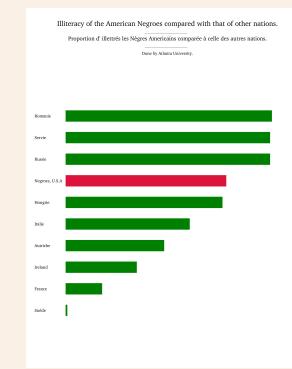
THE PROPER ACCOMPLISHMENT OF THIS WORK DEMANDS AN ENDOWMENT FUND OF \$500,000.

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 PROGRES-  
SISTES DE L'ÉPOQUE.

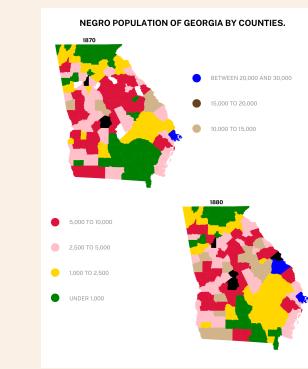
L'ACCOMPLISSEMENT DE CETTE ŒUVRE DEMANDE UNE DOTATION DE \$500,000 (2,500,000 FRANCS).

# Taxonomy



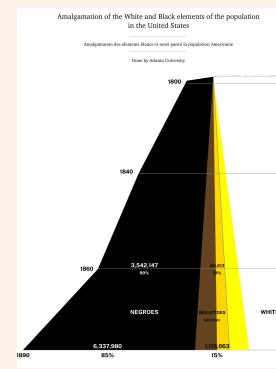
Bars

52.63%



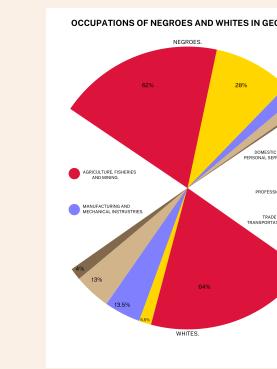
Maps

15.79%



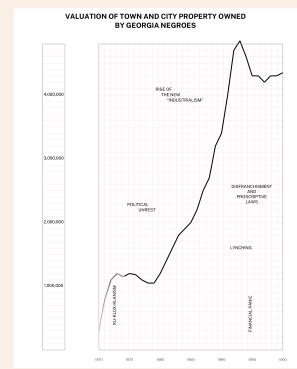
Blocks

14.04%



Circles

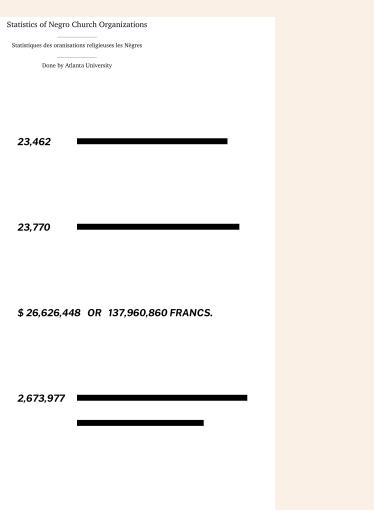
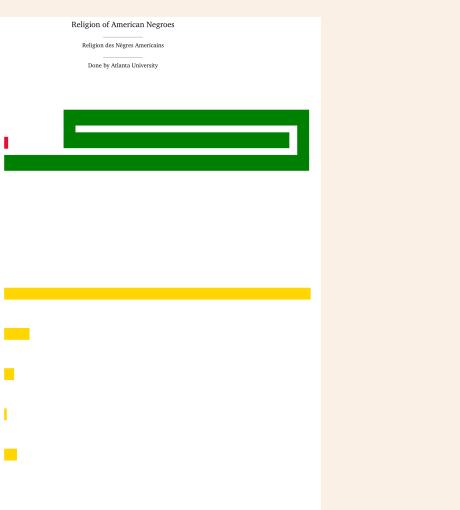
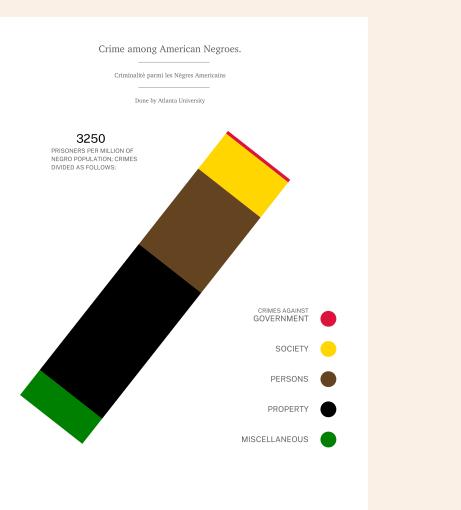
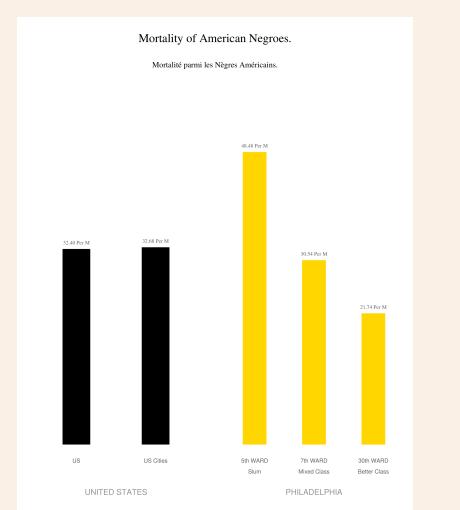
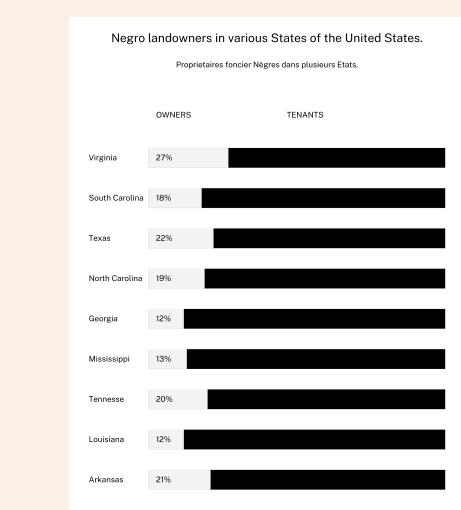
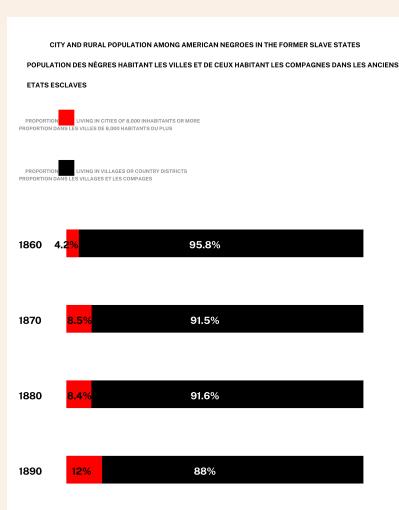
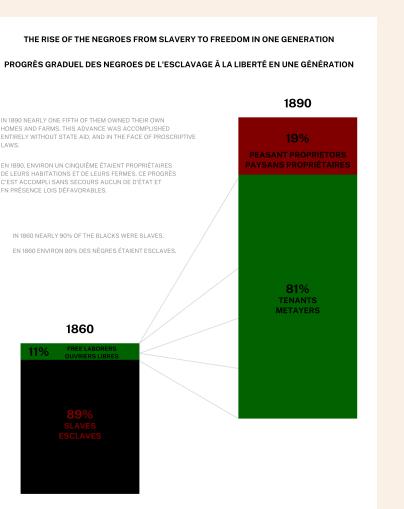
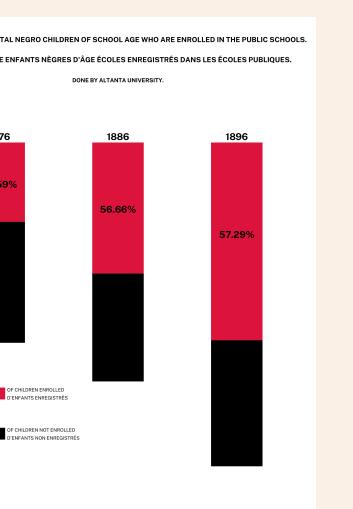
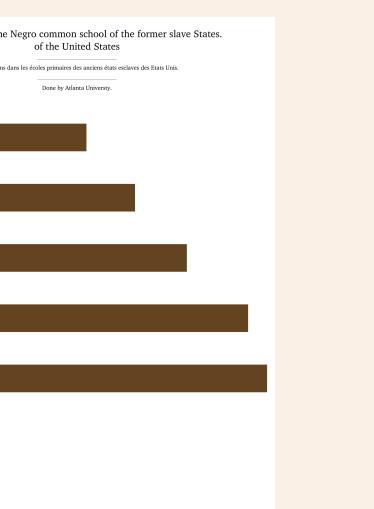
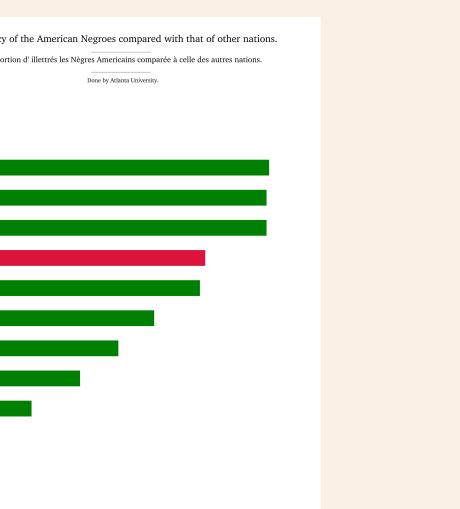
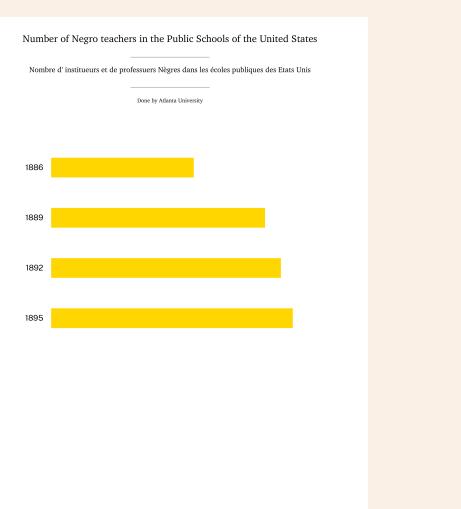
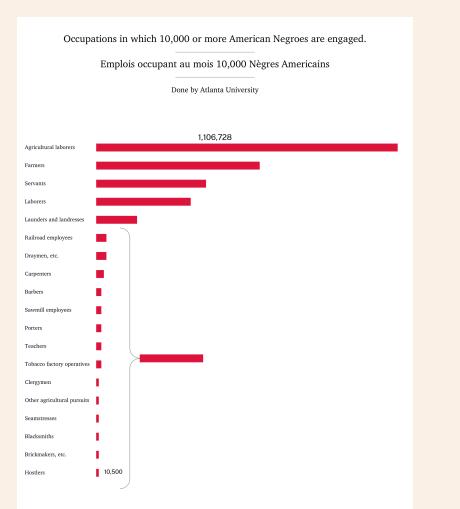
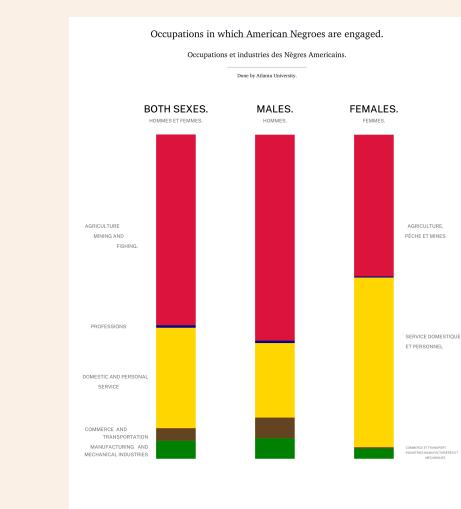
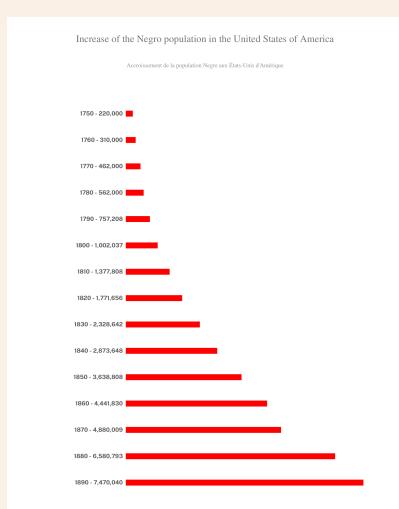
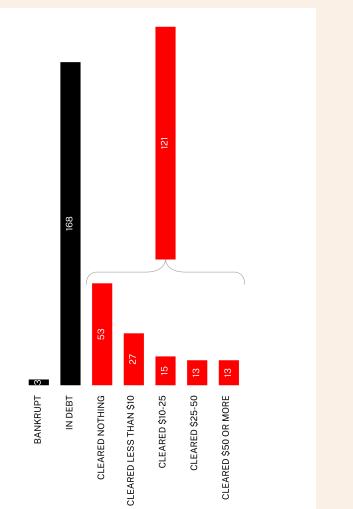
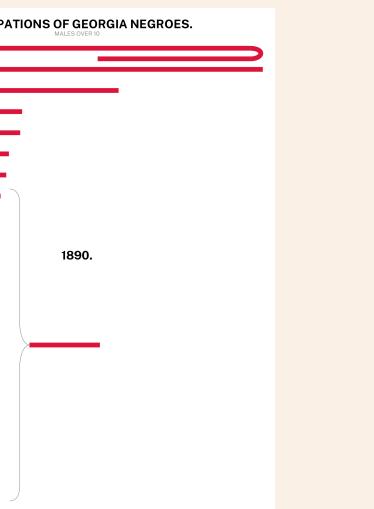
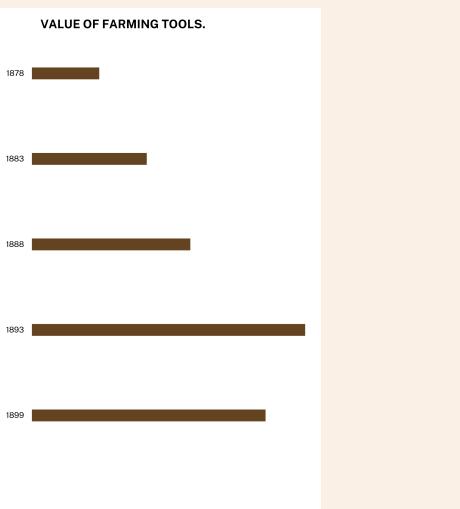
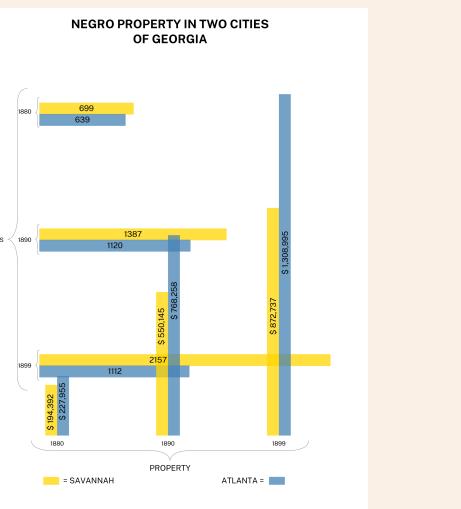
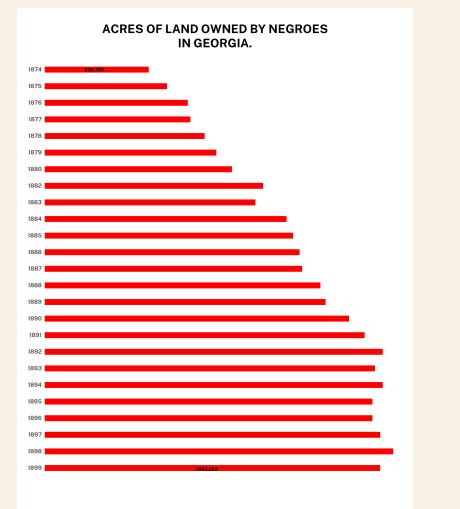
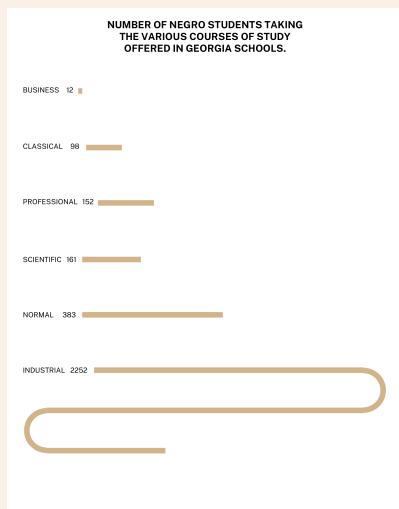
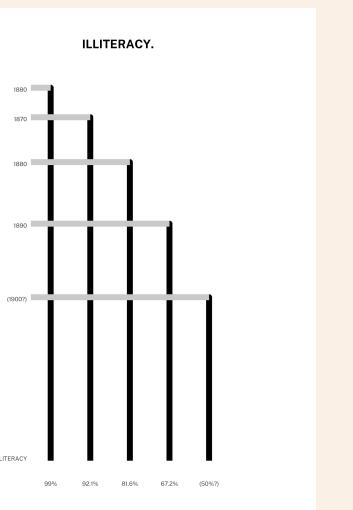
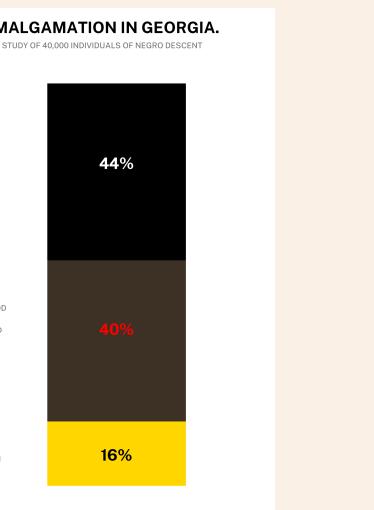
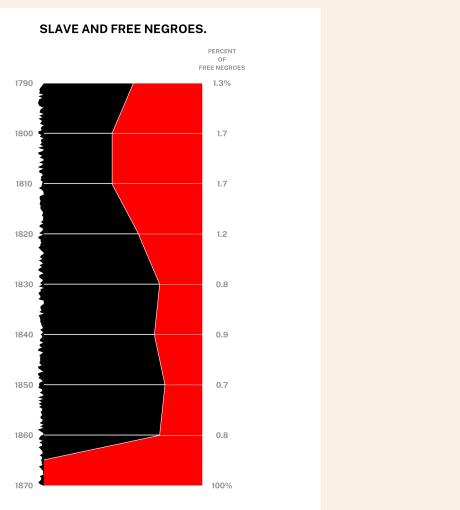
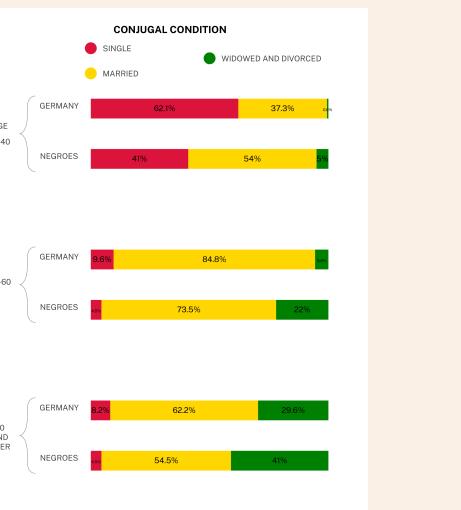
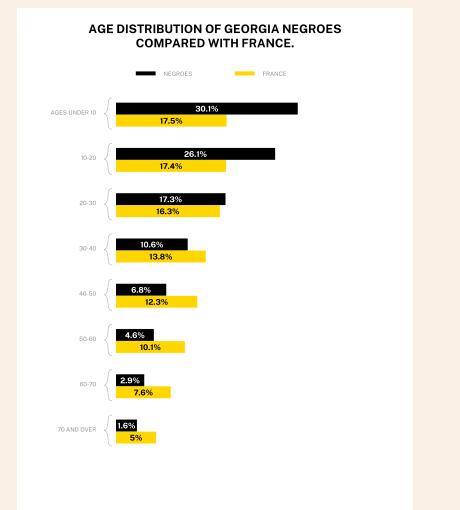
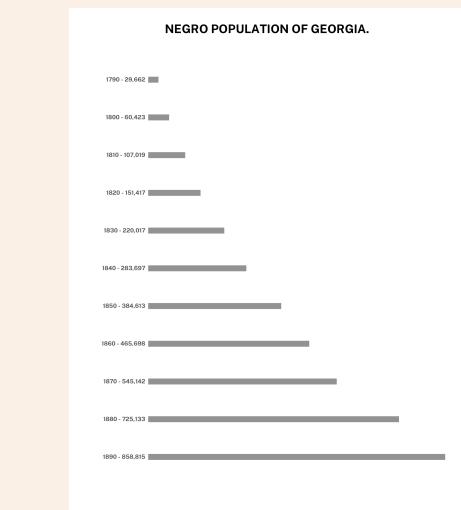
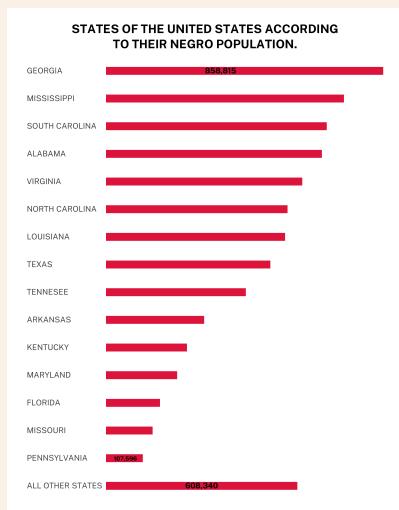
12.28%



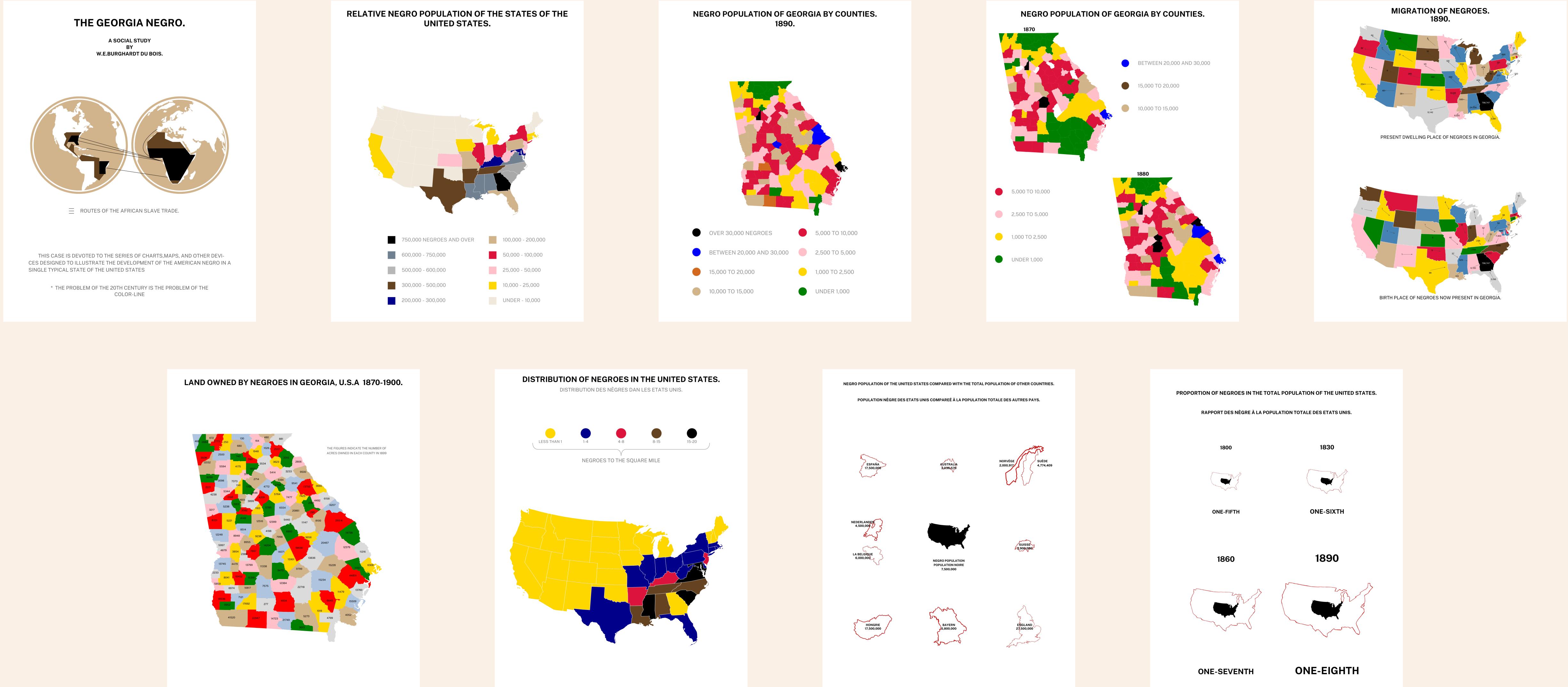
Graphs

5.26%

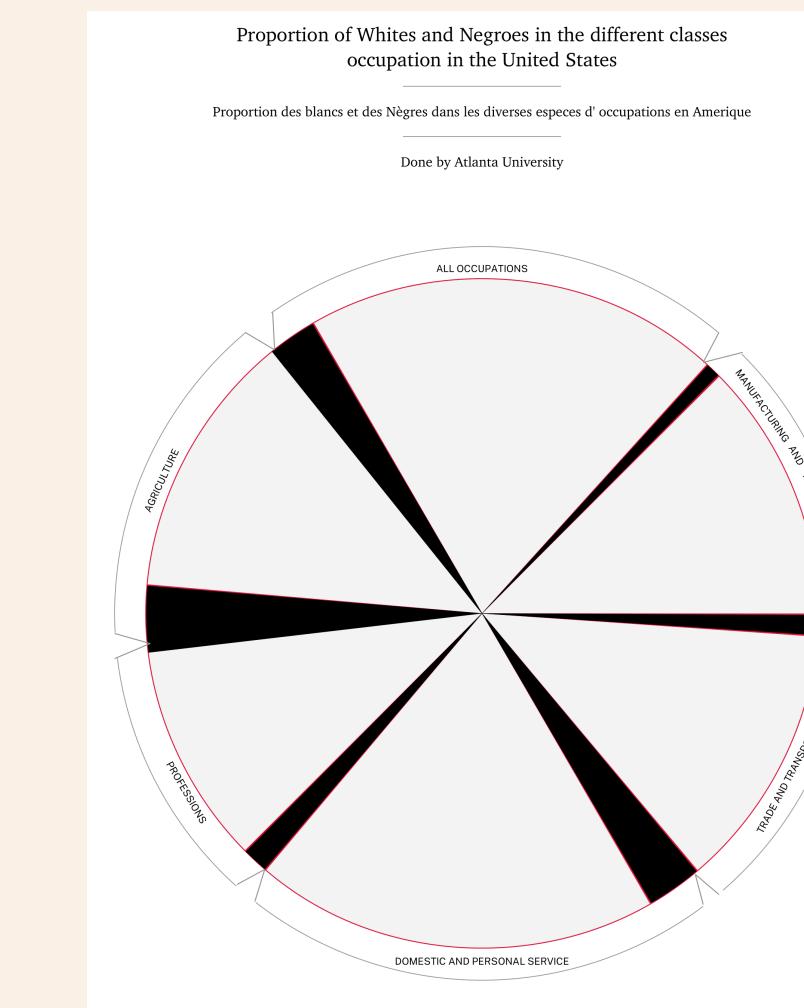
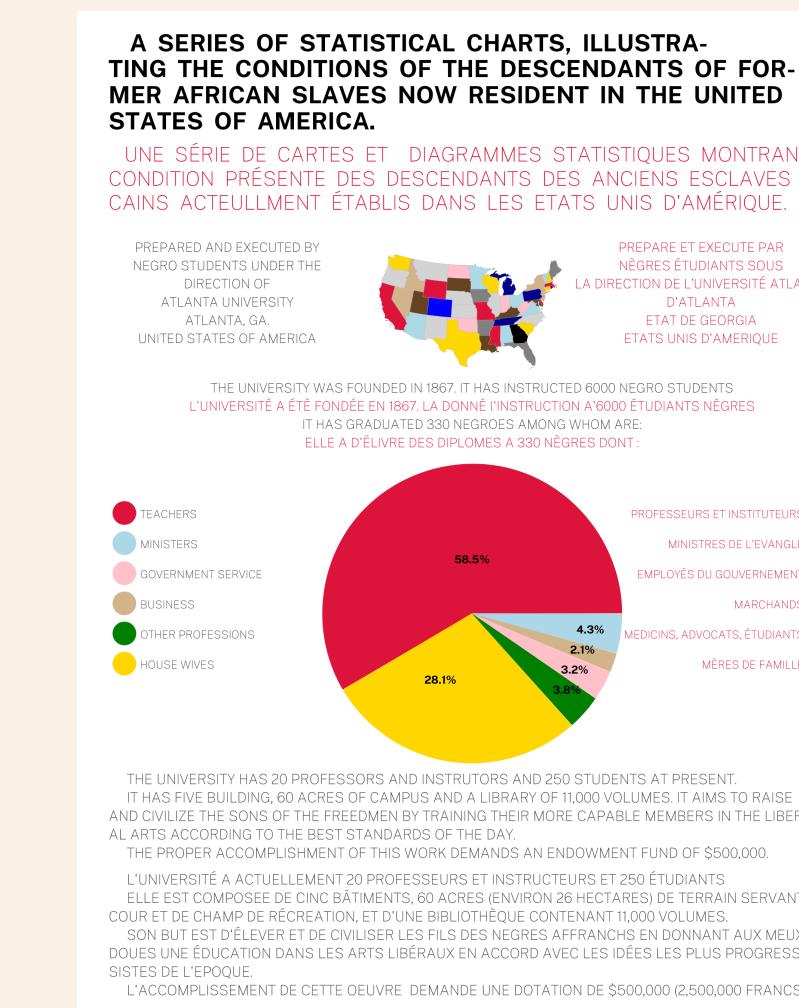
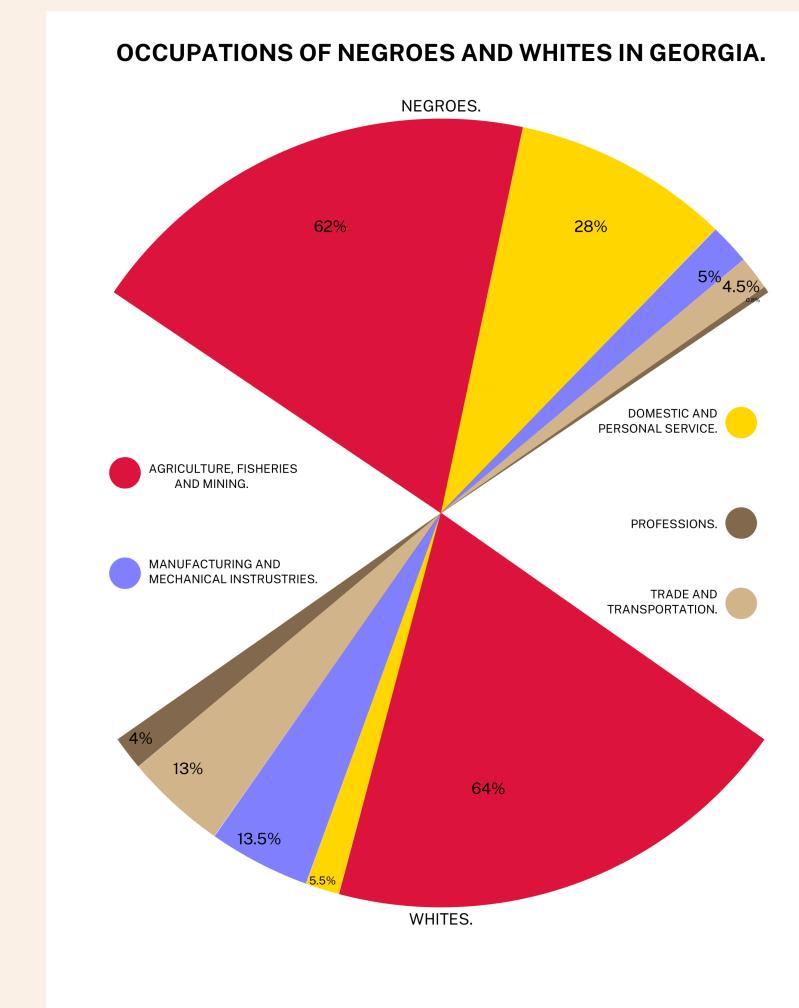
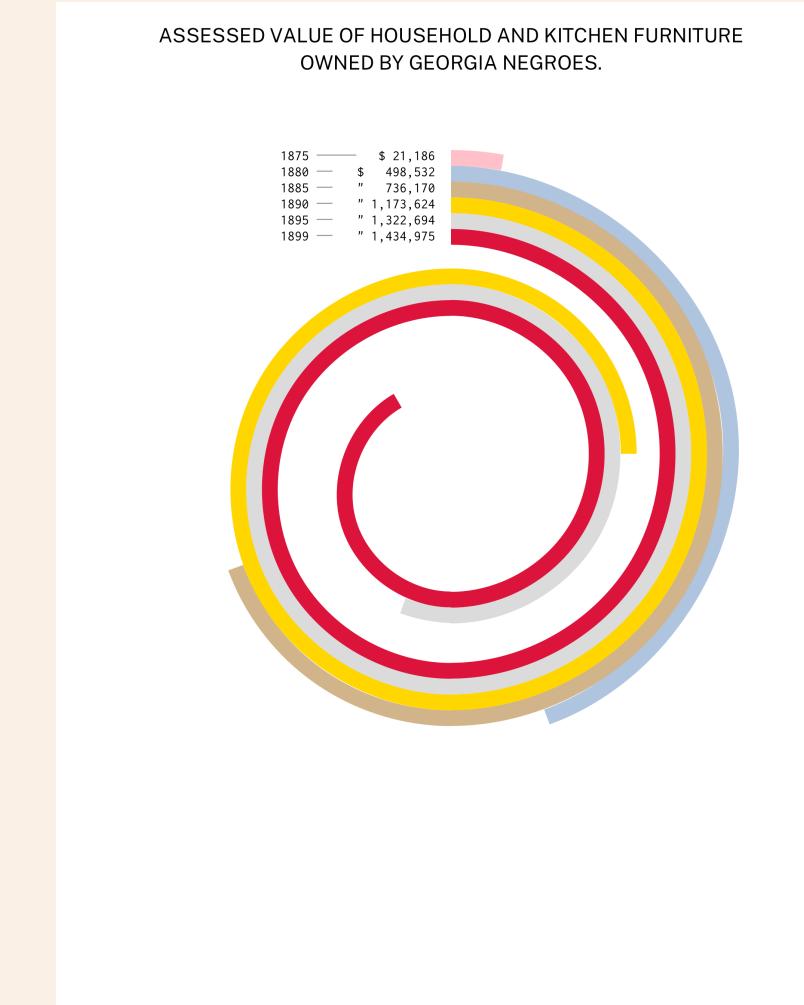
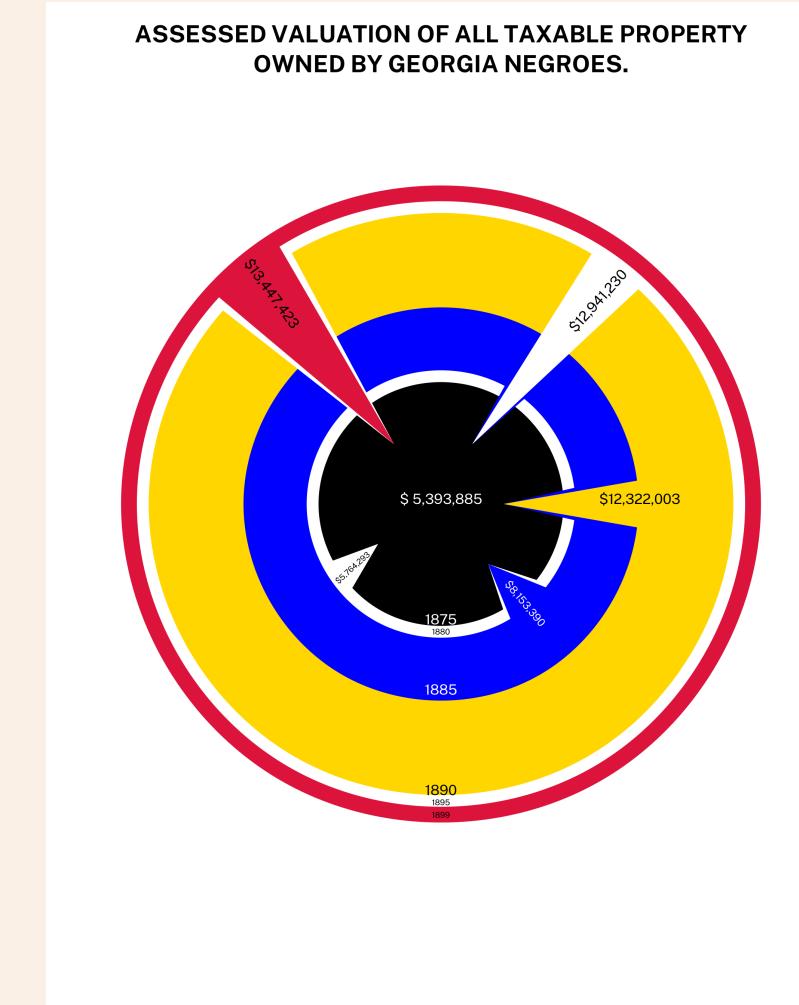
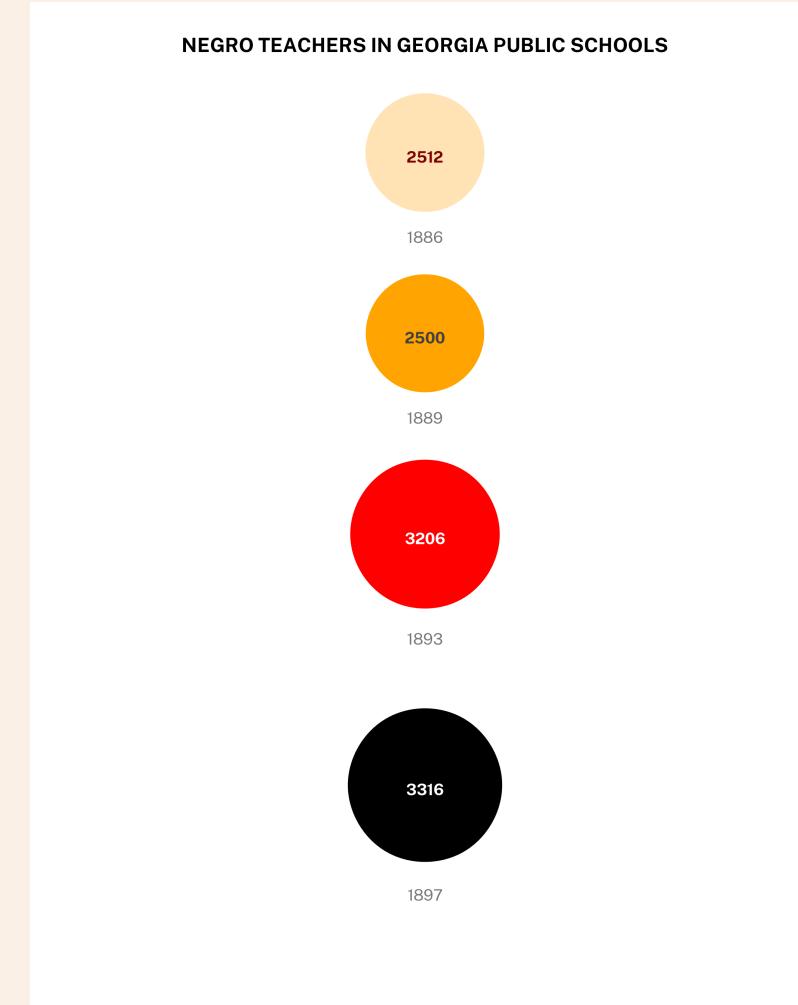
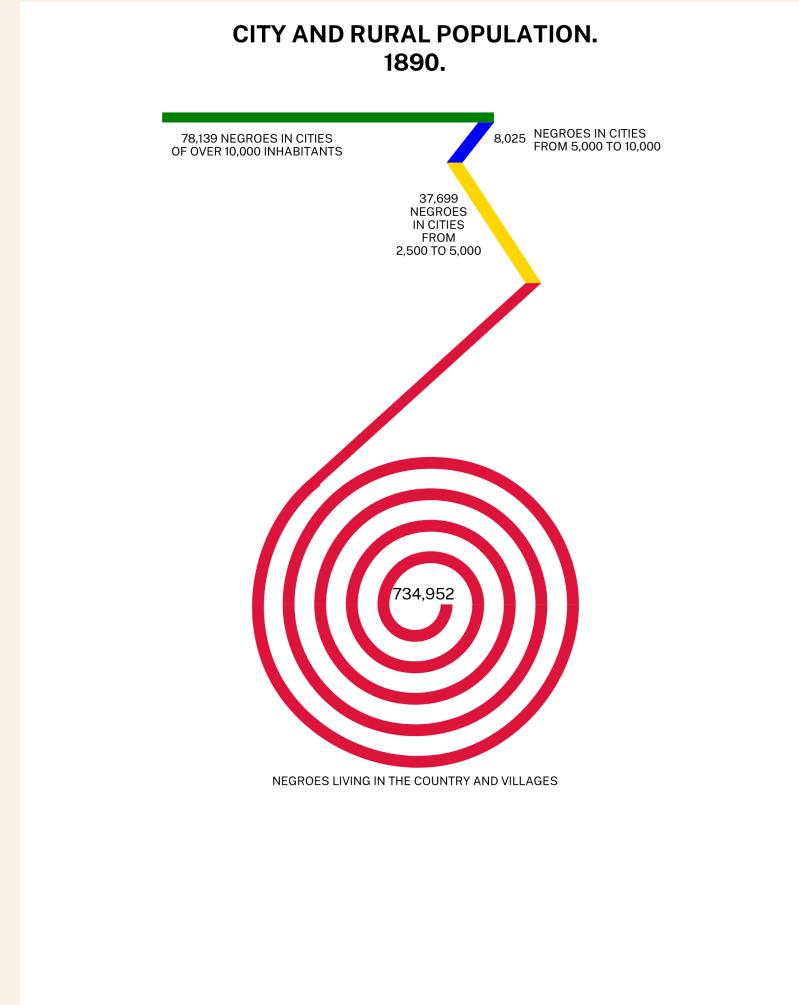
# Bars



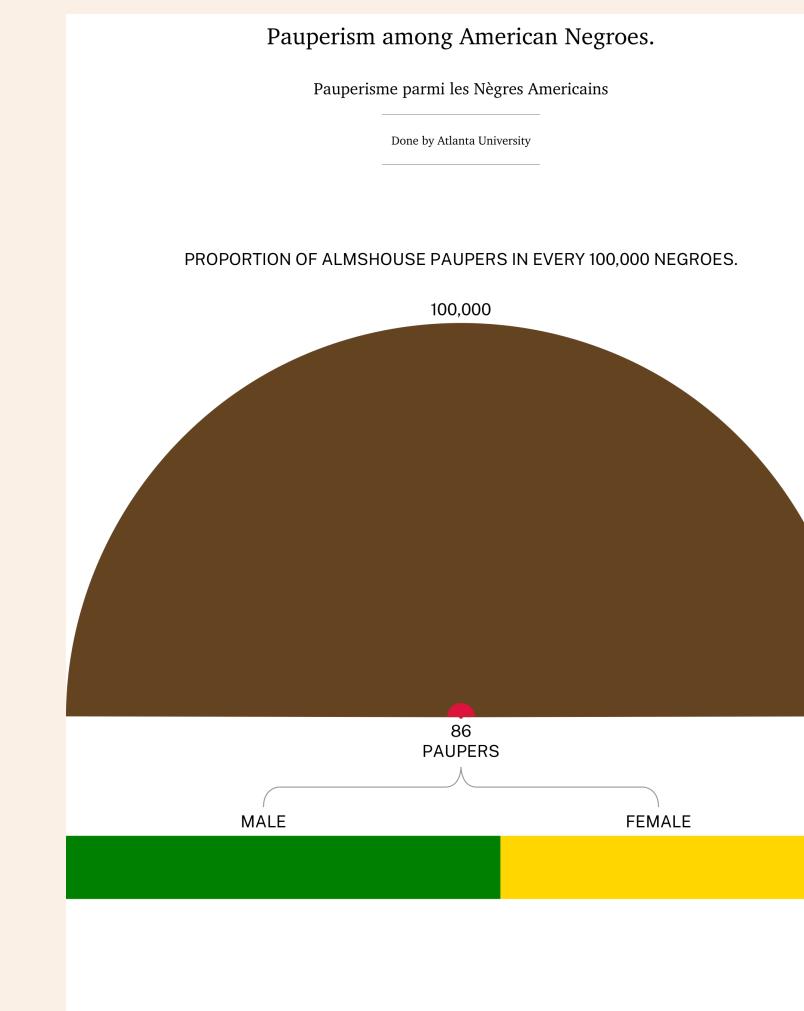
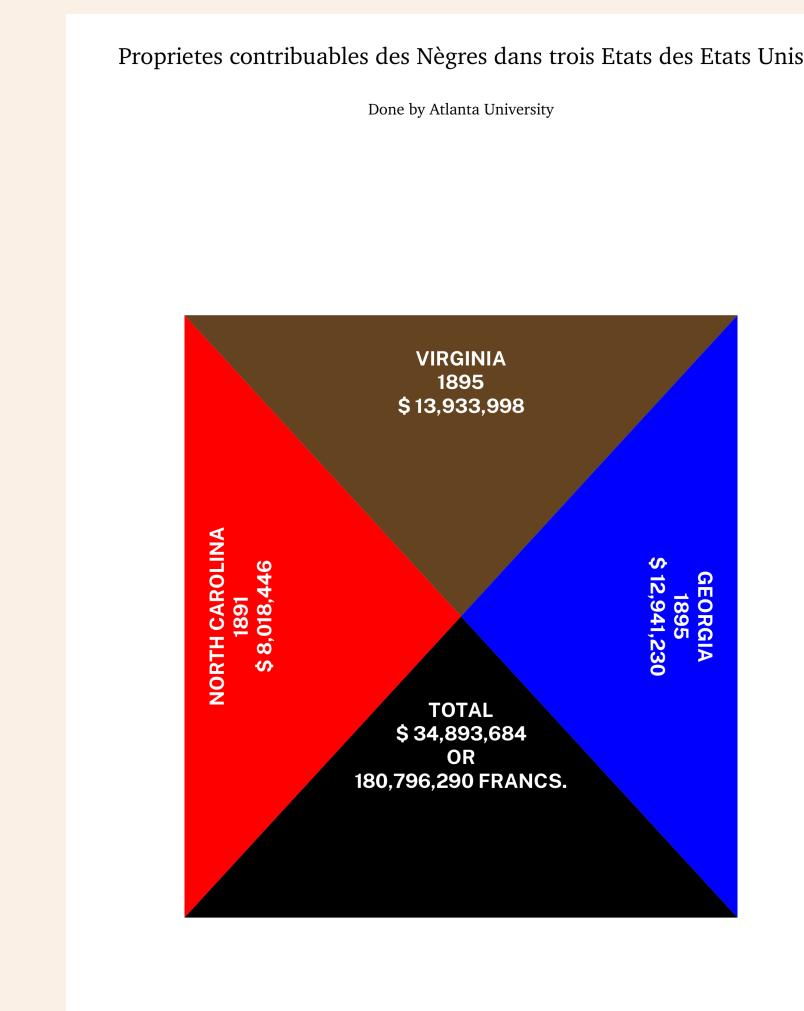
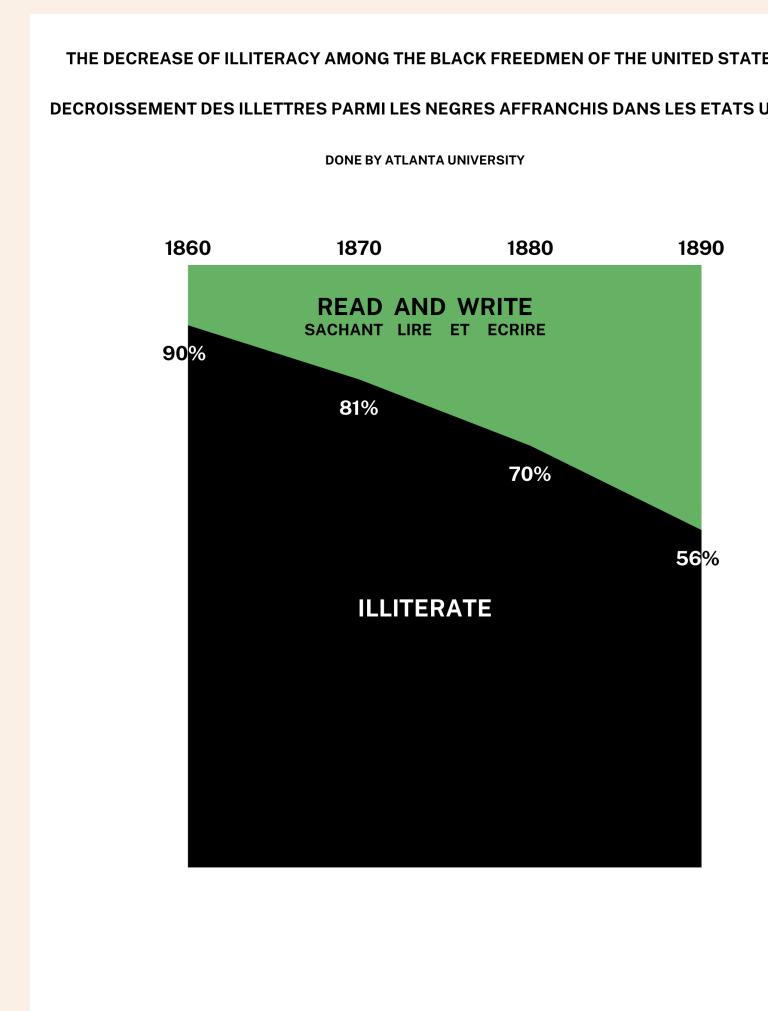
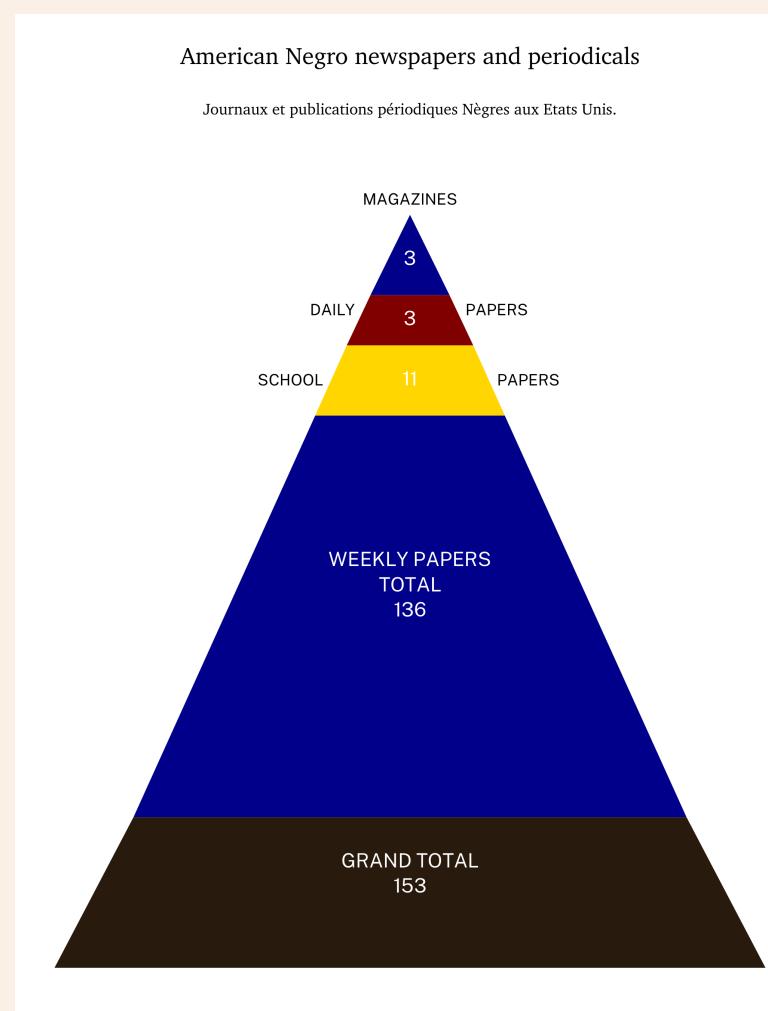
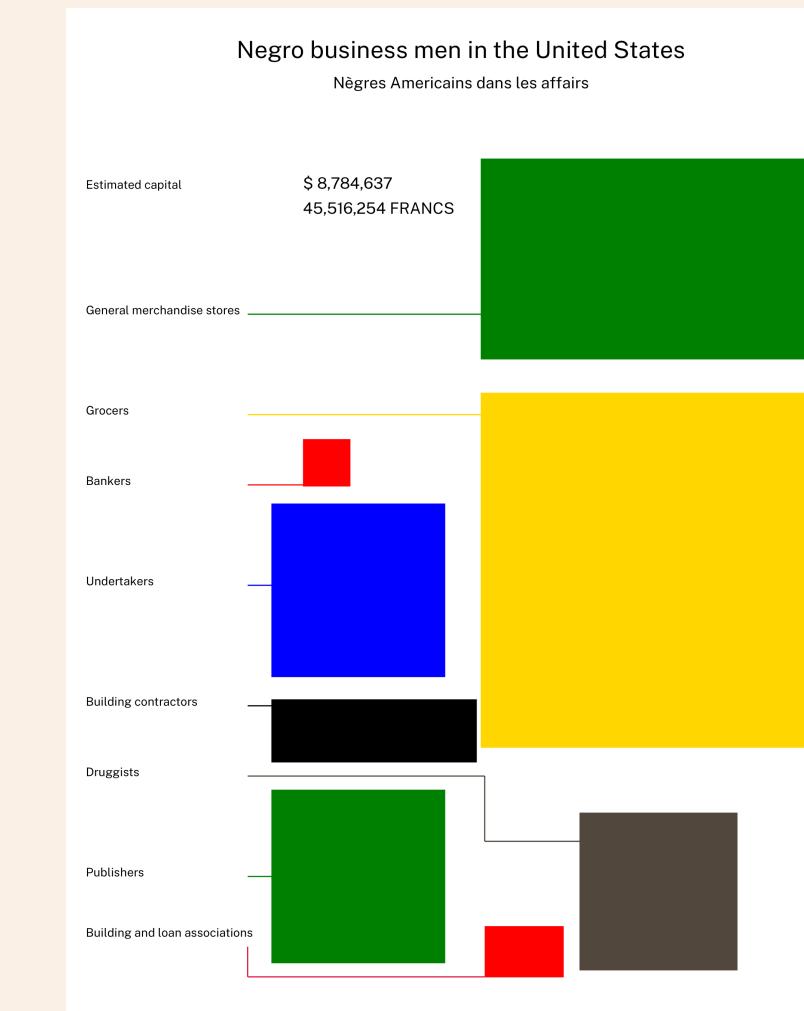
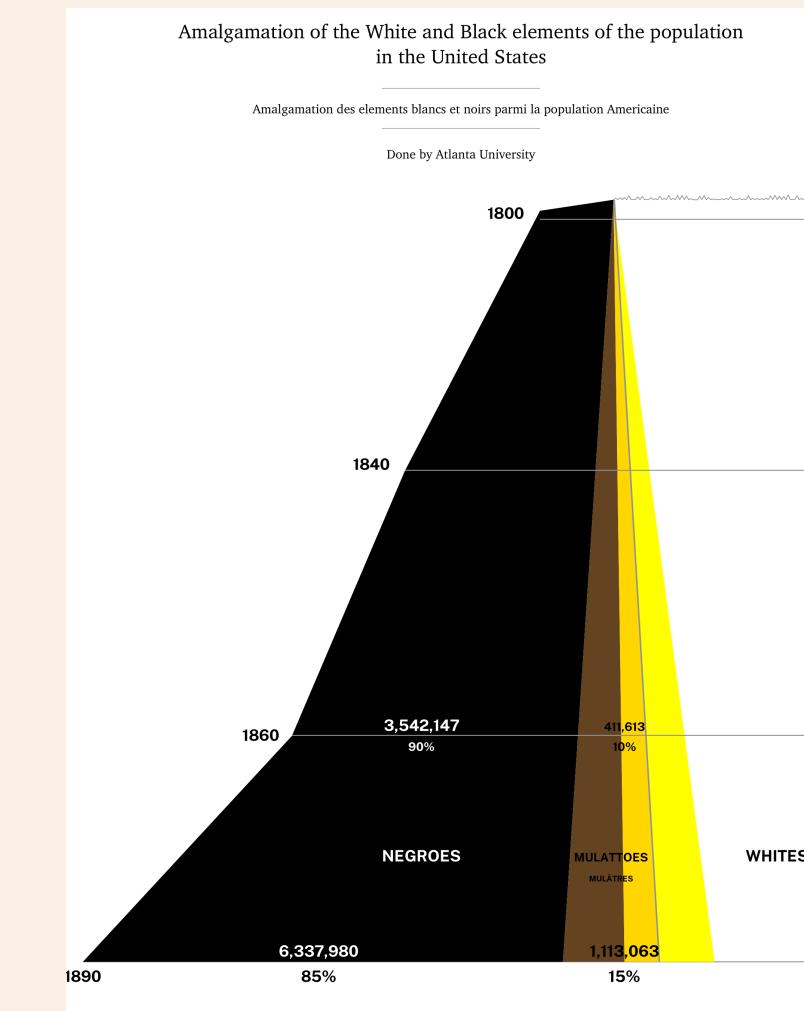
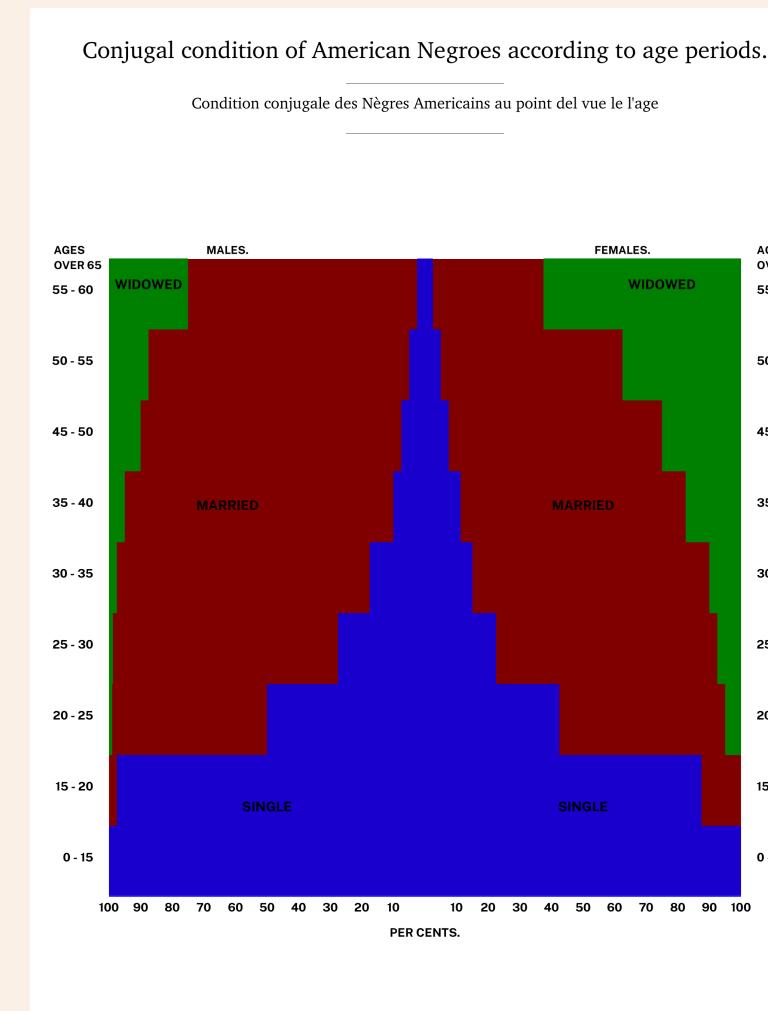
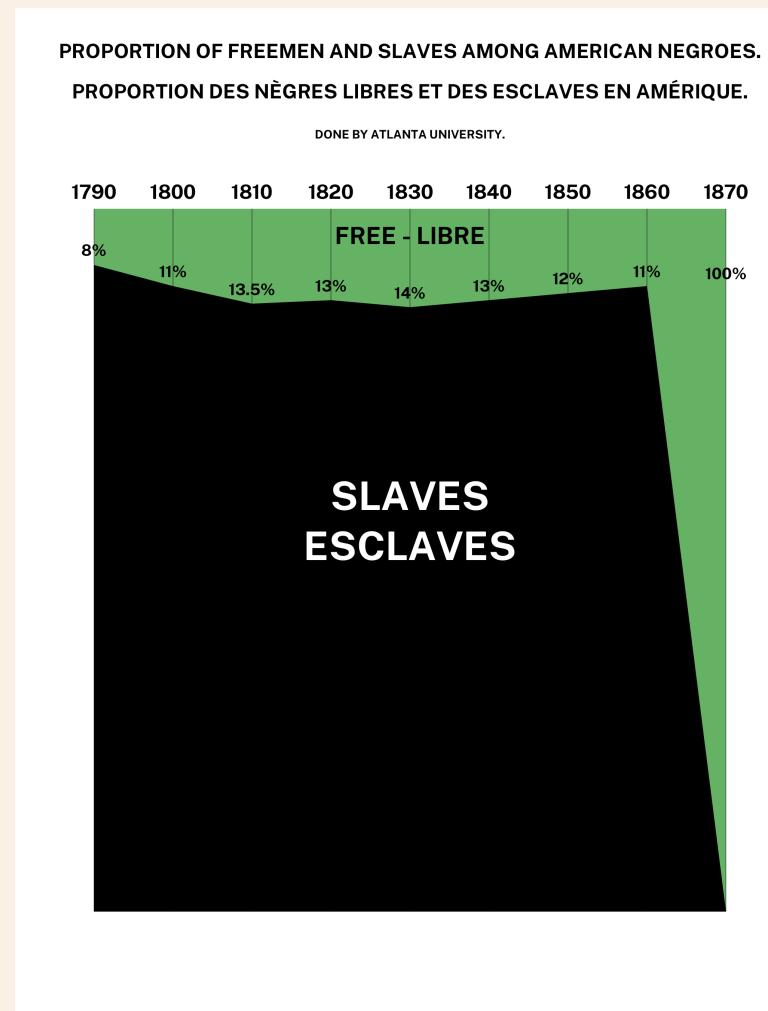
# Maps



# Circles

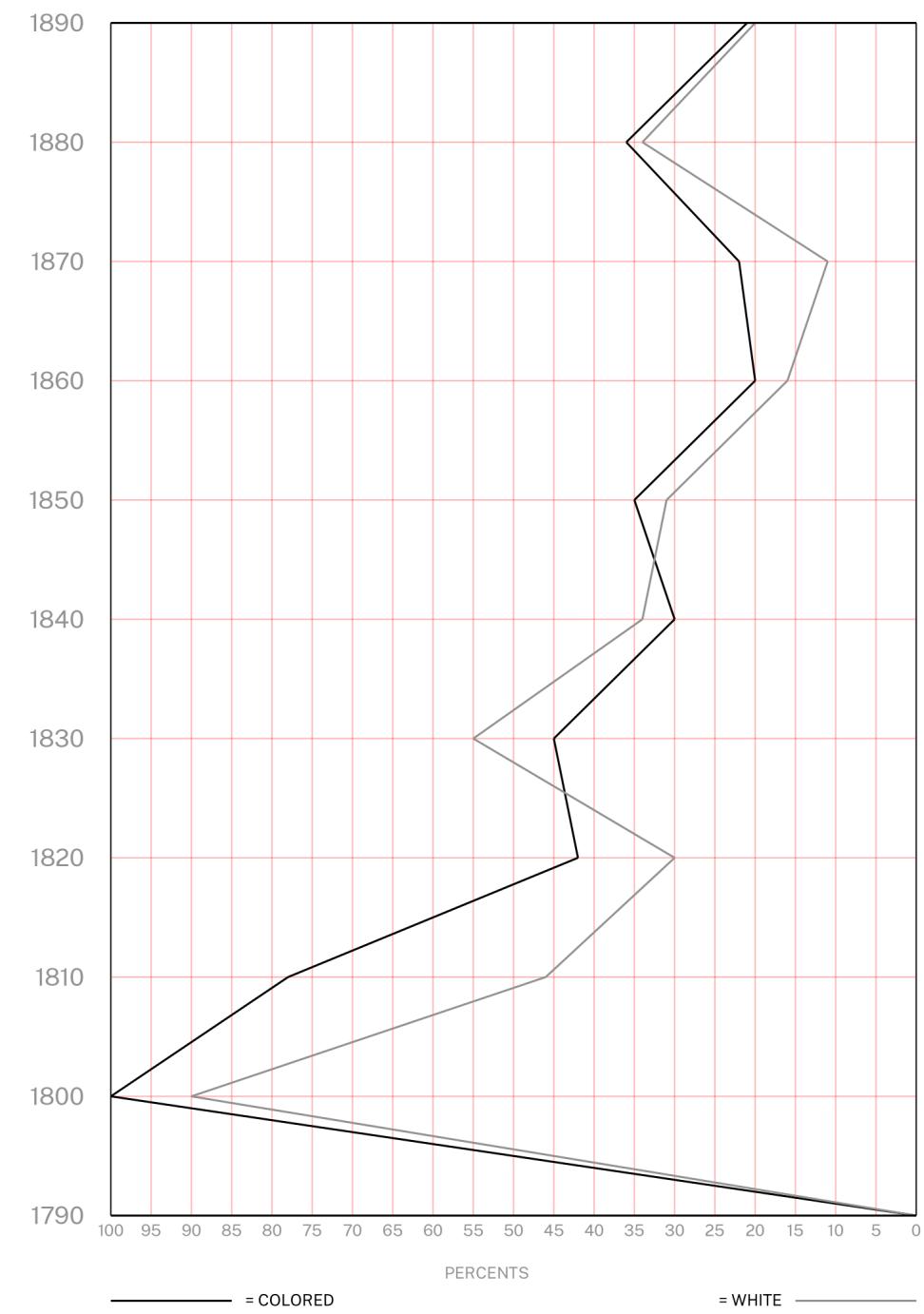


# Blocks

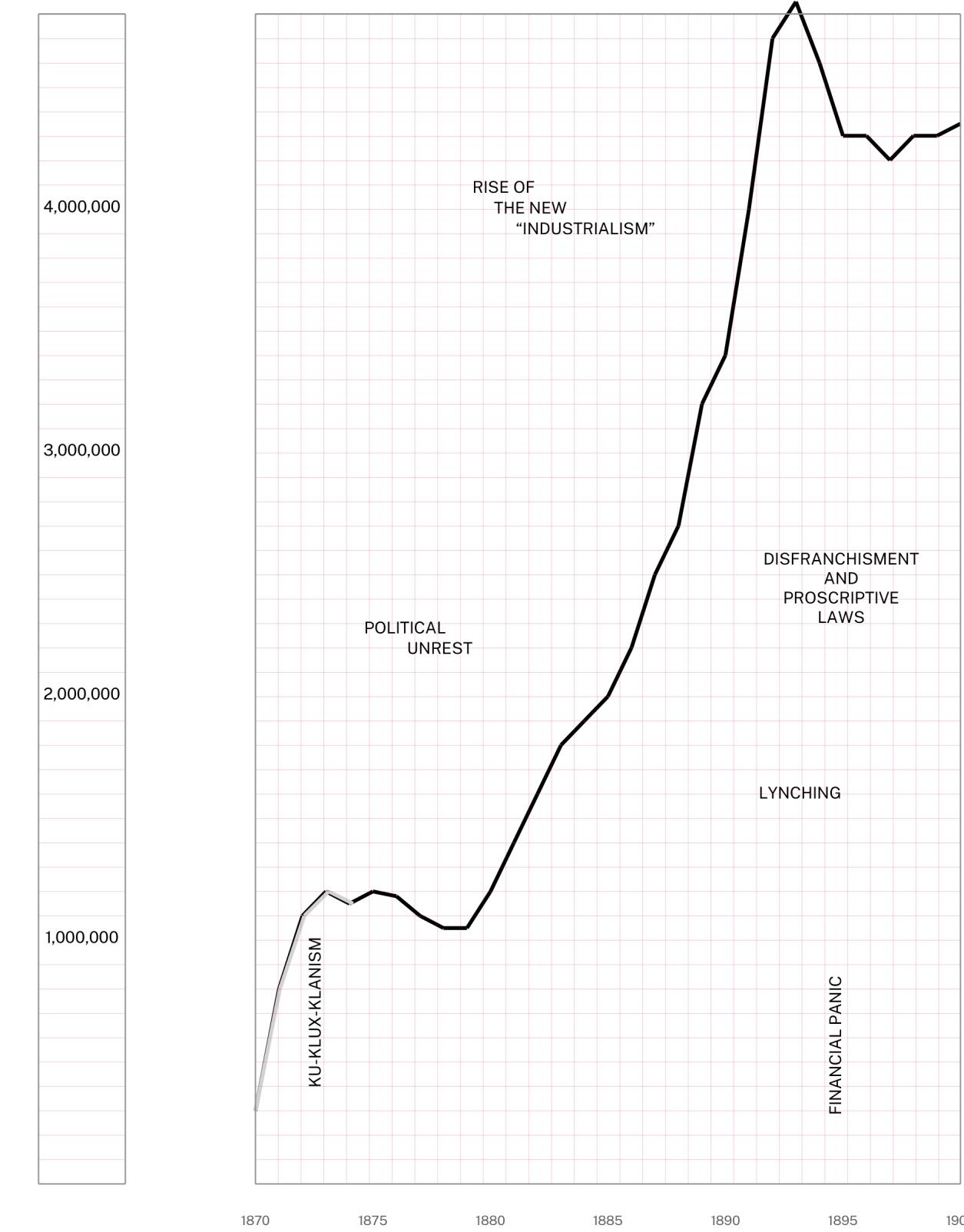


# Graphs

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

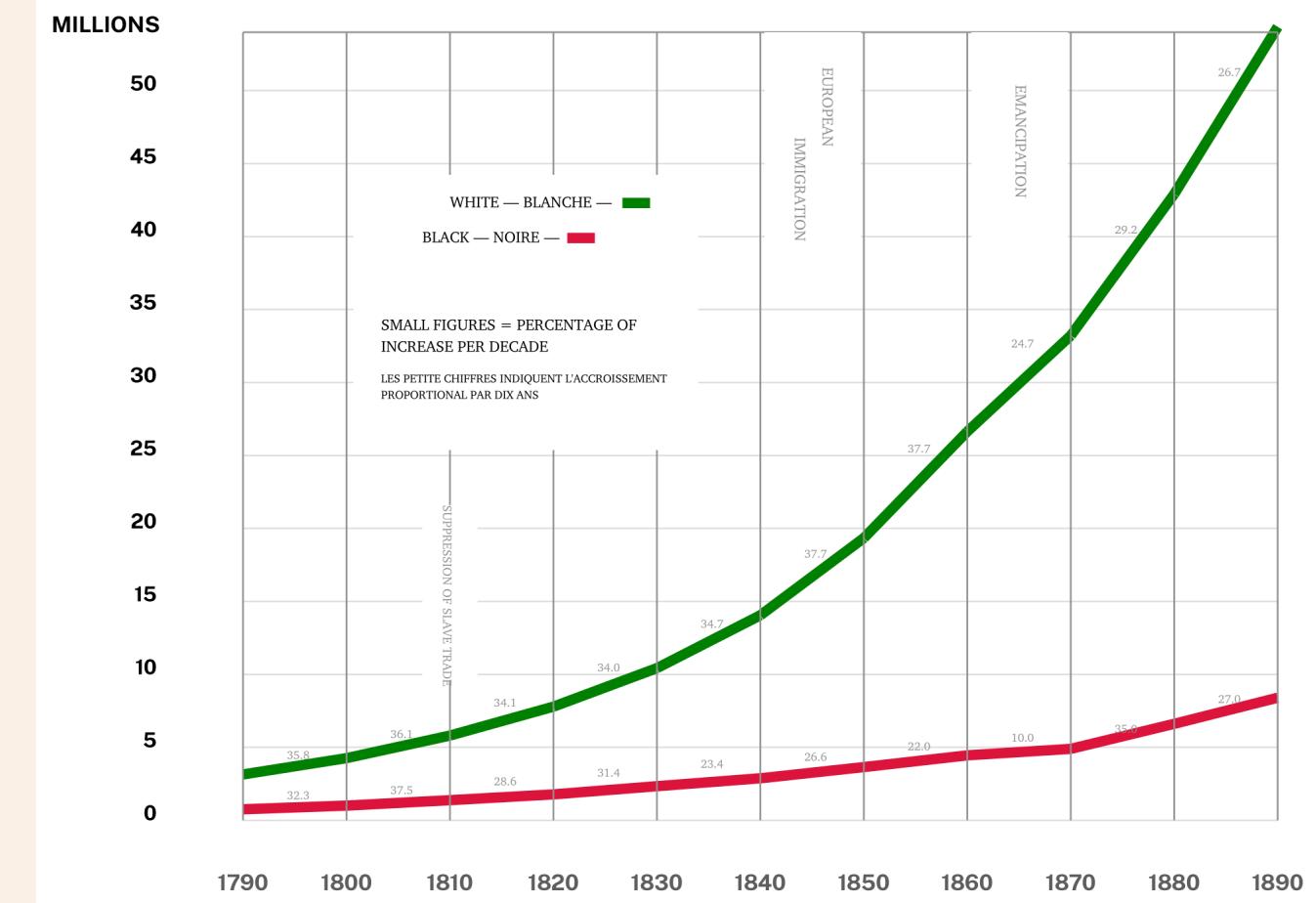


**VALUATION OF TOWN AND CITY PROPERTY OWNED BY GEORGIA NEGROES**



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

Accroissement proportionnel des éléments blancs et noirs aux Etats-Unis  
Done by Atlanta University



# Color Palette

black



#000000

brown



#654321

tan



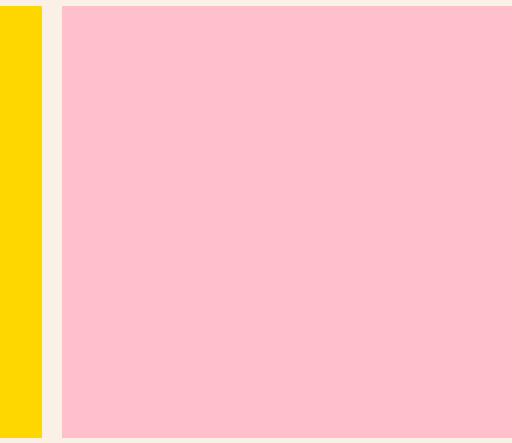
#d2b48c

gold



#ffd700

pink



#ffc0cb

red



#dc143c

green



#00aa00

blue



#4682b4

Typography

Public Sans

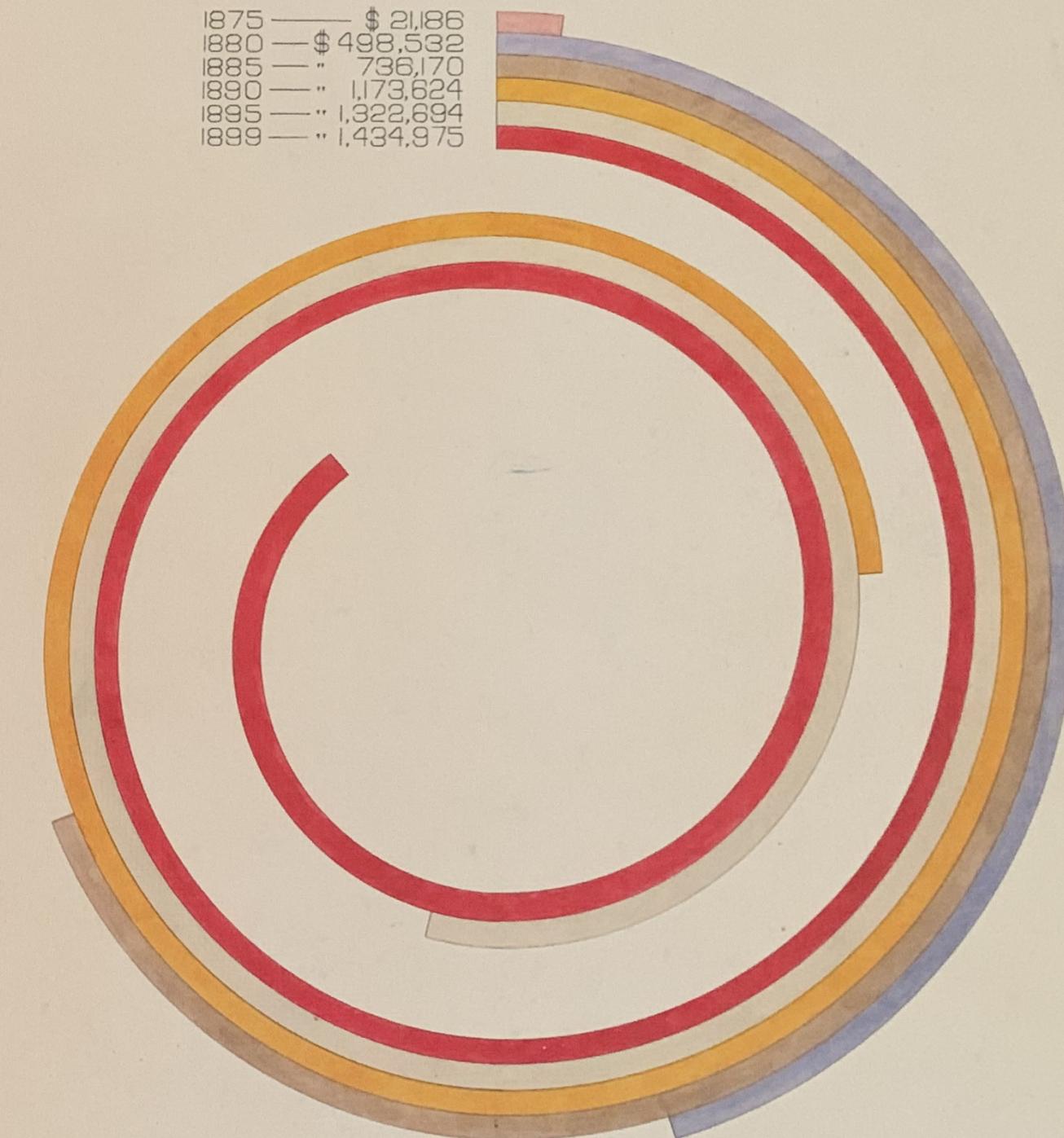
Charter

WILLIAM

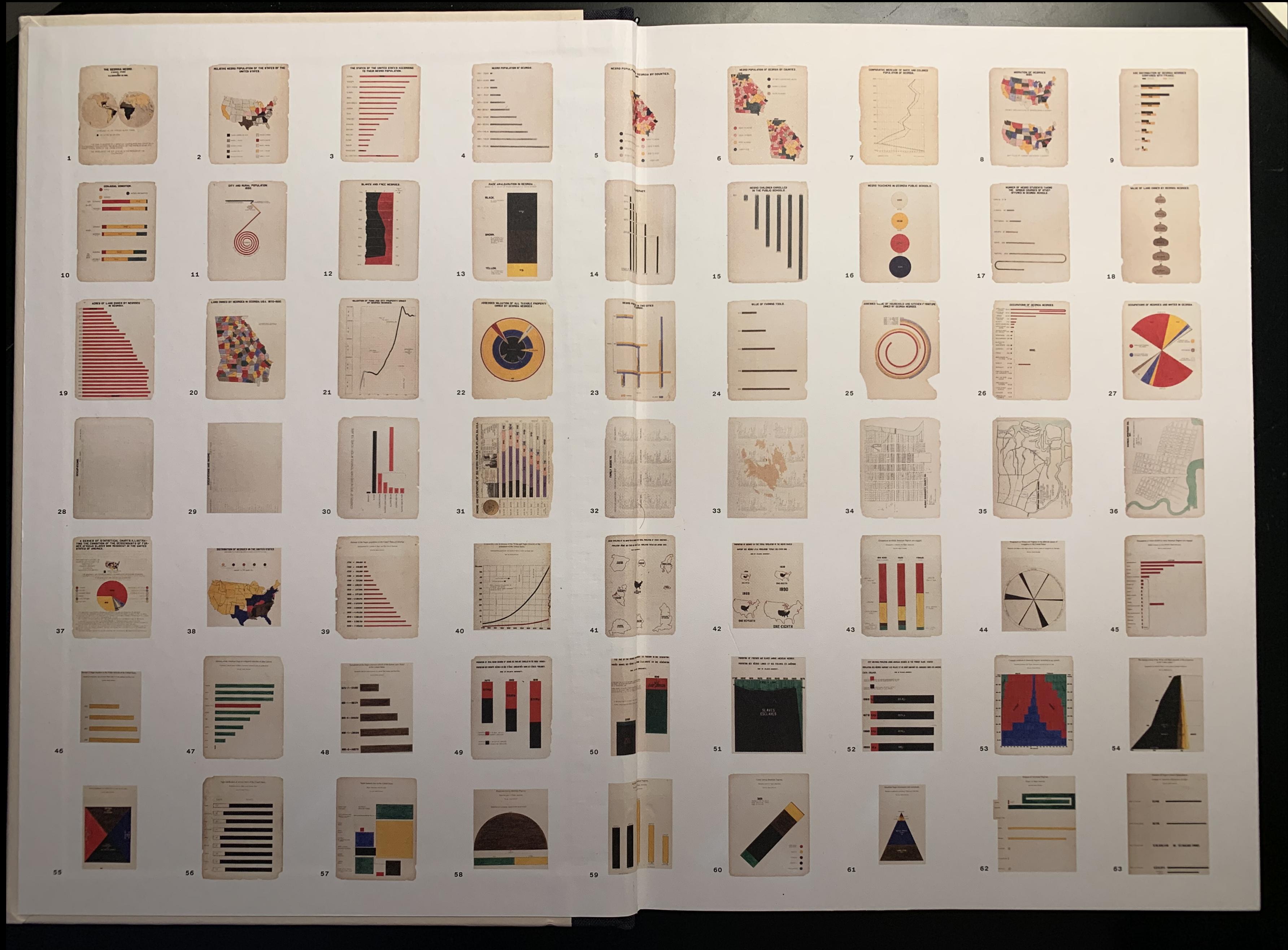
**W. E. B. Du Bois's Data Portraits**  
**Visualizing Black America**

THE COLOR LINE AT THE TURN OF THE TWENTIETH CENTURY

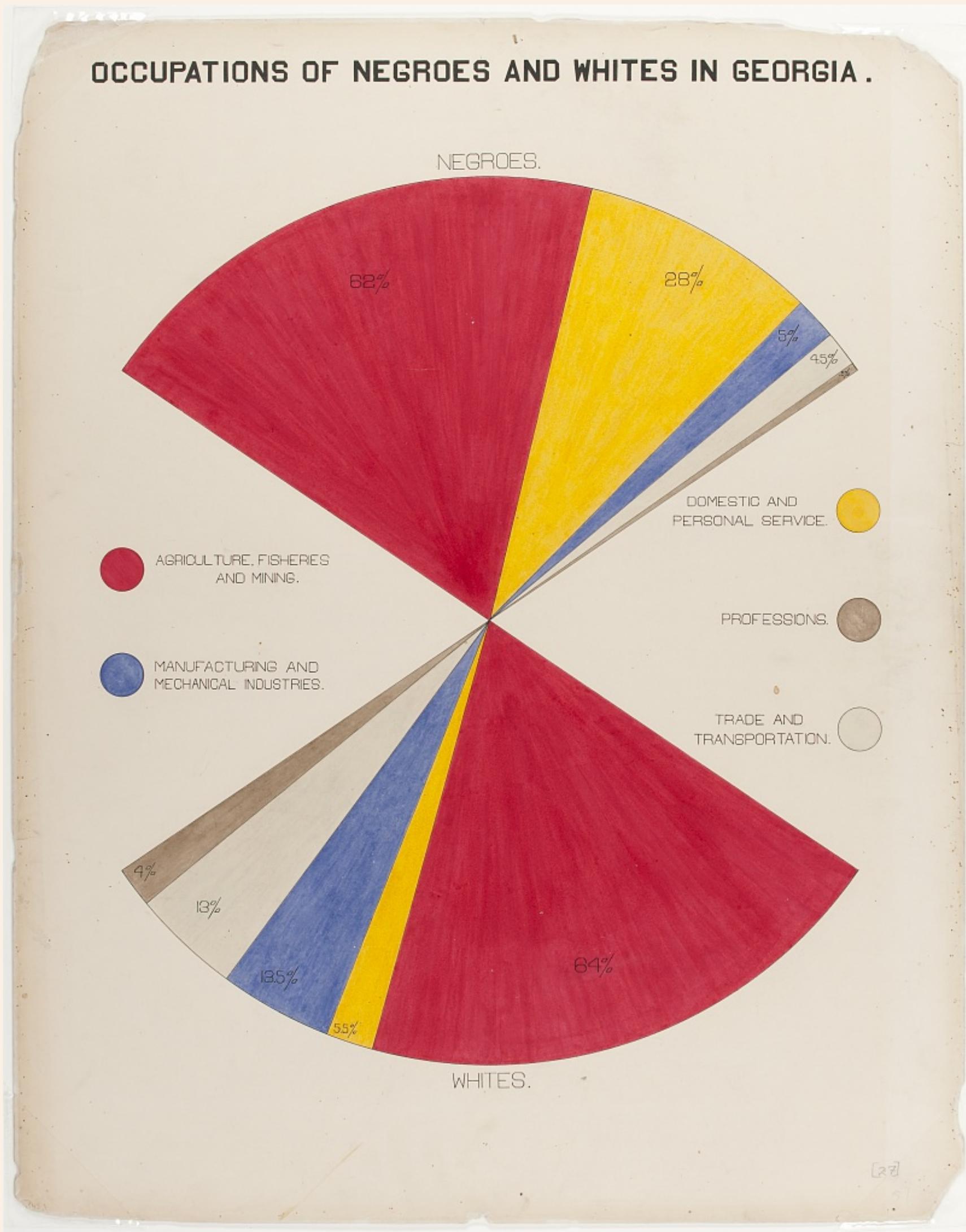
1875 — \$ 21,86  
1880 — \$ 498,582  
1885 — " 786,170  
1890 — " 1,173,624  
1895 — " 1,322,894  
1899 — " 1,434,975



WHITNEY BATTLE-BAPTISTE and BRITT RUSERT, editors

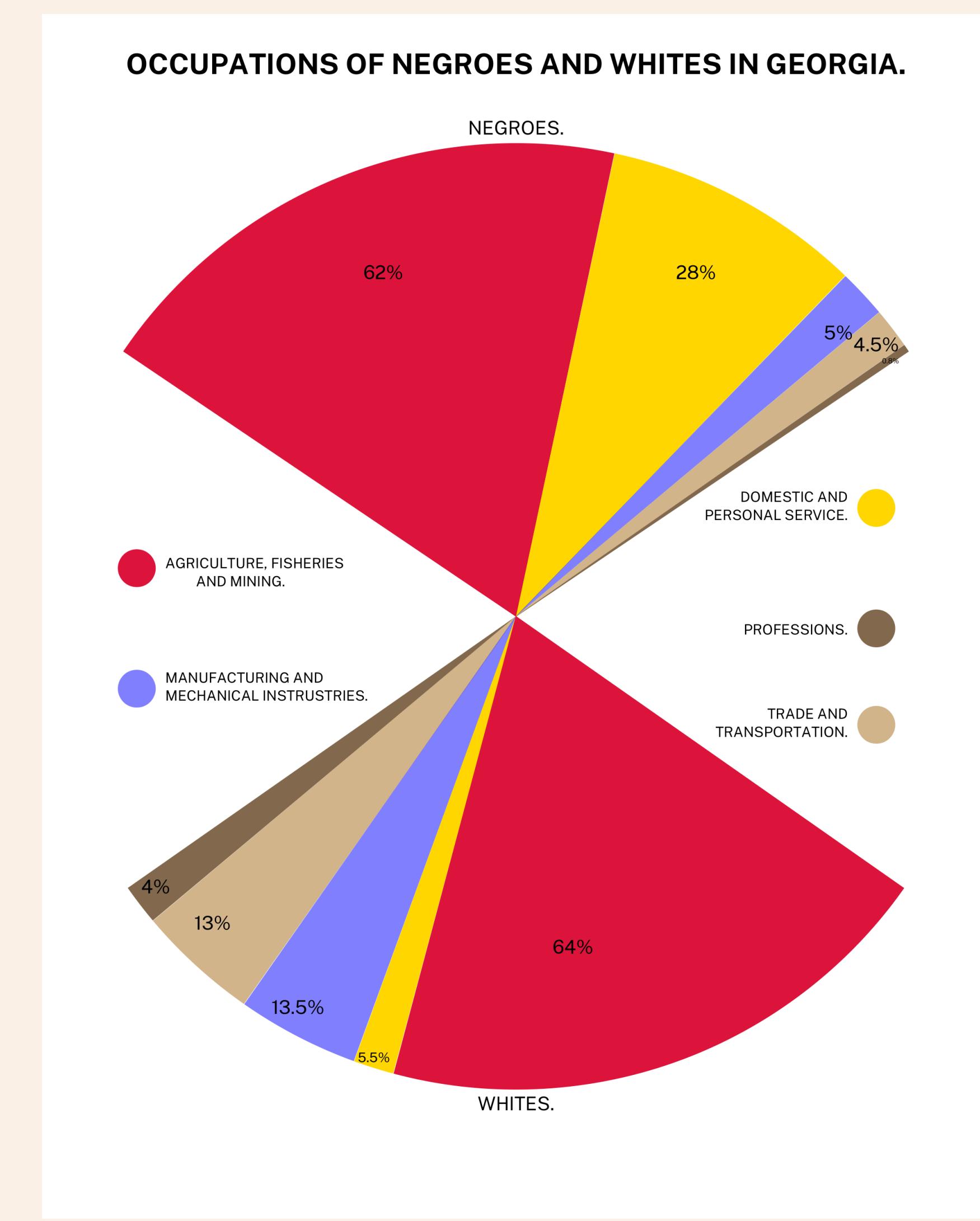


# Pen, Ink, Watercolor, Paper, Expos

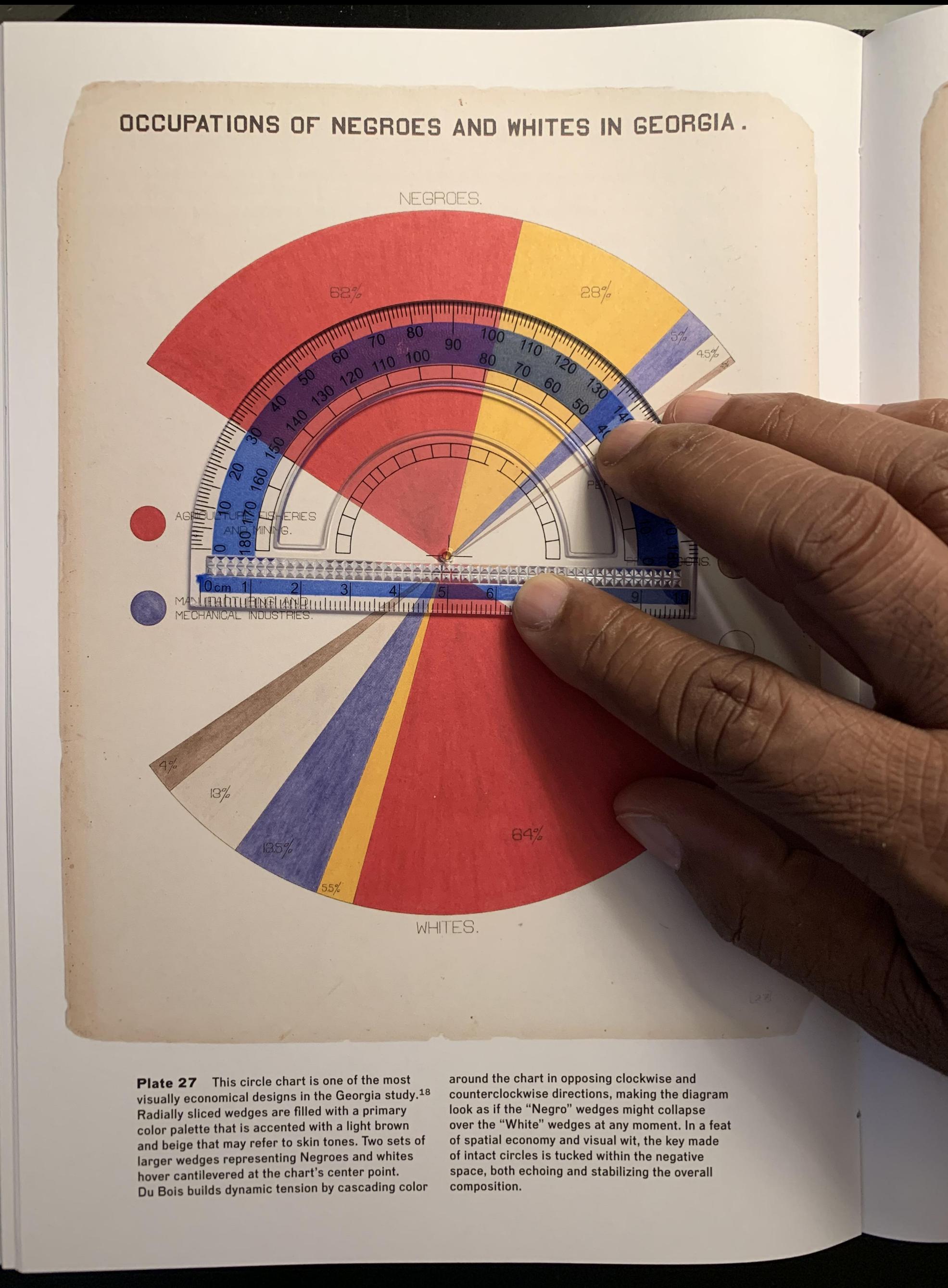
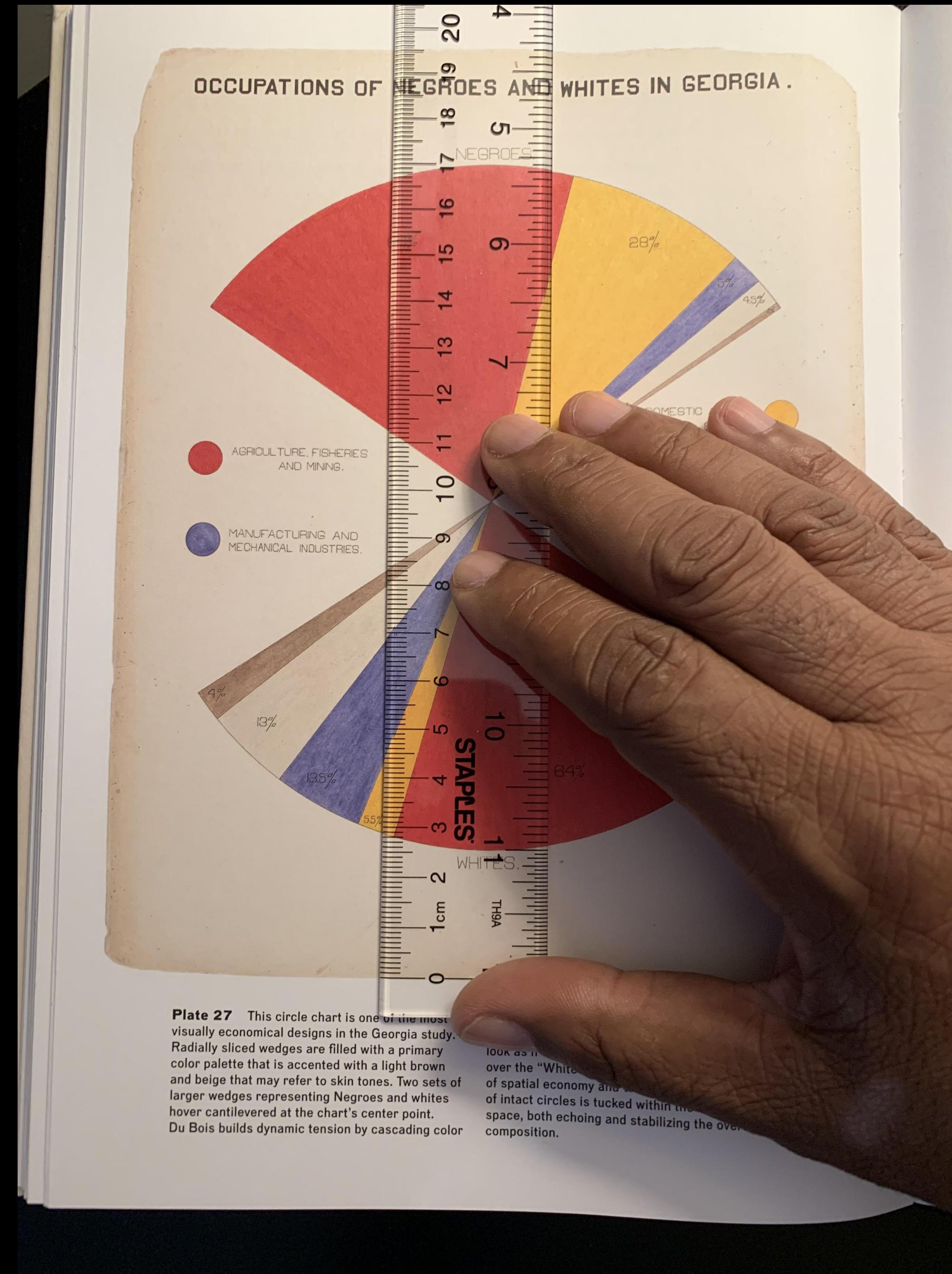


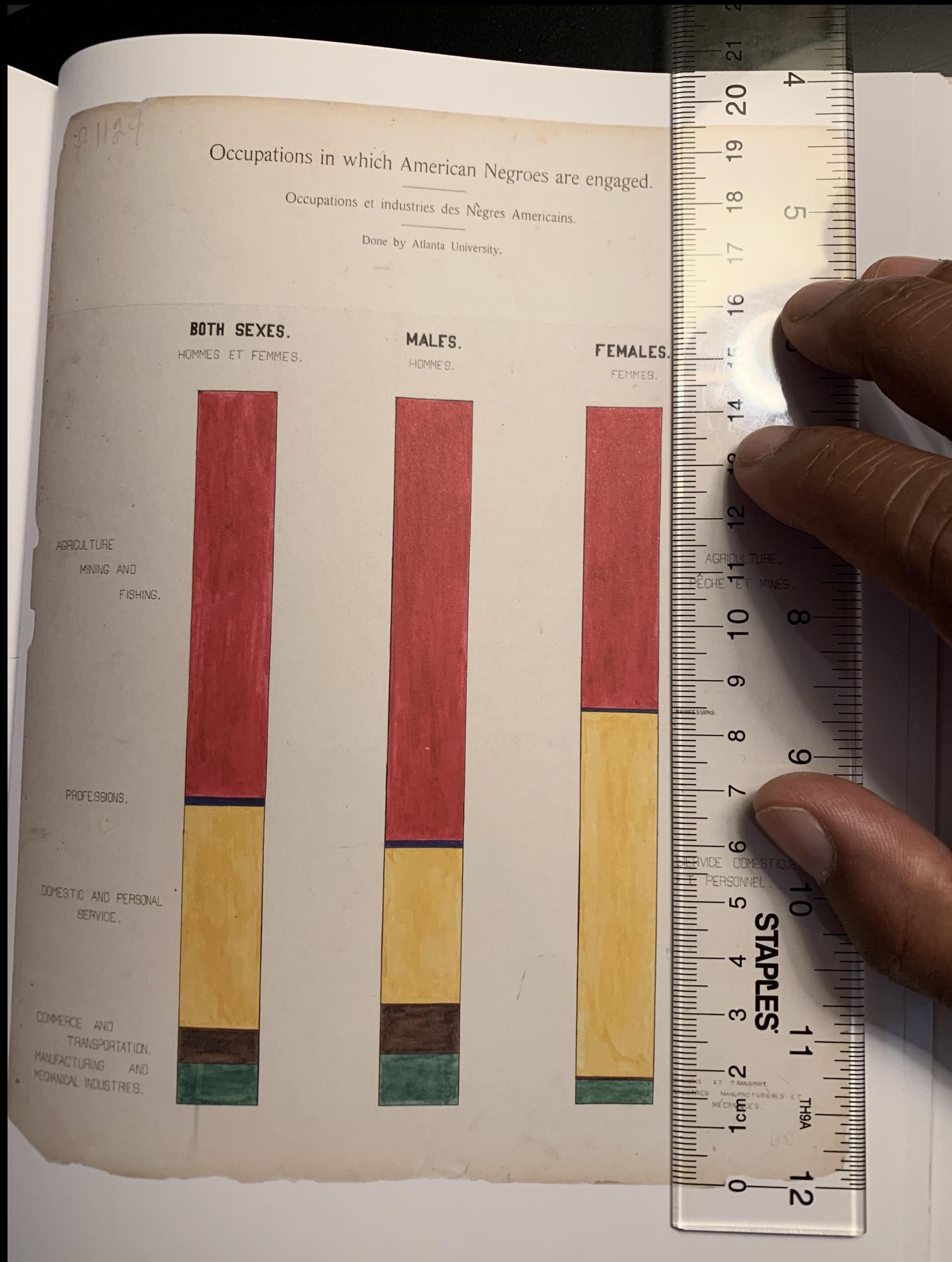
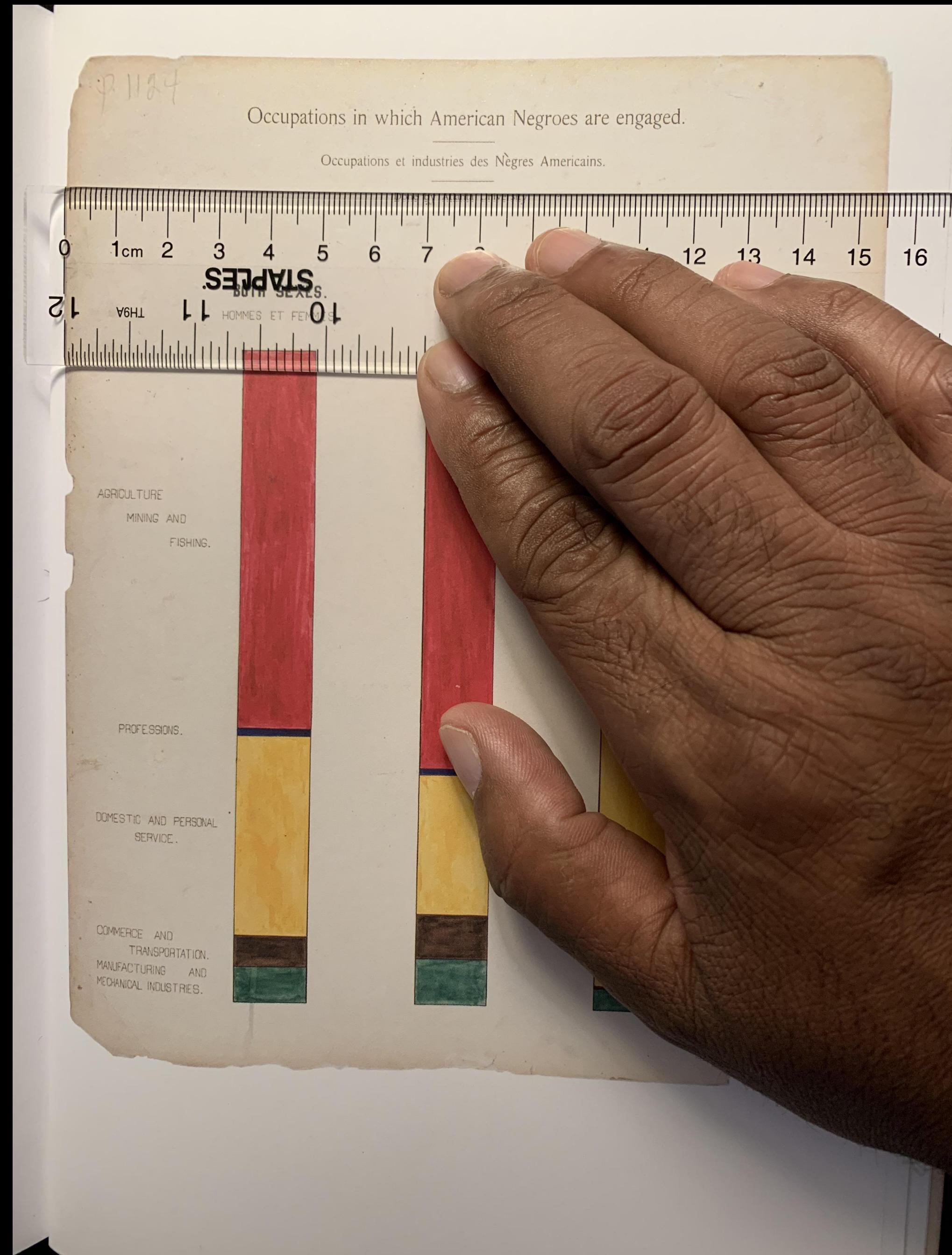
1900

# Scripting, Digital Fonts, PDF, Internet

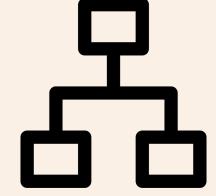


2019





# decksh

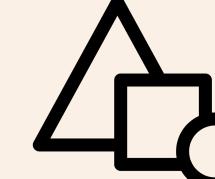
 **Structure**

 **Text**

 **Lists**

 **Arrows**

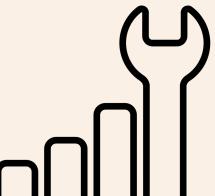
 **Images**

 **Graphics**

 **Charts**

 **Loops**

 **Data**

 **Utility**

# Percent Grid

90

80

70

60

50

40

30

20

10

10

20

30

40

50

60

70

80

90

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
etext " DOMESTIC AND" cx2 59.5 legsize
etext "PERSONAL SERVICE." cx2 58 legsize

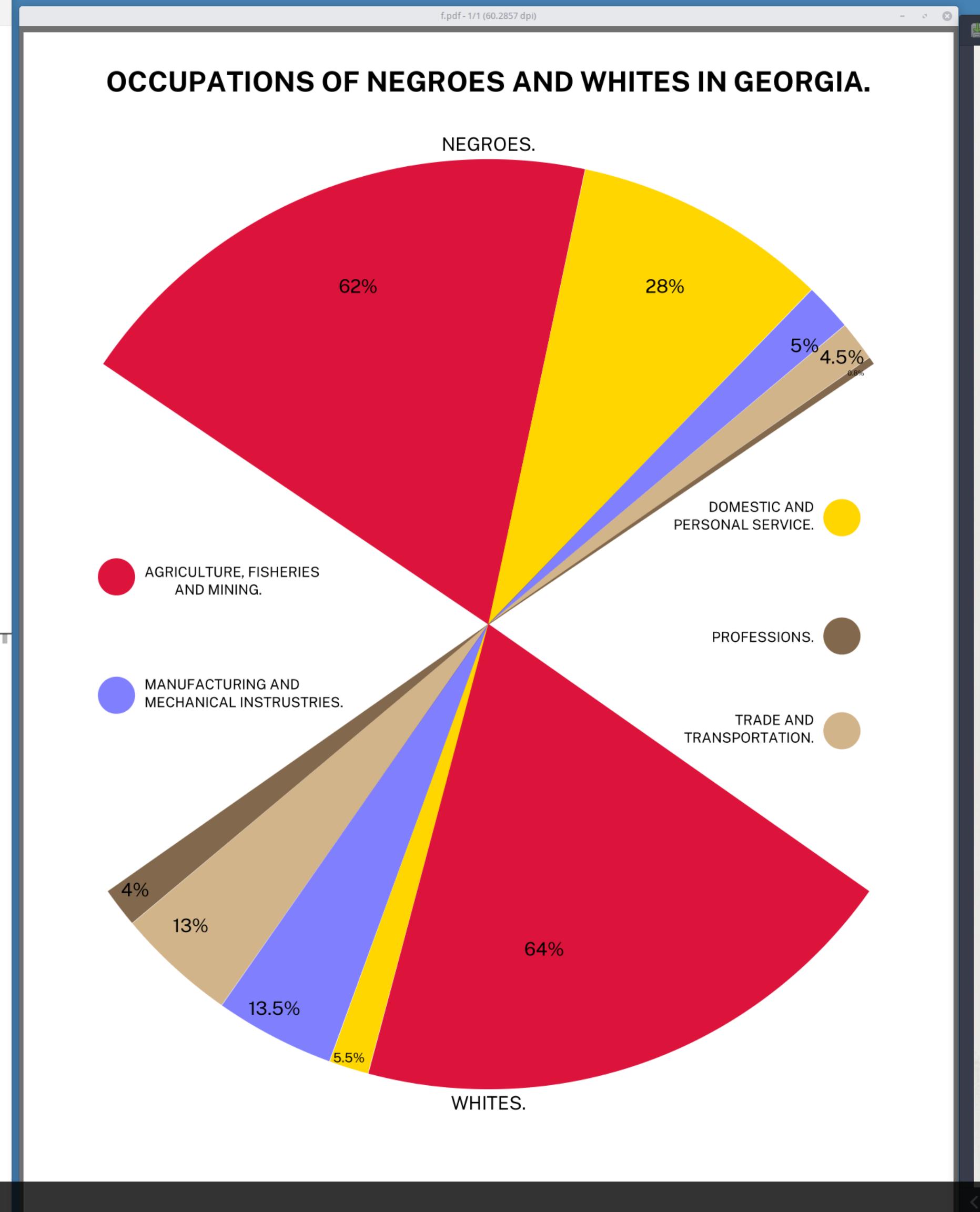
etext "PROFESSIONS." cx2 48.5 legsize

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

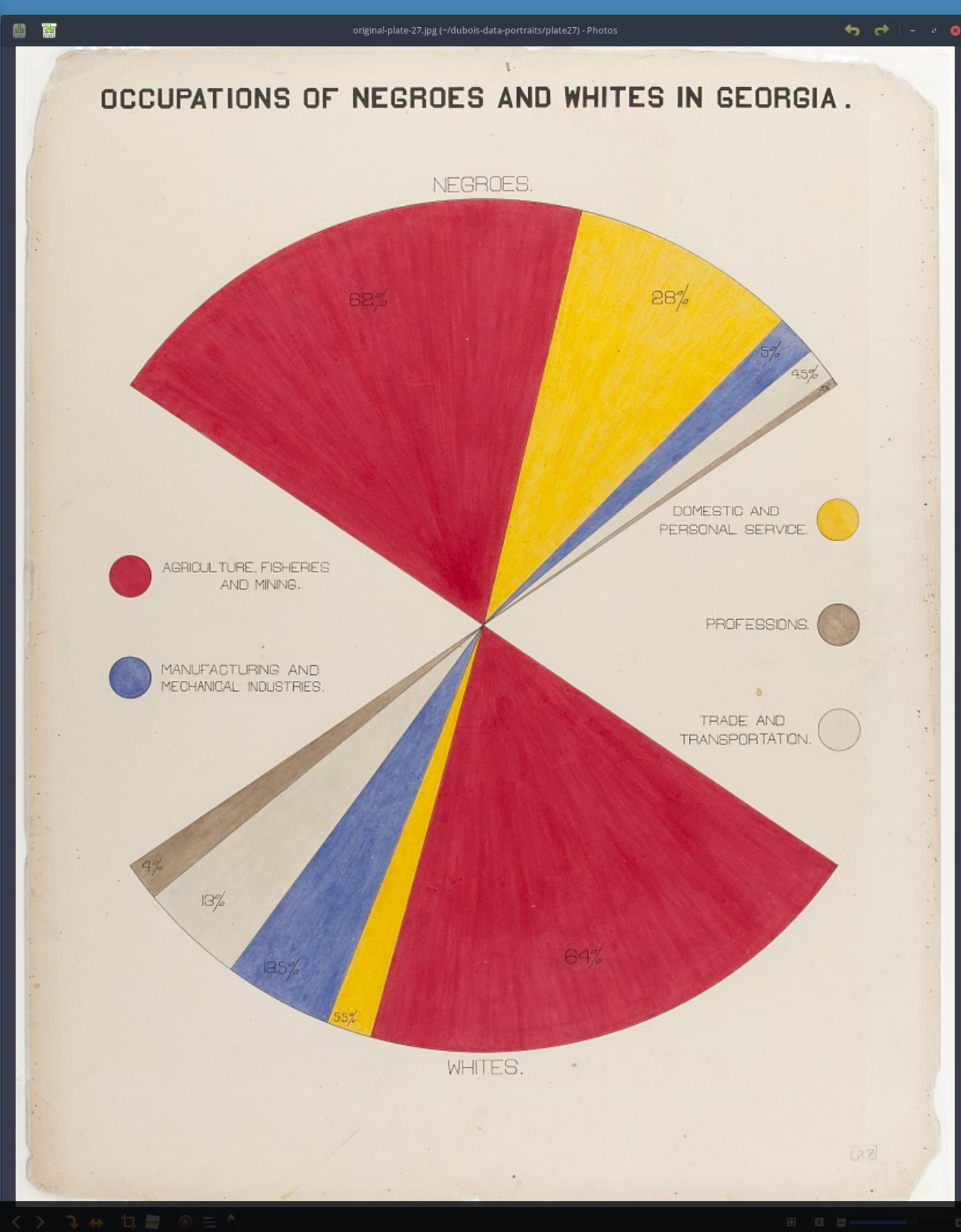
eslide
edeck

```



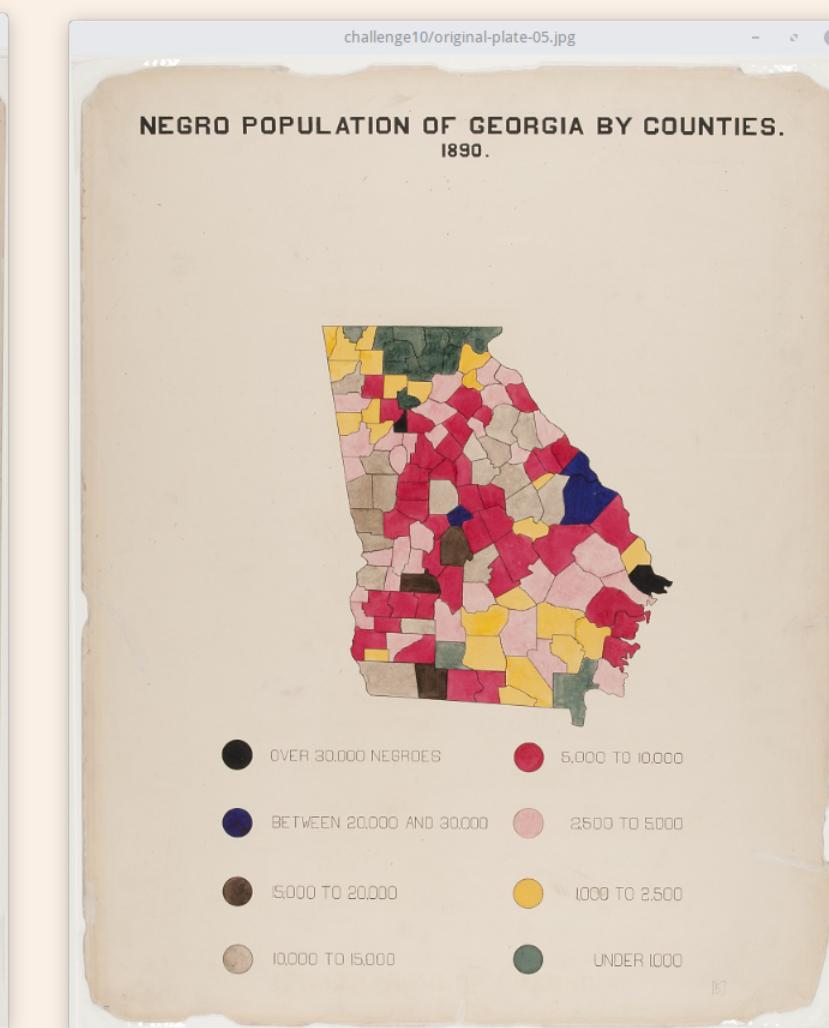
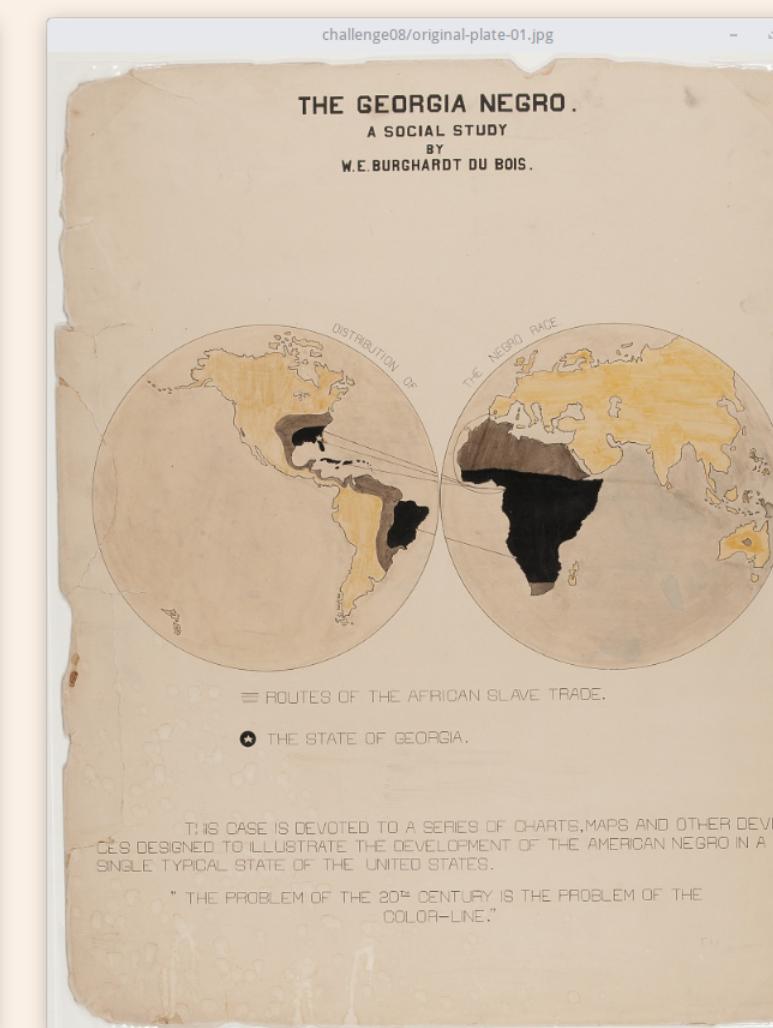
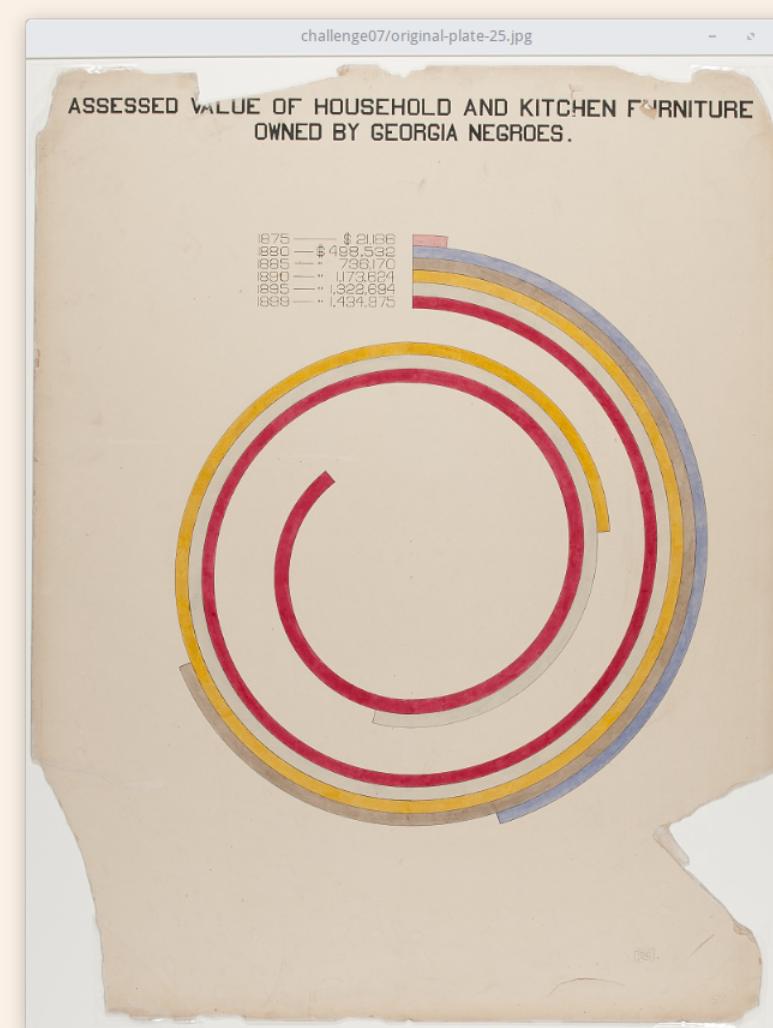
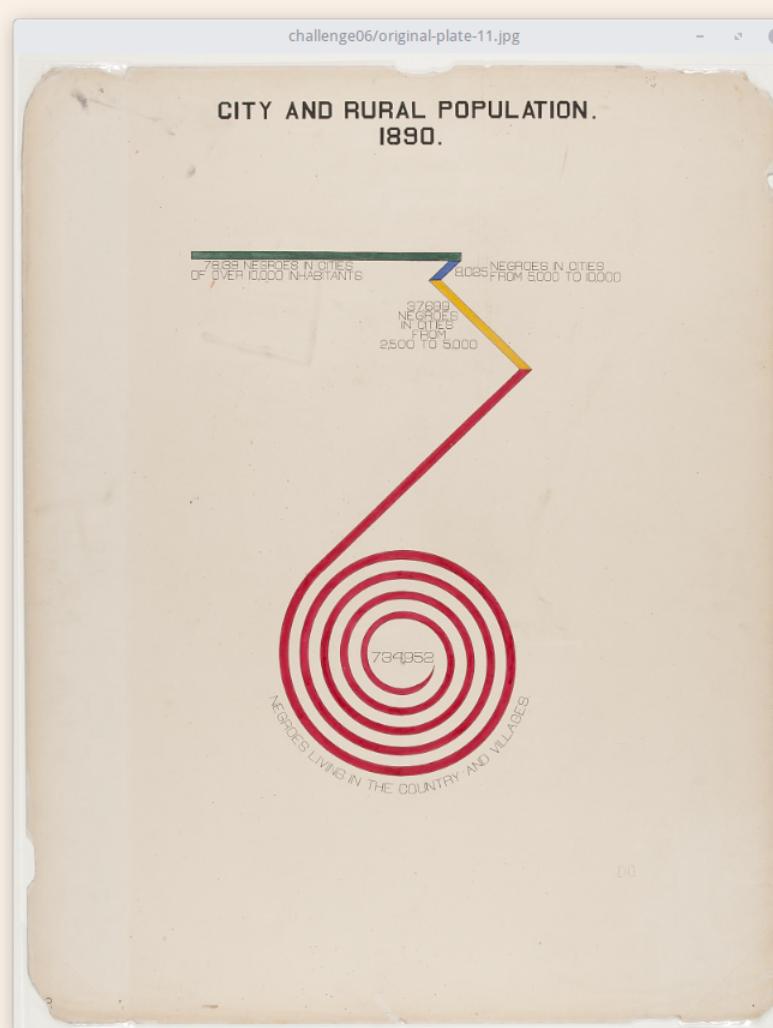
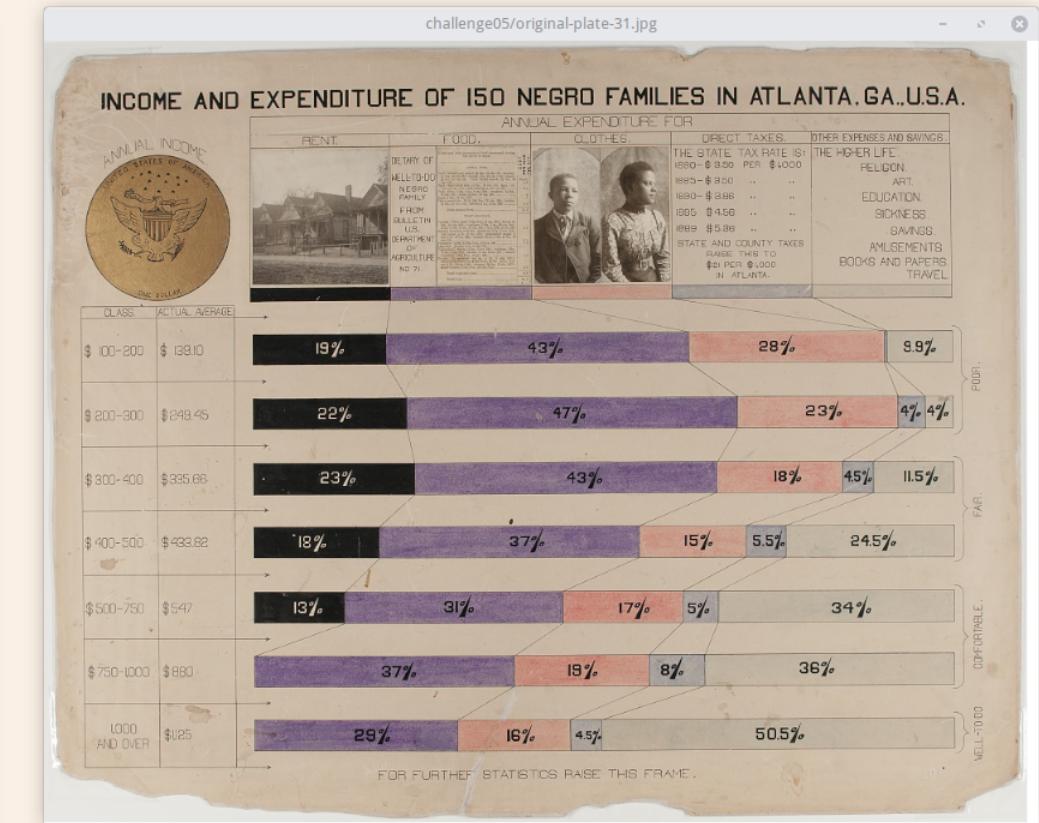
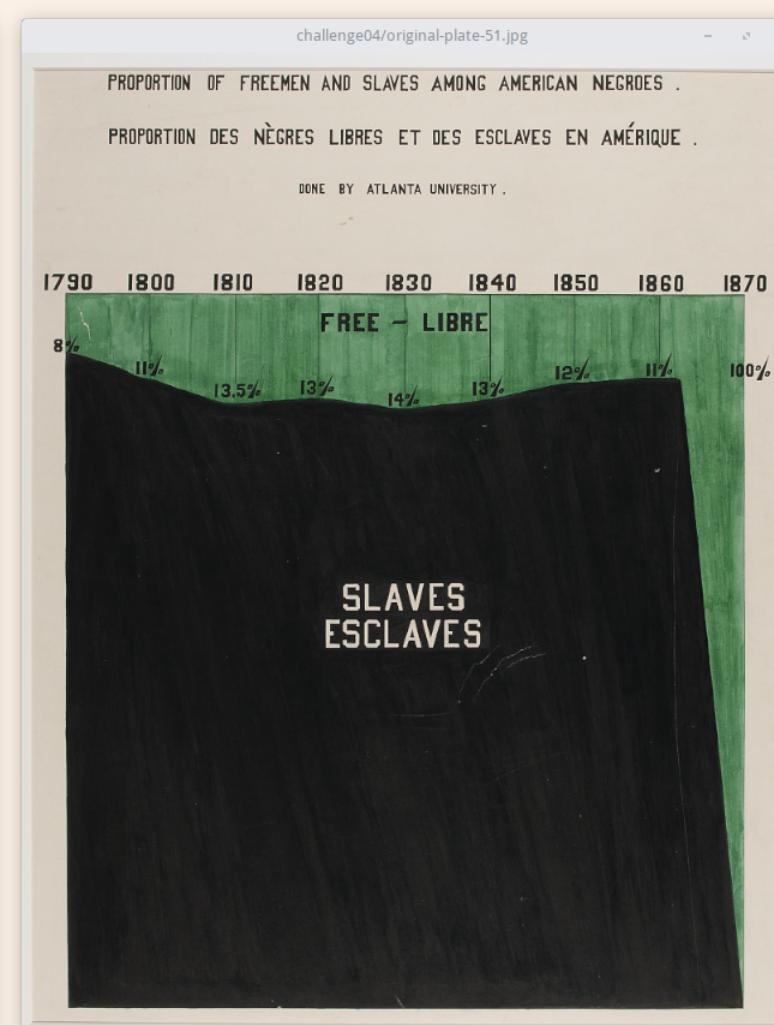
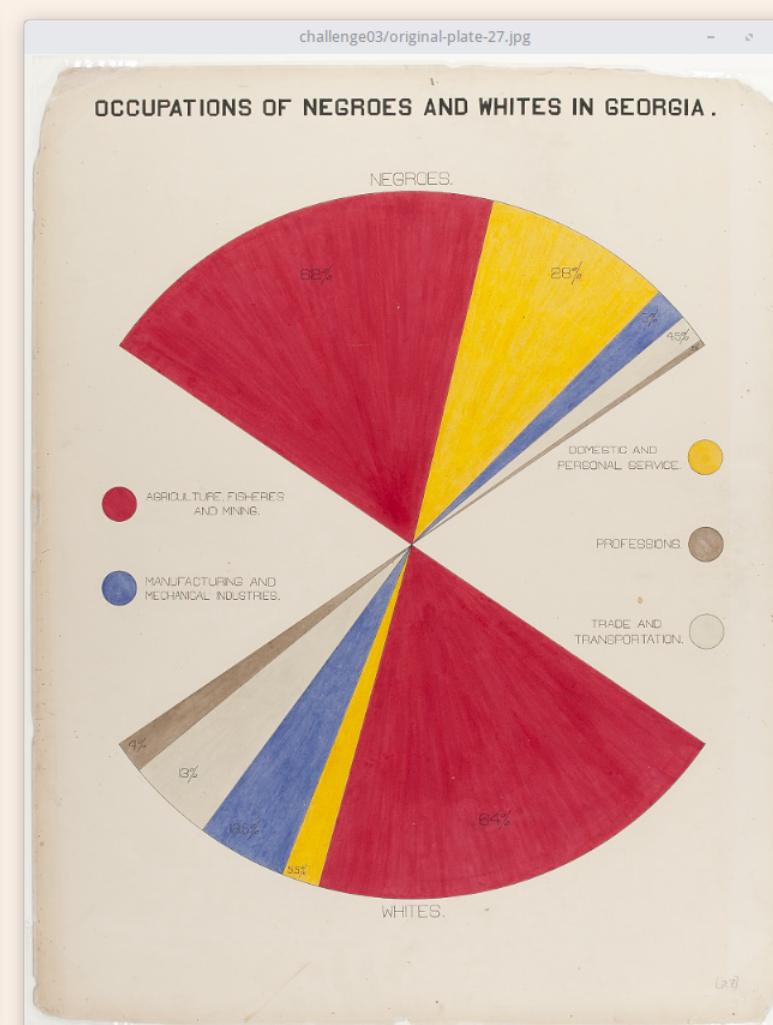
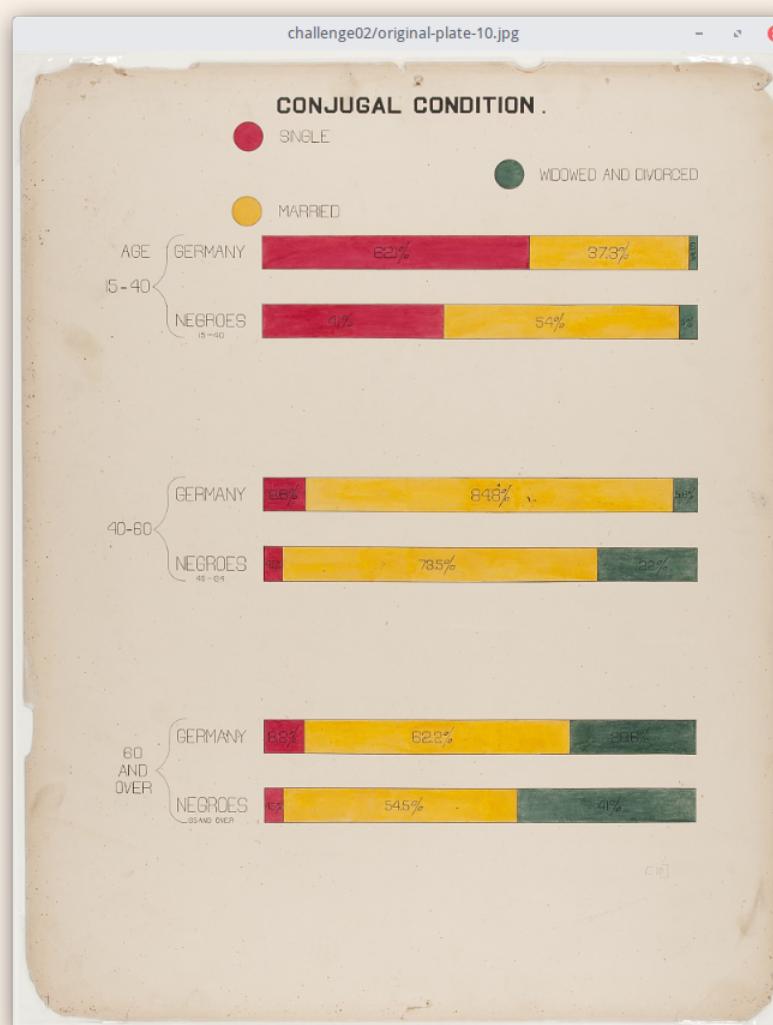
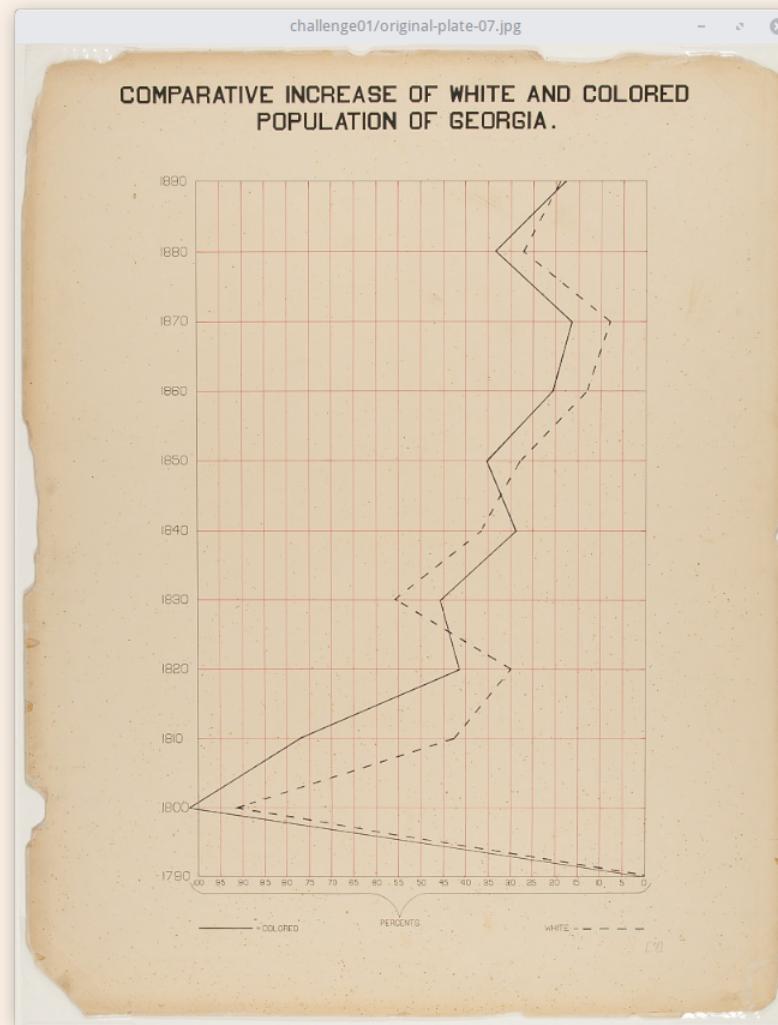
Code

Output

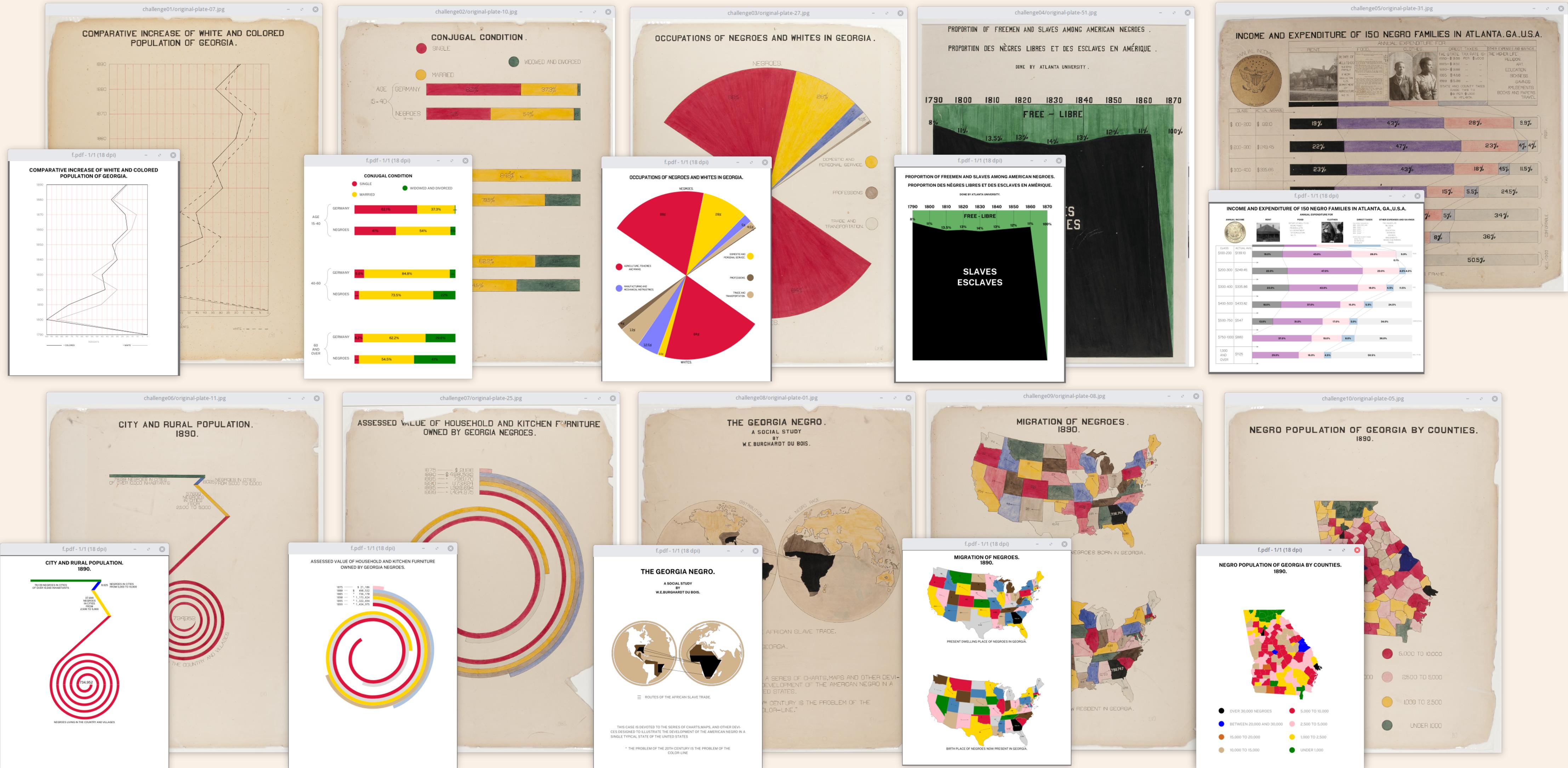


Reference

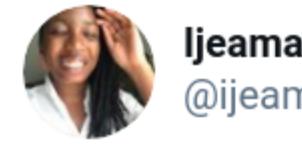
# #DuboisChallenge



# #DuboisChallenge



# #DuboisChallenge



Ijeamaka A  
@ijeamaka\_a

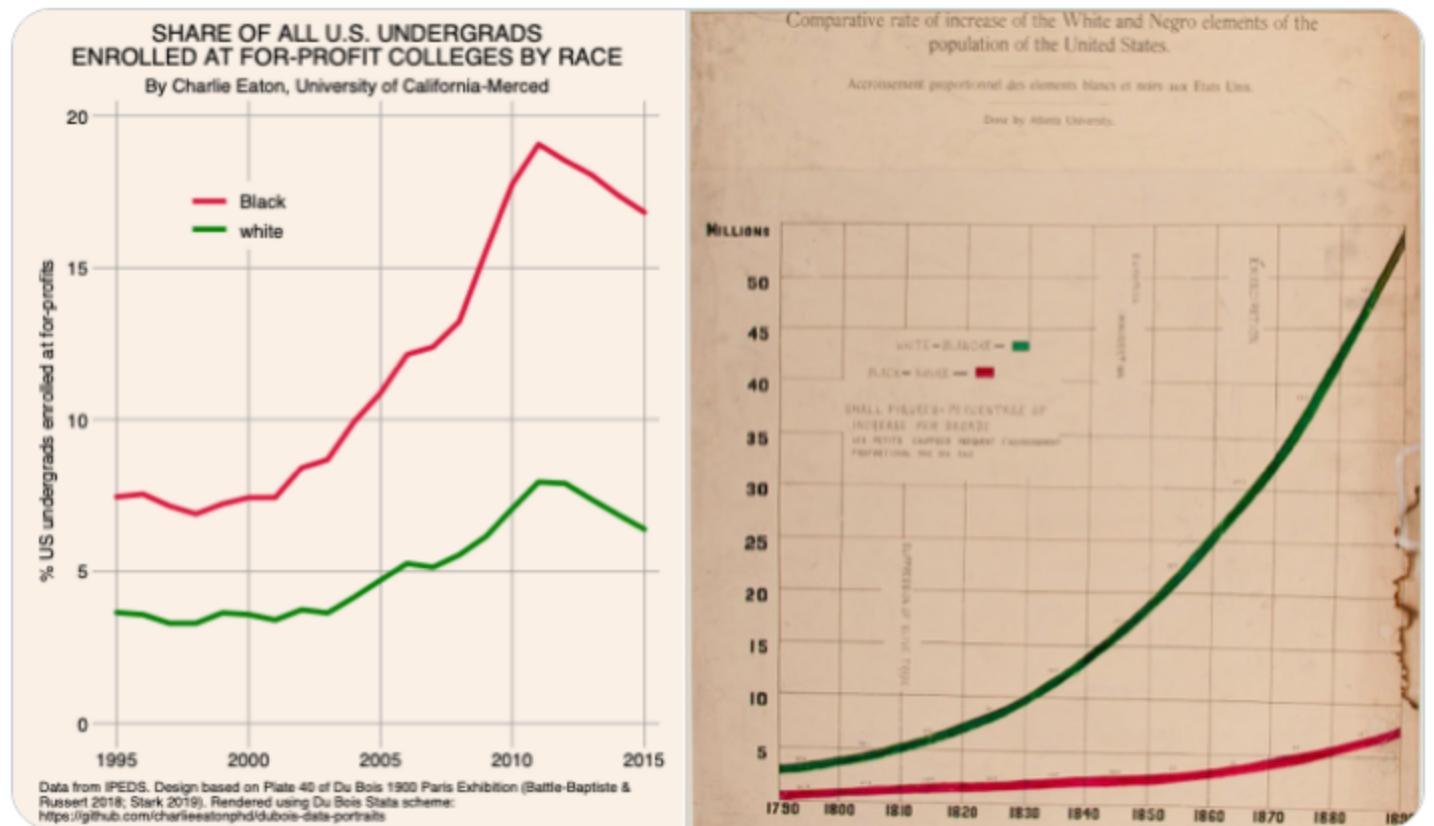
#TidyTuesday and #DuBoisChallenge

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

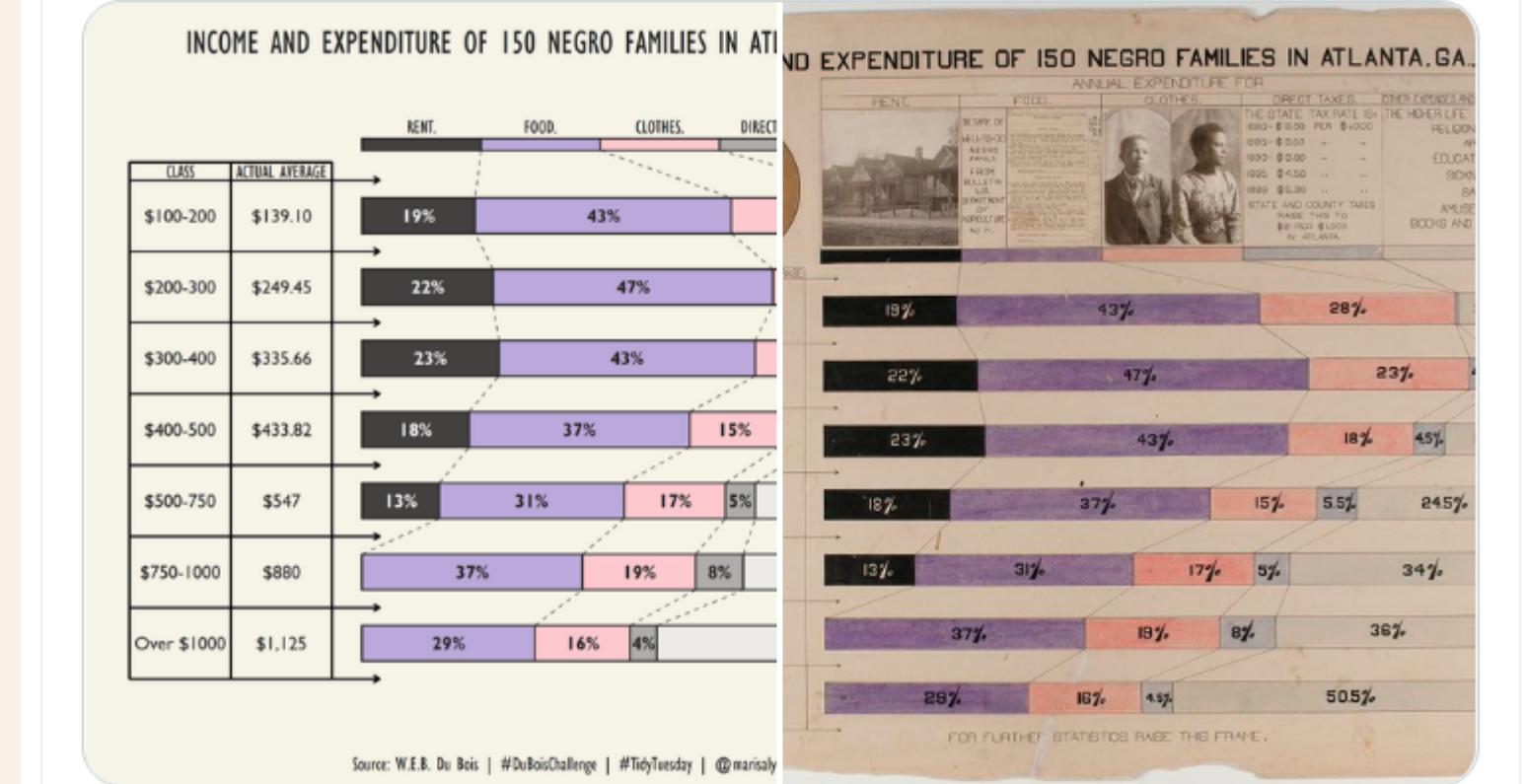
I'm thrilled that any @Stata user can now add the Du Bois graphing scheme to their machine using the \*ssc install dubois\* command. After installing, check \*help dubois\* for tips to use the scheme for the #DuBoisChallenge or modern replications like this one!



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>

# Contemporary Data

Black Population By State 2021 +

worldpopulationreview.com/state-rankings/black-population-by-state

Black Population By State 2021 Show sources

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

[↓ CSV](#) [↓ 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"
"Michigan","1519460","0.1521"
>New Jersey","1318290","0.1485"
"Ohio","1654700","0.1413"
>Pennsylvania","1621740","0.1267"
"Missouri","779871","0.1264"
"Connecticut","447432","0.1259"
>Texas","3727750","0.1254"
"Indiana","720476","0.1059"
>Nevada","322756","0.1013"
>Kentucky","418010","0.0933"
>Massachusetts","643622","0.0931"
>Oklahoma","359841","0.0902"
>Rhode Island","89741","0.0845"
>Minnesota","428937","0.0752"
>Wisconsin","434778","0.0743"
```

blackpop - Google Sheets

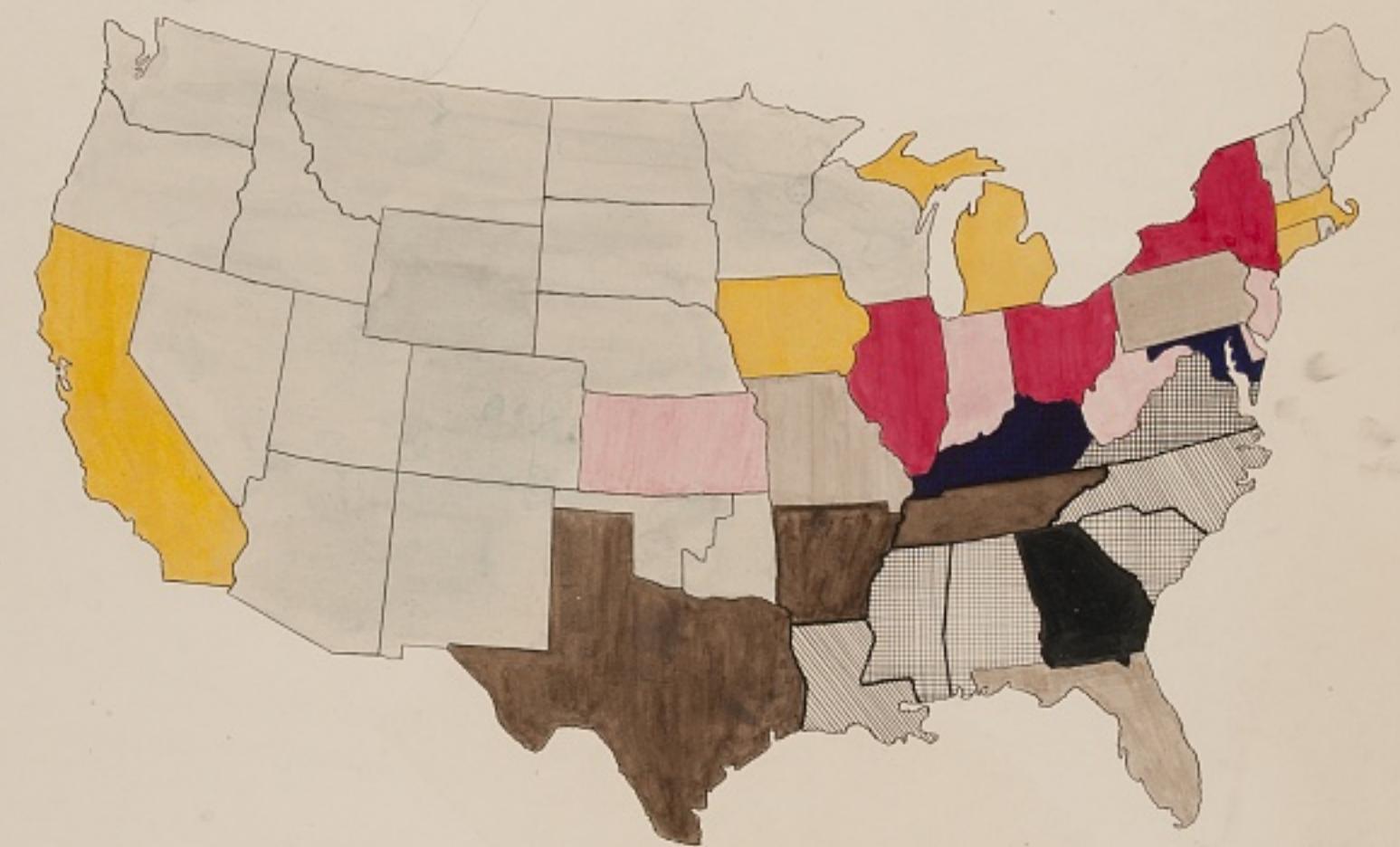
File Edit View Insert Format

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

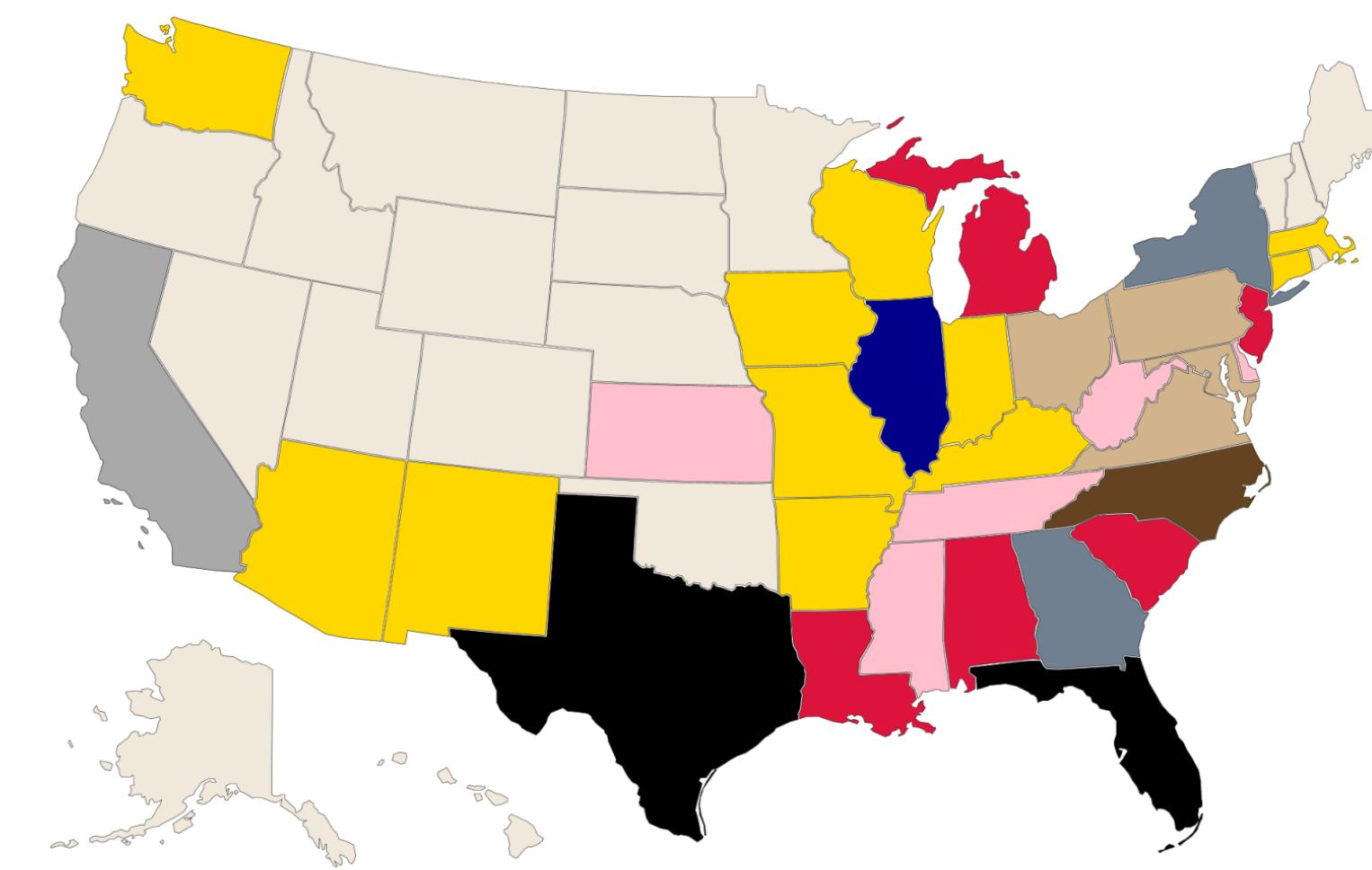
■ 300,000 — 500,000

■ 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



Teju Cole

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