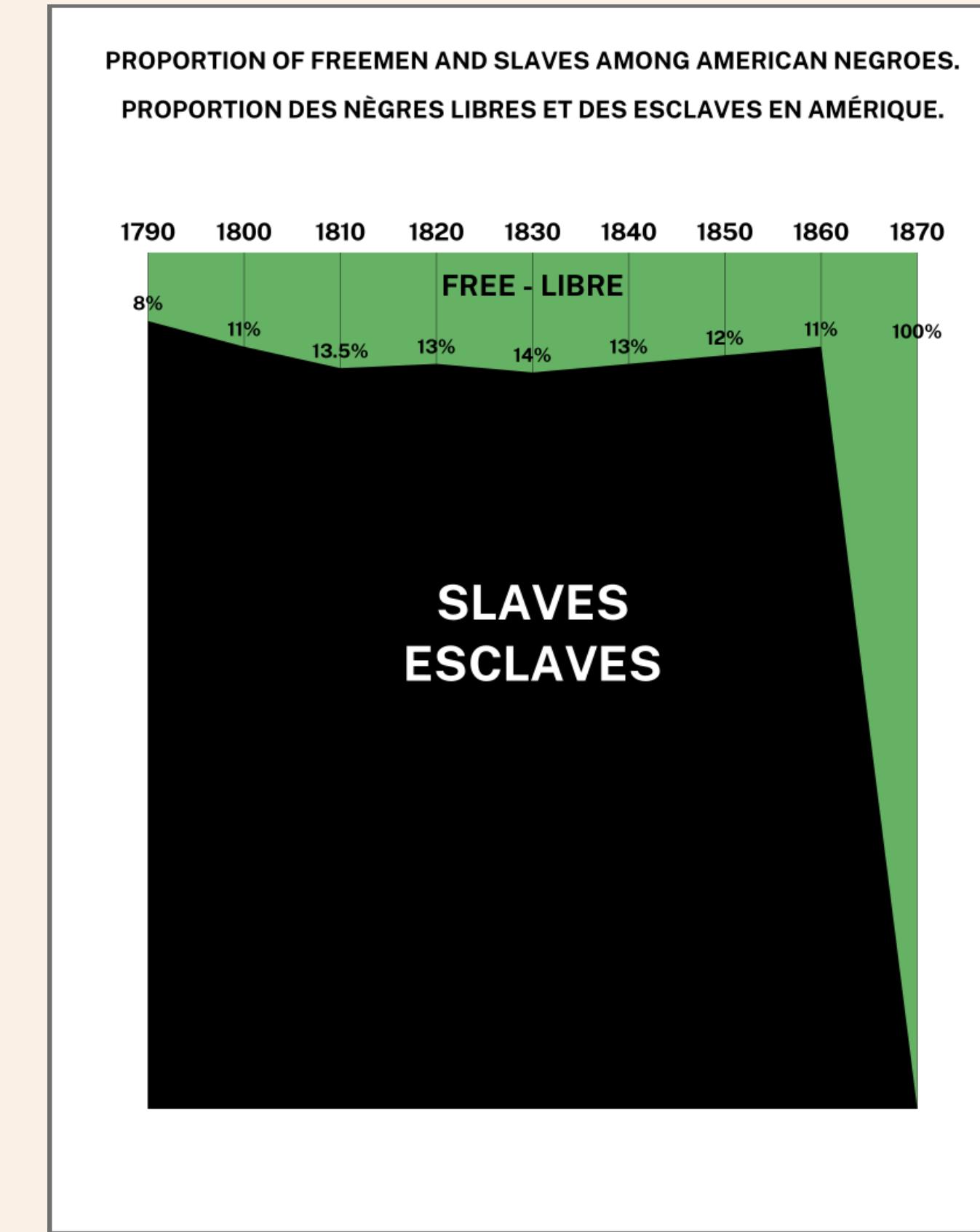
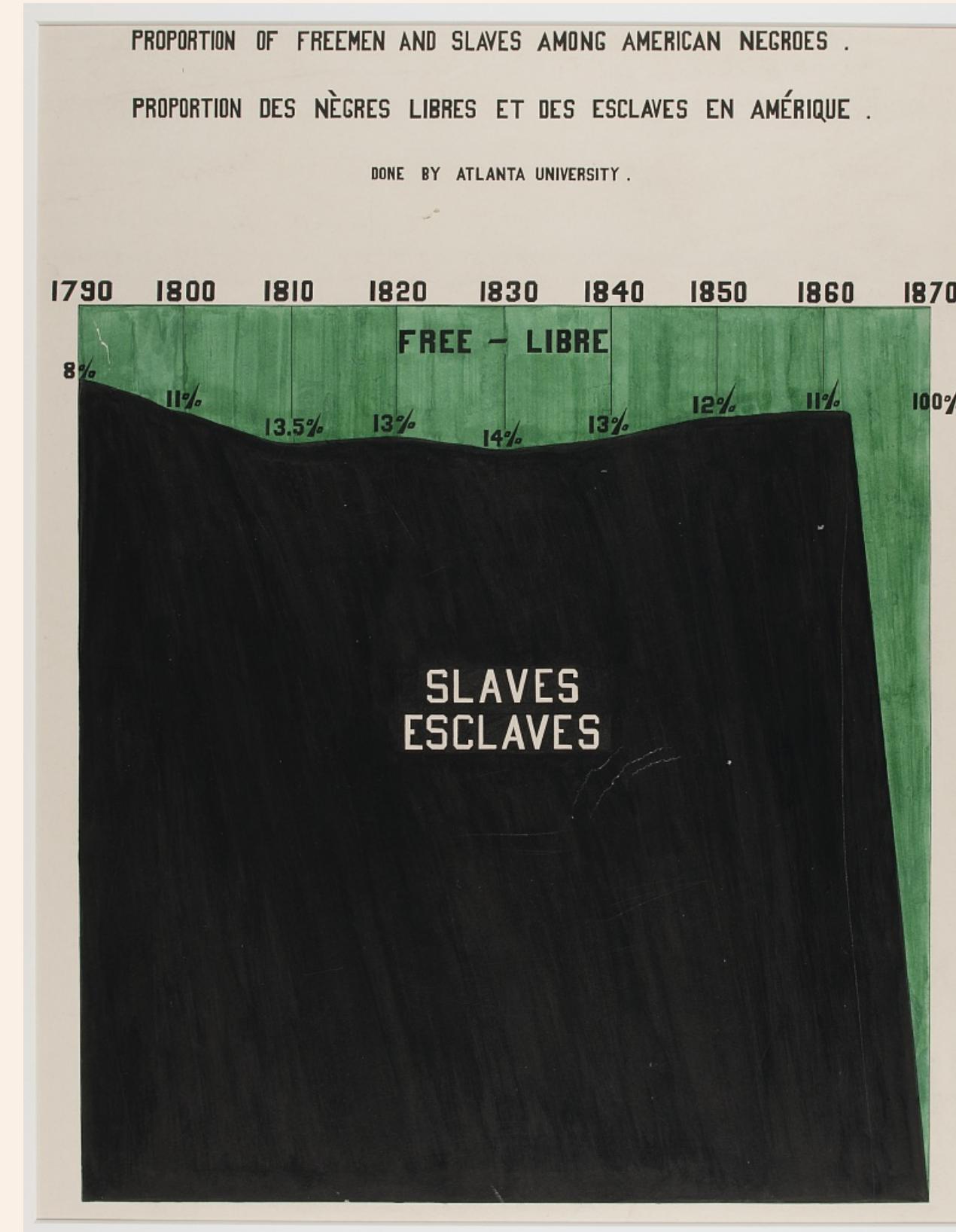


# Recreating DuBois' Data Portraits





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

THE COLOR LINE AT THE TURN OF THE TWENTIETH CENTURY

|          |            |
|----------|------------|
| 1875 —   | \$ 21,886  |
| 1880 —   | \$ 498,532 |
| 1885 — " | 736,170    |
| 1890 — " | 1,173,624  |
| 1895 — " | 1,322,694  |
| 1899 — " | 1,434,975  |



WHITNEY BATTLE-BAPTISTE and BRITT RUSERT, *editors*



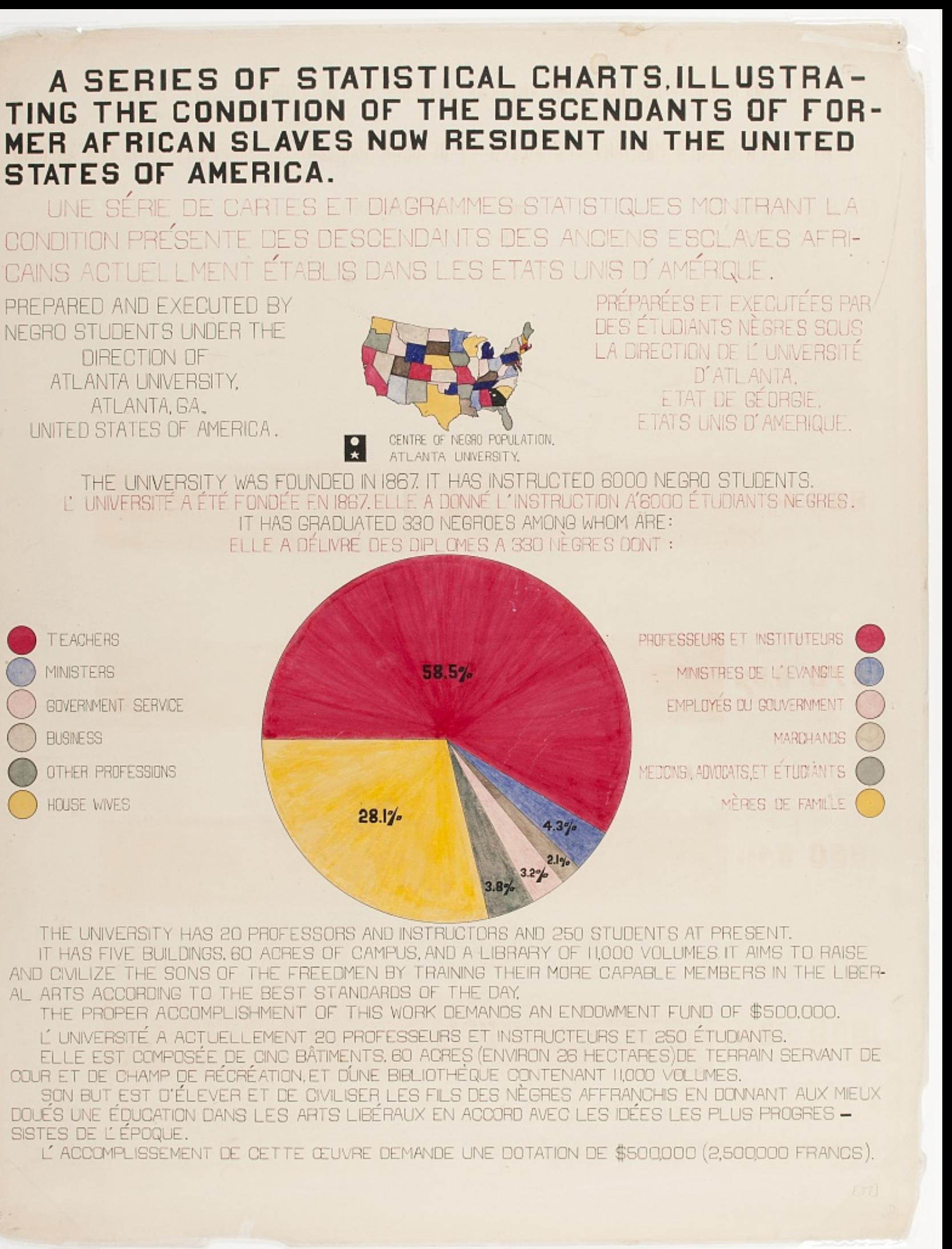


EXPOSITION DES NEGRES D'AMERIQUE

PARIS 1900  
GRAND PRIX



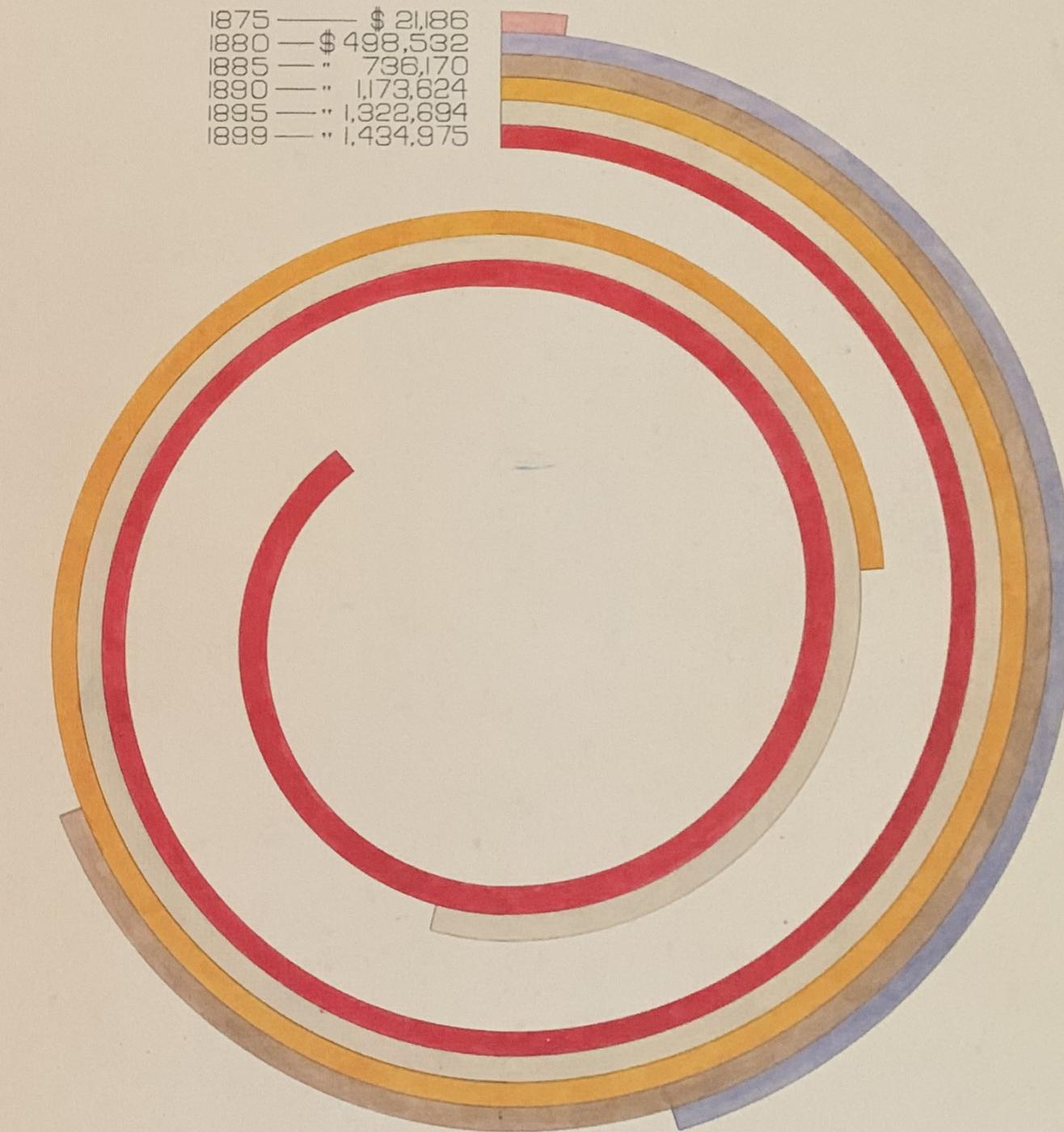
22"



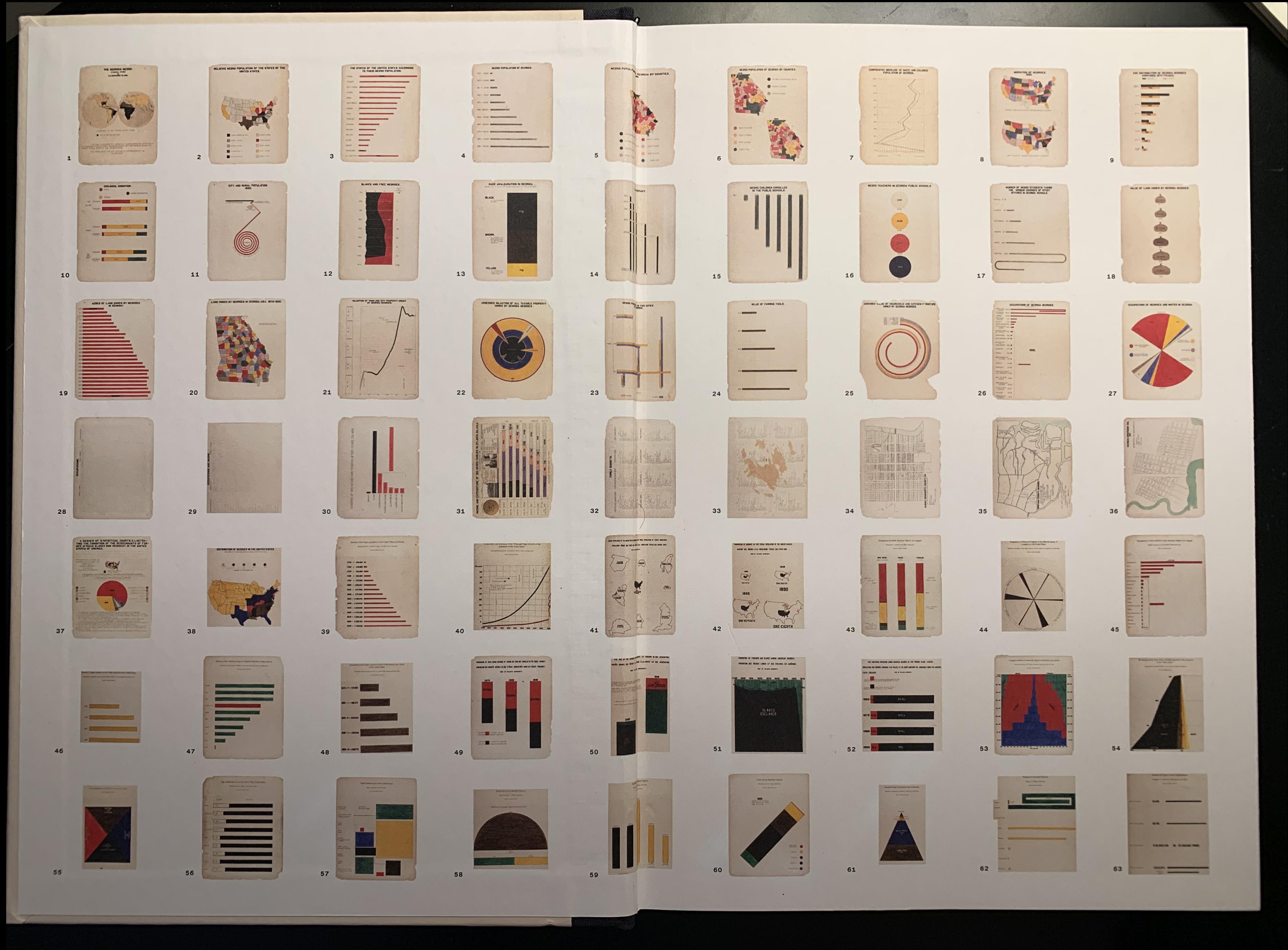
**W. E. B. Du Bois's Data Portraits**  
**Visualizing Black America**

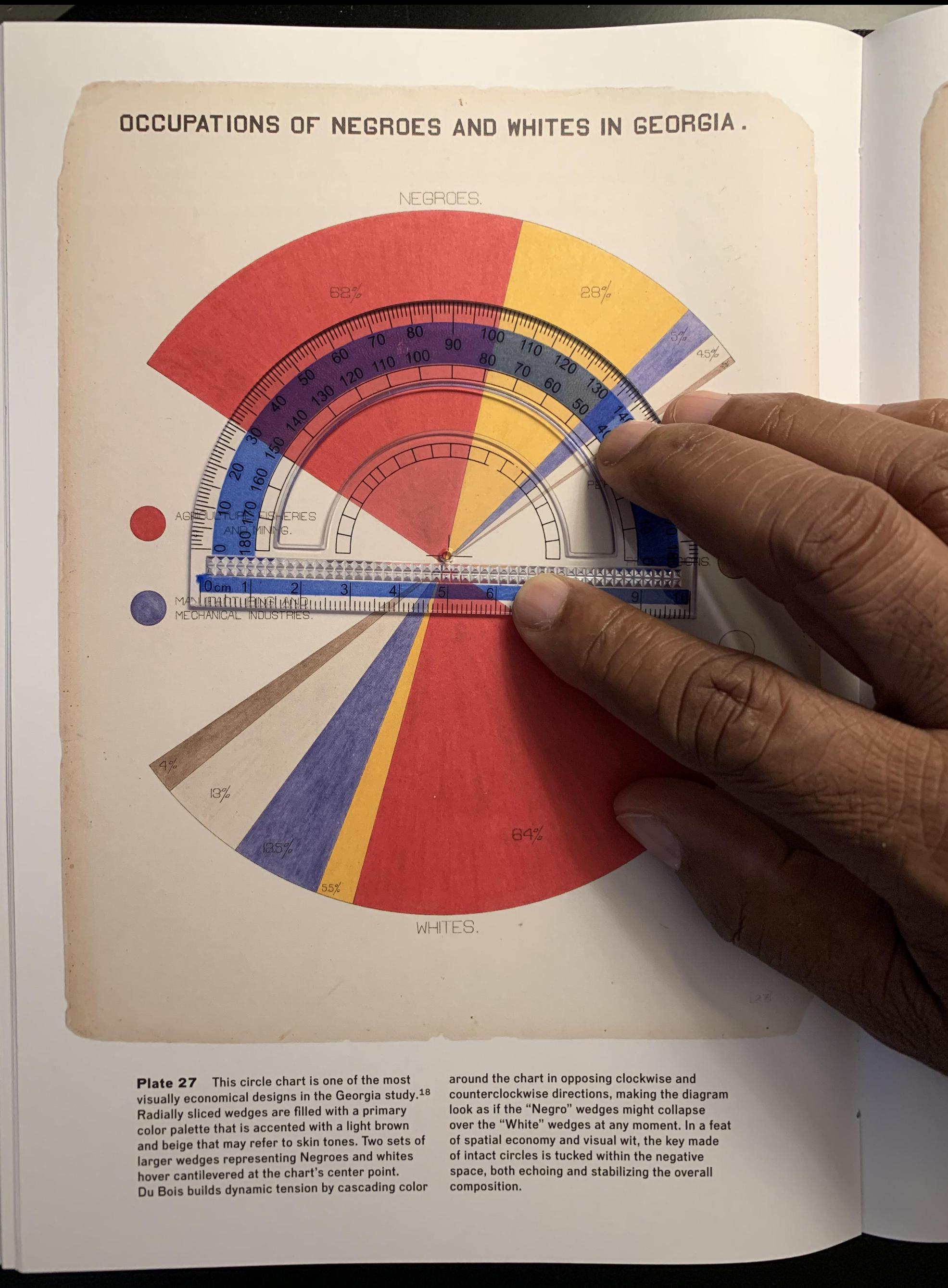
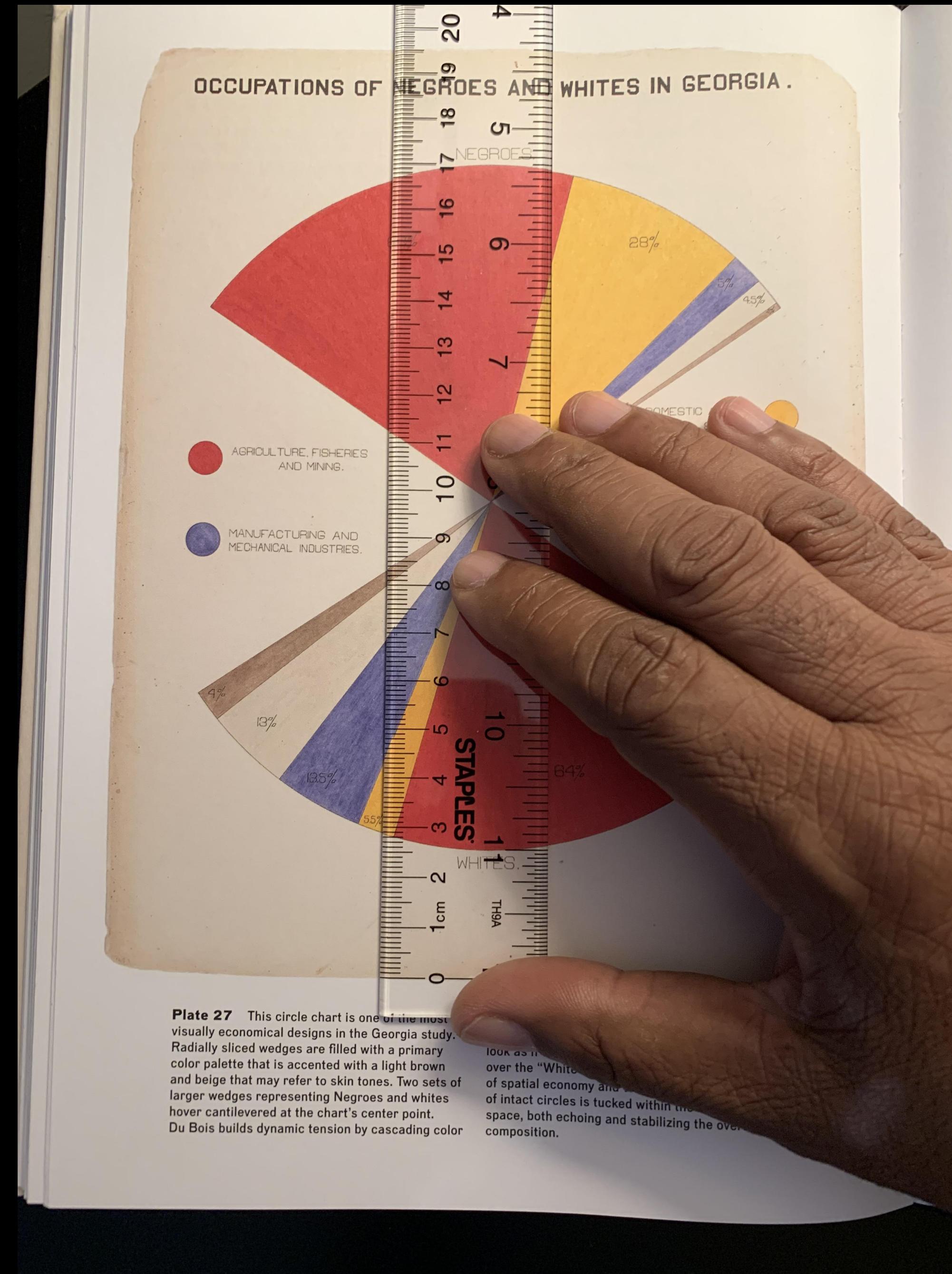
THE COLOR LINE AT THE TURN OF THE TWENTIETH CENTURY

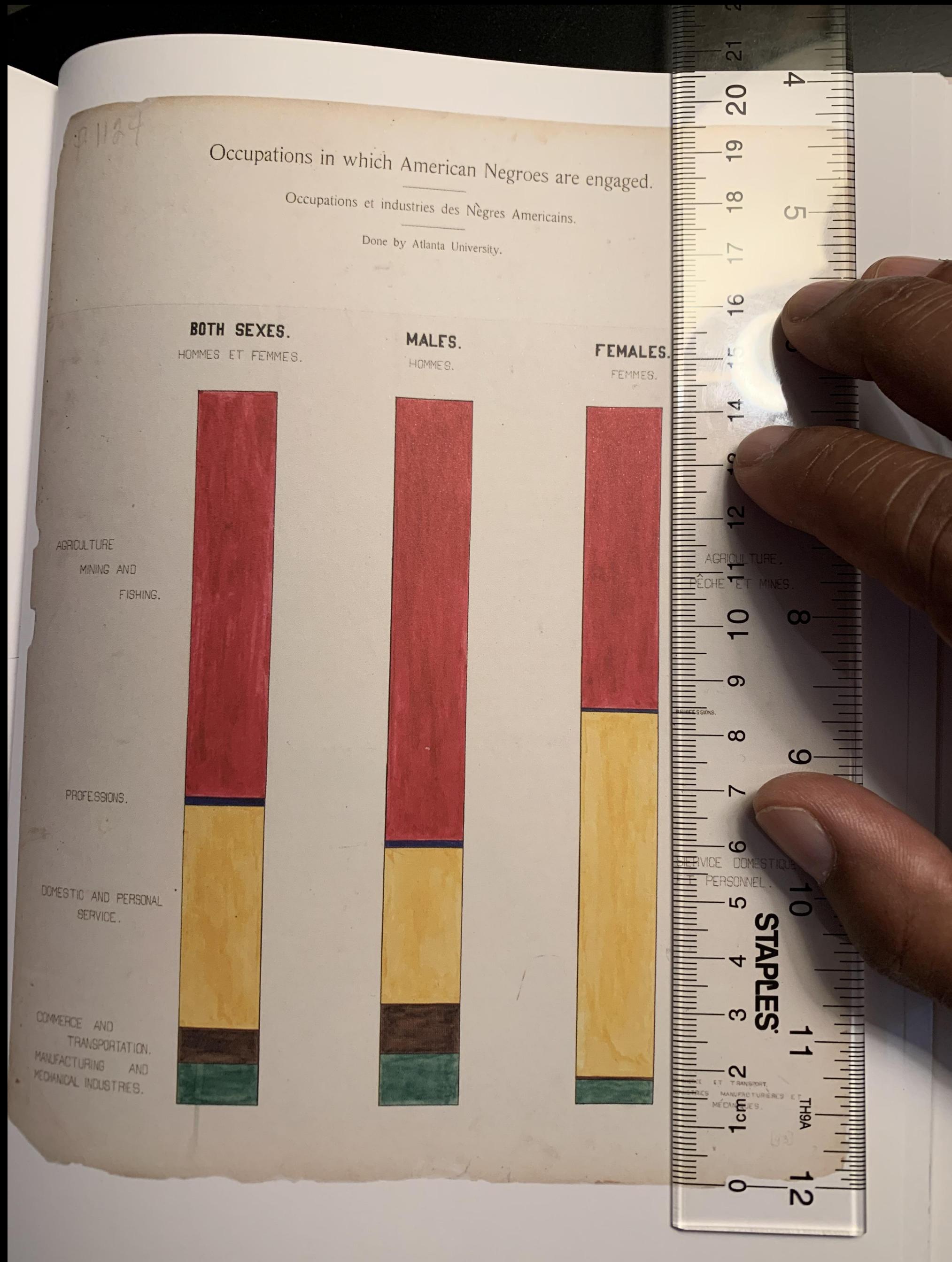
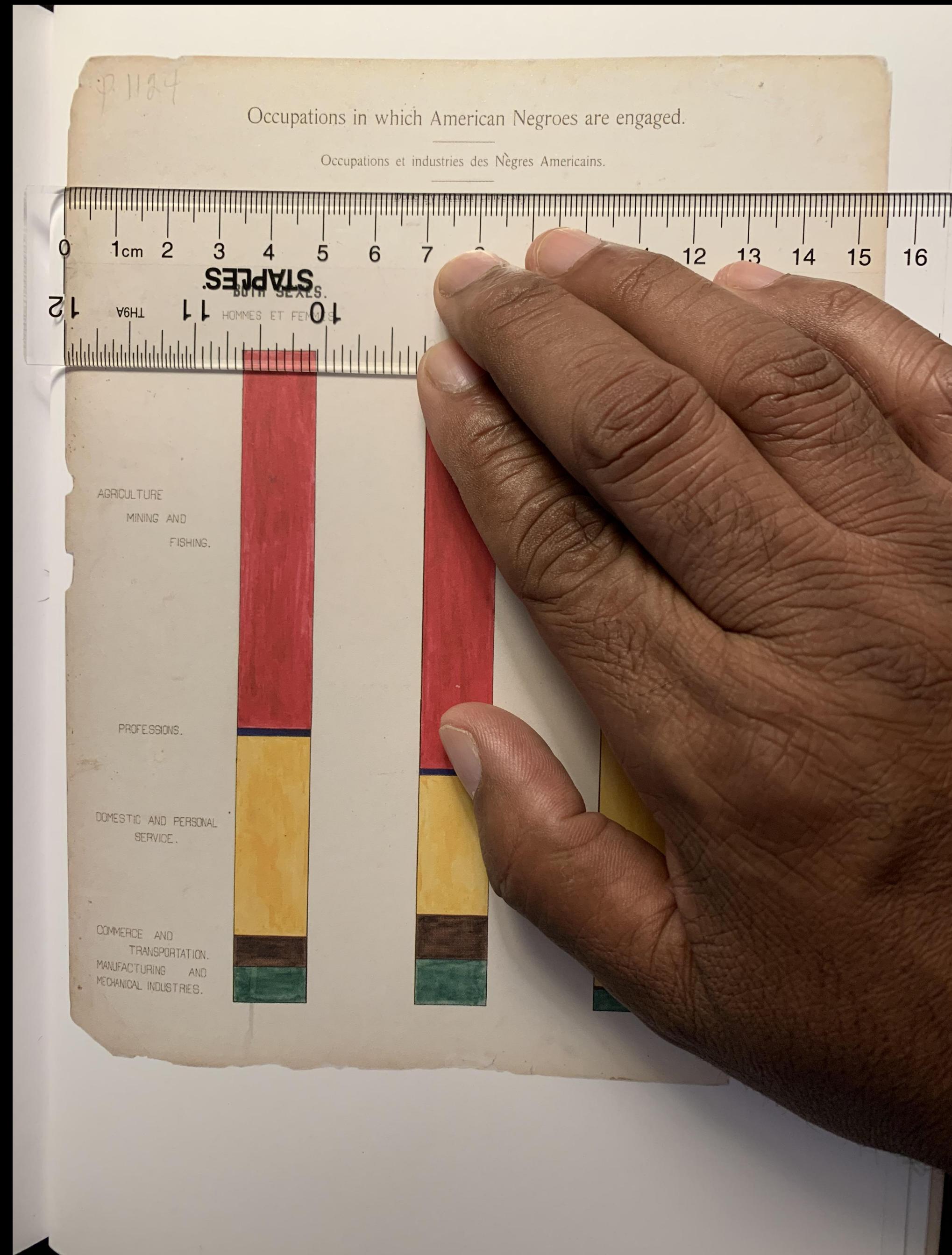
1875 — \$ 21,86  
1880 — \$ 498,582  
1885 — " 786,170  
1890 — " 1,173,624  
1895 — " 1,322,894  
1899 — " 1,434,975

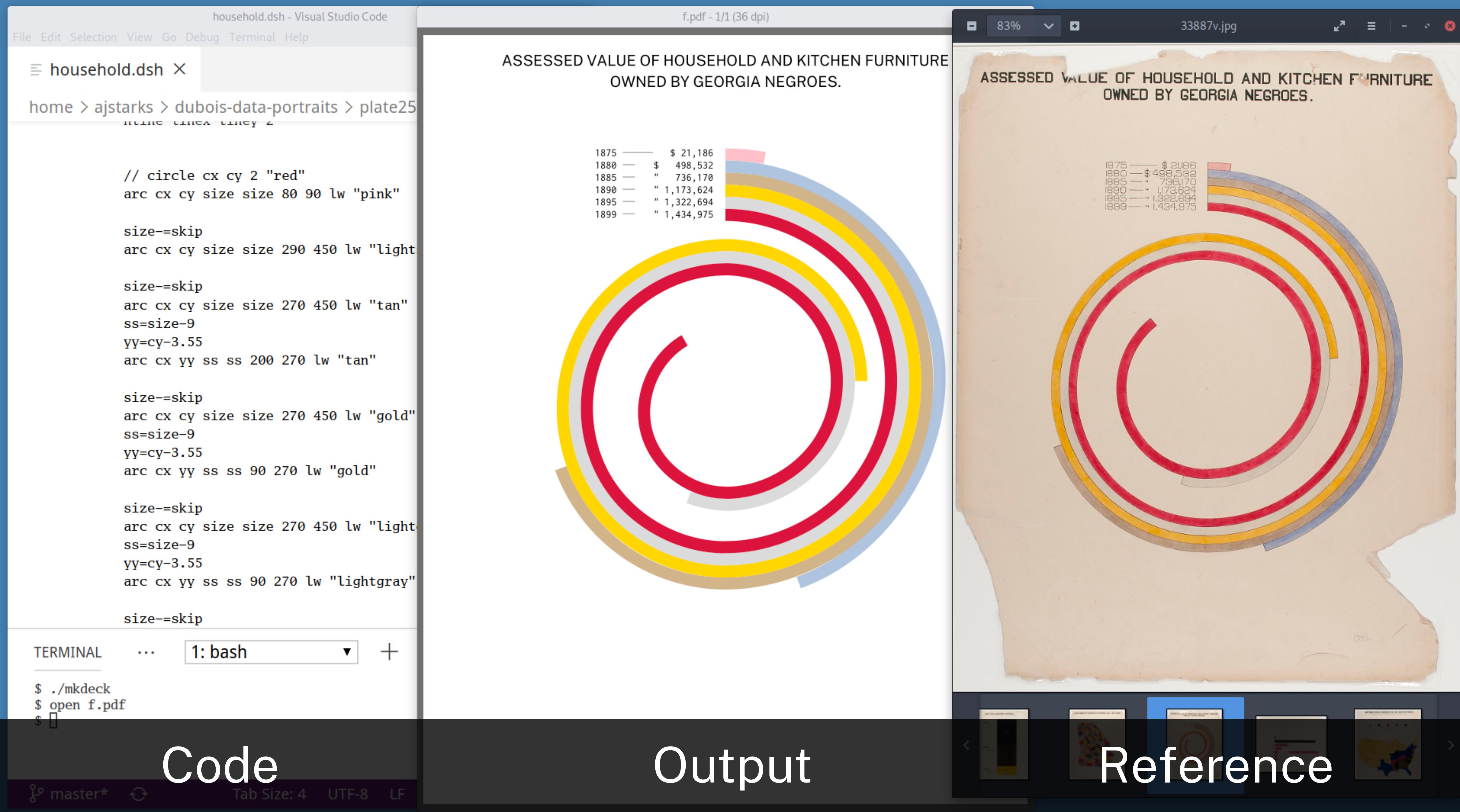


WHITNEY BATTLE-BAPTISTE and BRITT RUSERT, editors



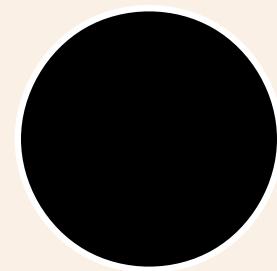






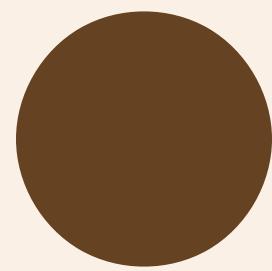
# Colors

black



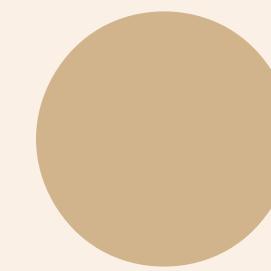
rgb(0,0,0)

brown



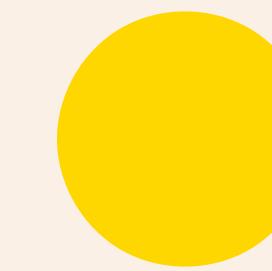
rgb(101,67,33)

tan



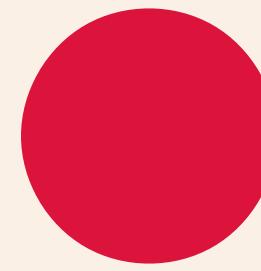
rgb(210,180,140)

yellow



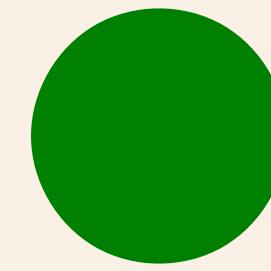
rgb(255,215,0)

red



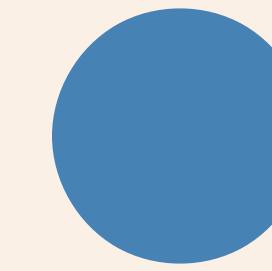
rgb(220,20,60)

green



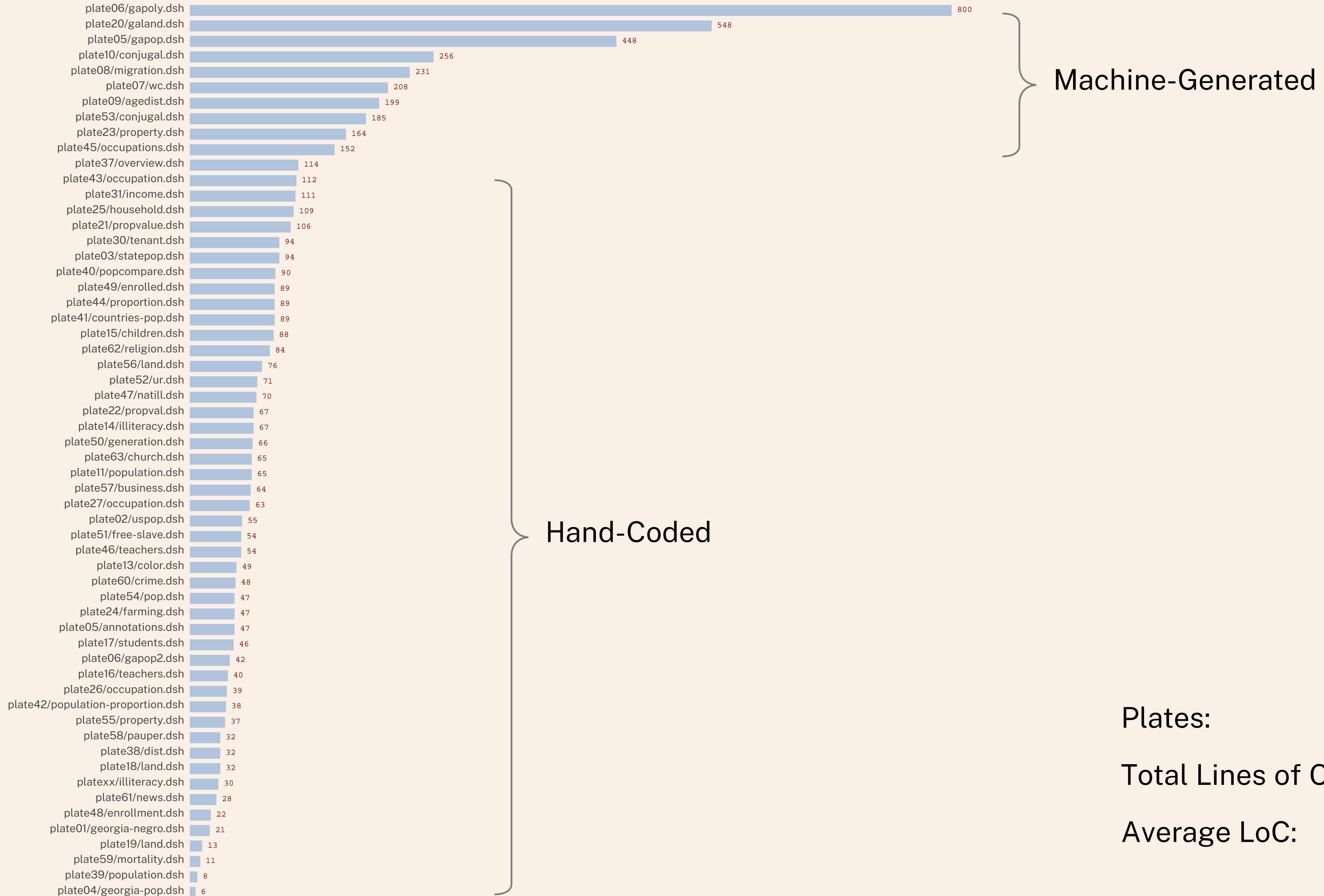
rgb(0,128,0)

blue



rgb(70,130,180)

# Lines of decksh code



Machine-Generated

Hand-Coded

Plates:

58

Total Lines of Code:

4,216

Average LoC:

76.7

# INCOME AND EXPENDITURE OF 150 NEGRO FAMILIES IN ATLANTA, GA., U.S.A.

## ANNUAL EXPENDITURE FOR

### ANNUAL INCOME



### RENT



### FOOD

DIETARY OF WELL-TO-DO  
NEGRO FAMILY  
FROM BULLETIN  
U.S. DEPARTMENT  
OF AGRICULTURE  
NO. 71

### CLOTHES



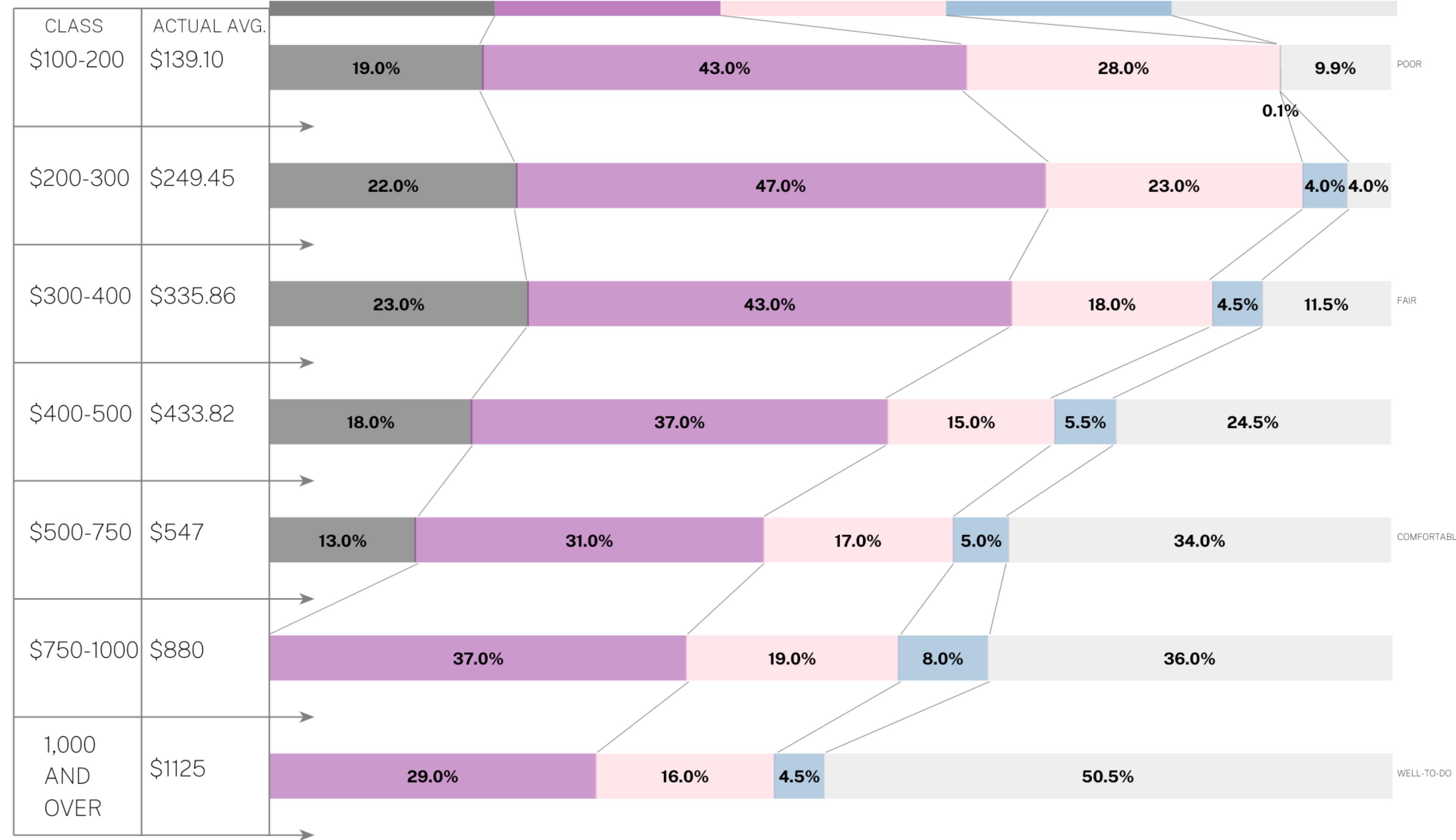
### DIRECT TAXES

THE STATE TAX RATE IS:  
1880 - \$3.50 PER 1,000  
1885 - \$3.50 " "  
1890 - \$3.96 " "  
1895 - \$4.56 " "  
1899 - \$5.38 " "

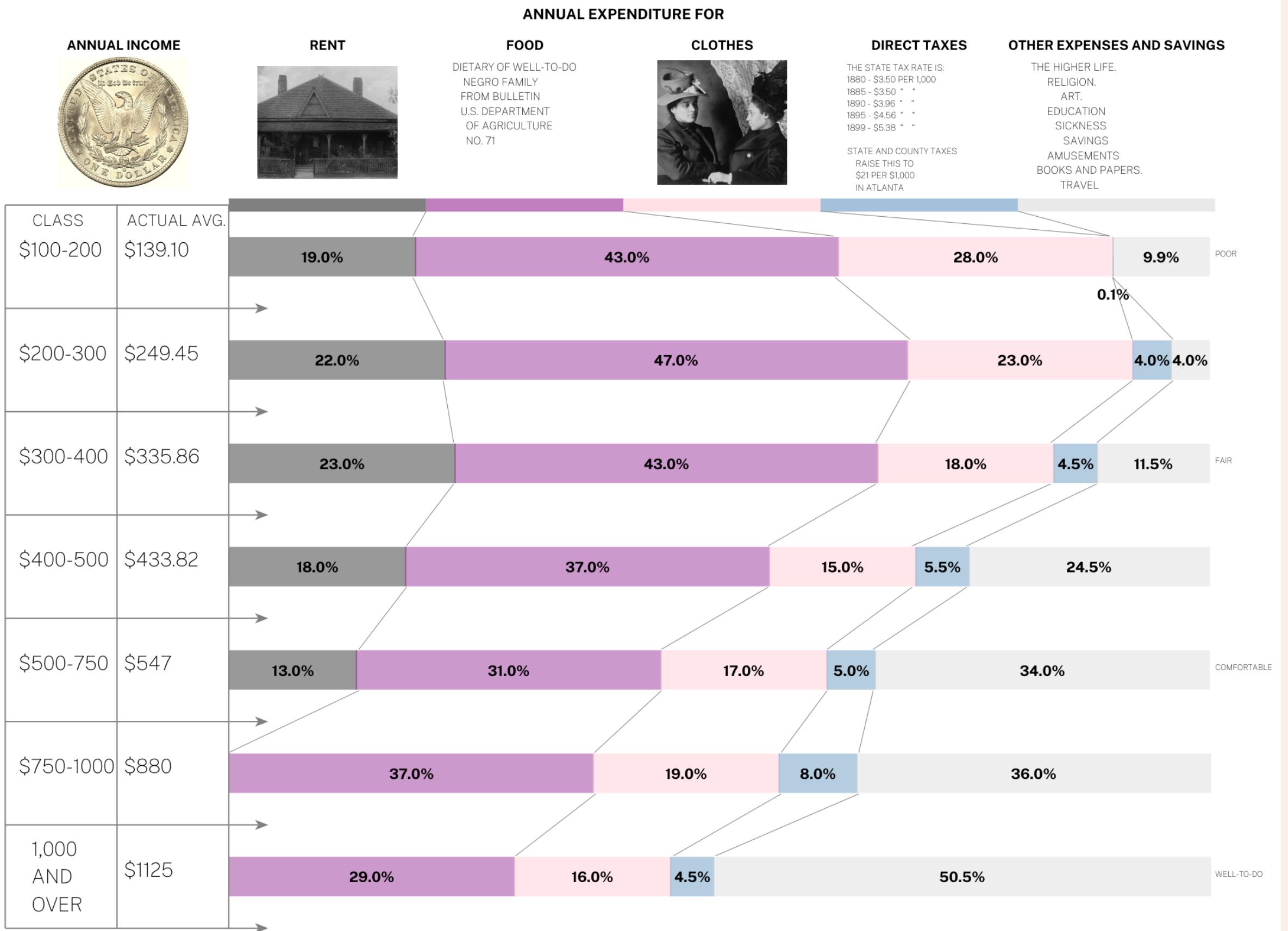
STATE AND COUNTY TAXES  
RAISE THIS TO  
\$21 PER \$1,000  
IN ATLANTA

### OTHER EXPENSES AND SAVINGS

THE HIGHER LIFE.  
RELIGION.  
ART.  
EDUCATION  
SICKNESS  
SAVINGS  
AMUSEMENTS  
BOOKS AND PAPERS.  
TRAVEL



## INCOME AND EXPENDITURE OF 150 NEGRO FAMILIES IN ATLANTA, GA., U.S.A.



Title

Categories

Income

Charts

# THE GEORGIA NEGRO.

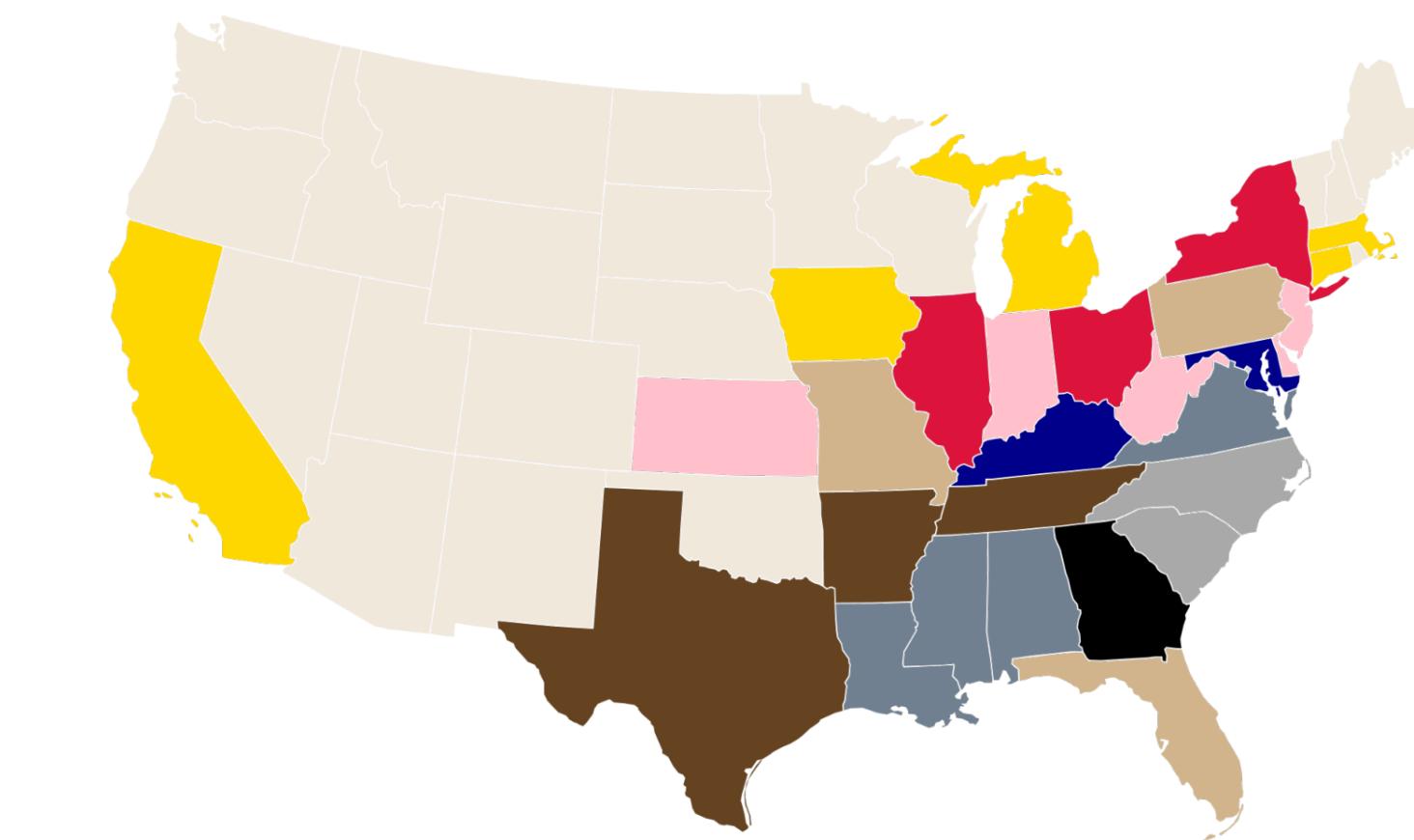
A SOCIAL STUDY  
BY  
W.E.BURGHARDT DU BOIS.



THIS CASE IS DEVOTED TO THE 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

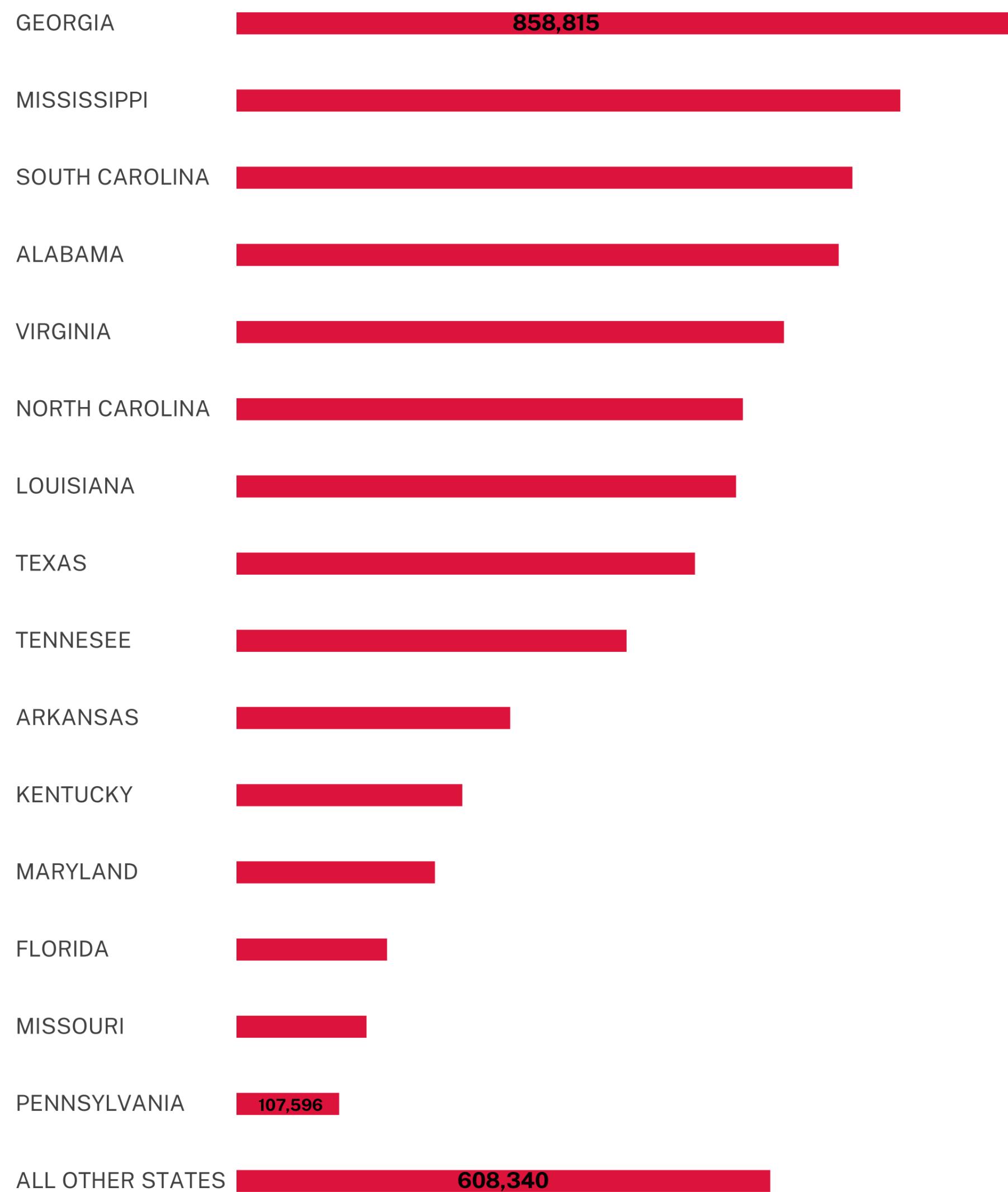
THE PROBLEM OF THE 20TH CENTURY IS THE PROBLEM OF THE COLOR LINE

## RELATIVE NEGRO POPULATION OF THE STATES OF THE UNITED STATES.

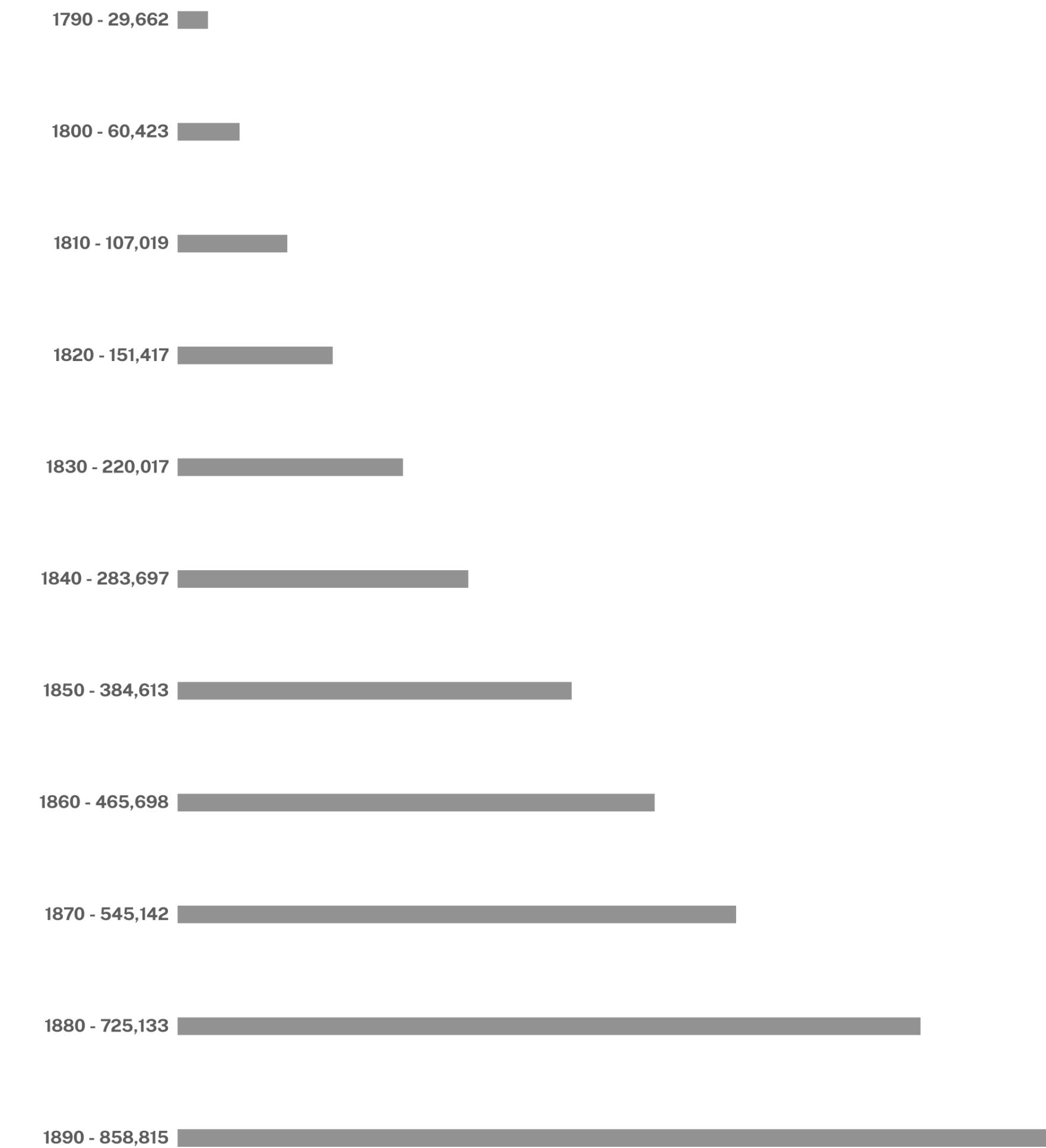


|                    |                          |                           |                   |
|--------------------|--------------------------|---------------------------|-------------------|
| [Black square]     | 750,000 NEGROES AND OVER | [Light beige square]      | 100,000 - 200,000 |
| [Dark blue square] | 600,000 - 750,000        | [Red square]              | 50,000 - 100,000  |
| [Grey square]      | 500,000 - 600,000        | [Pink square]             | 25,000 - 50,000   |
| [Brown square]     | 300,000 - 500,000        | [Yellow square]           | 10,000 - 25,000   |
| [Dark blue square] | 200,000 - 300,000        | [Very light beige square] | UNDER - 10,000    |

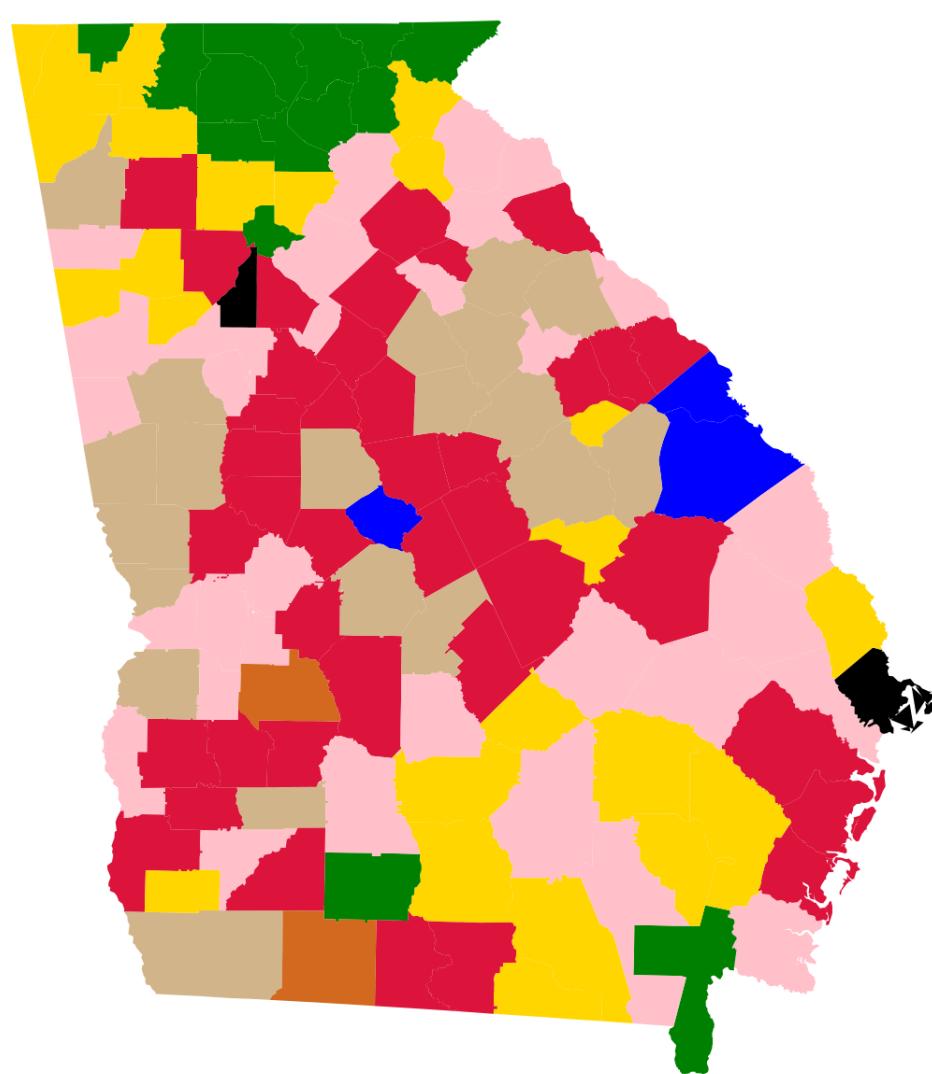
## STATES OF THE UNITED STATES ACCORDING TO THEIR NEGRO POPULATION.



## NEGRO POPULATION OF GEORGIA.



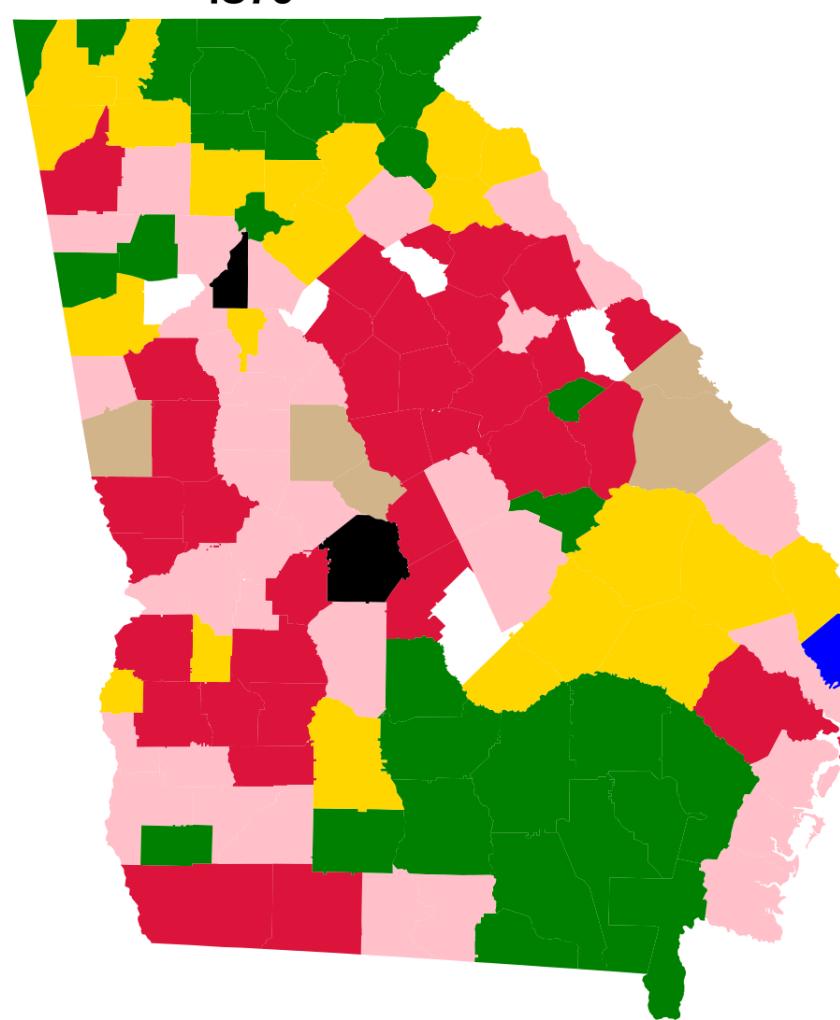
**NEGRO POPULATION OF GEORGIA BY COUNTIES.  
1890.**



- OVER 30,000 NEGROES
- BETWEEN 20,000 AND 30,000
- 15,000 TO 20,000
- 10,000 TO 15,000
- 5,000 TO 10,000
- 2,500 TO 5,000
- 1,000 TO 2,500
- UNDER 1,000

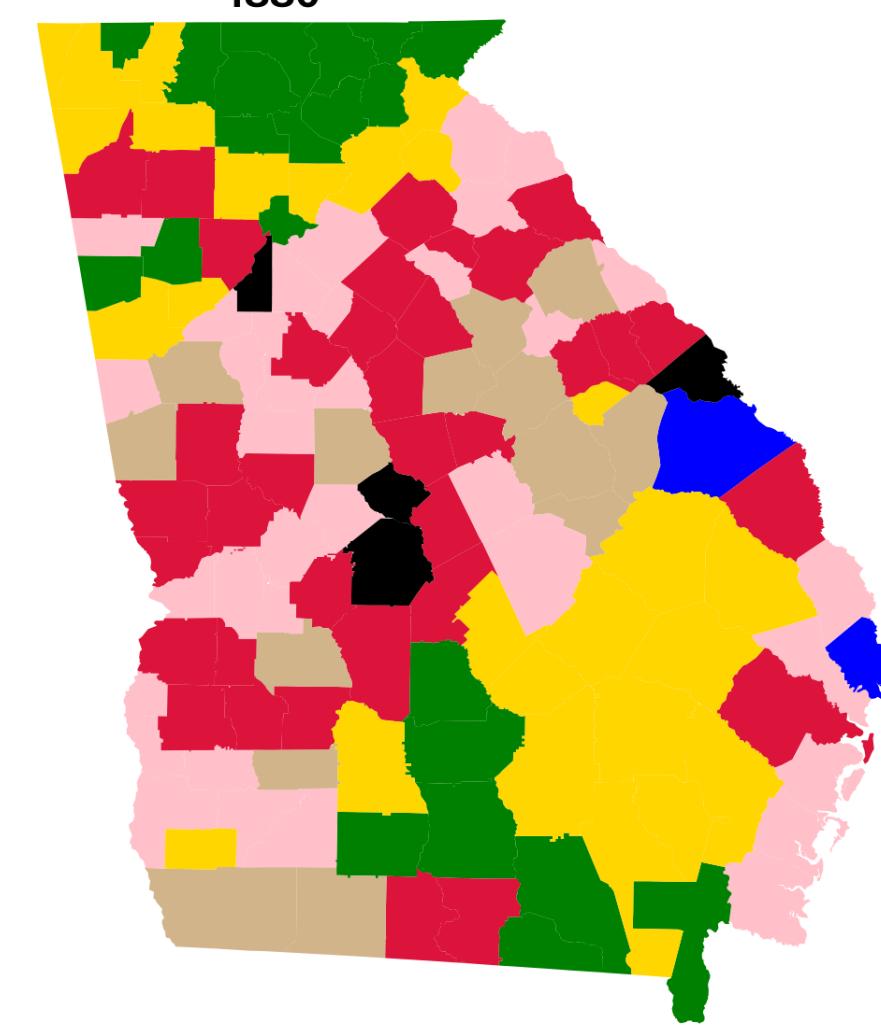
**NEGRO POPULATION OF GEORGIA BY COUNTIES.**

**1870**

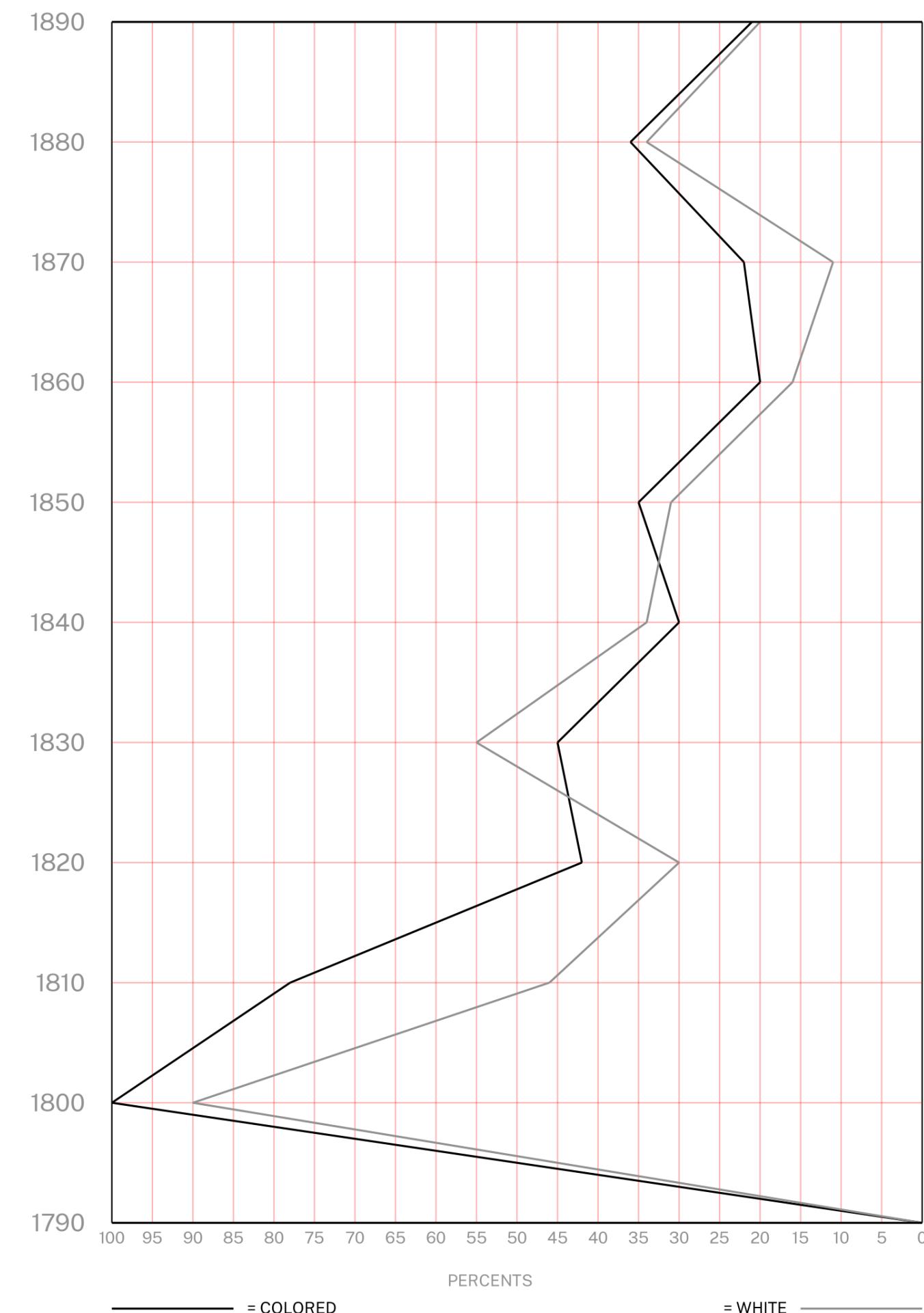


- 5,000 TO 10,000
- 2,500 TO 5,000
- 1,000 TO 2,500
- UNDER 1,000

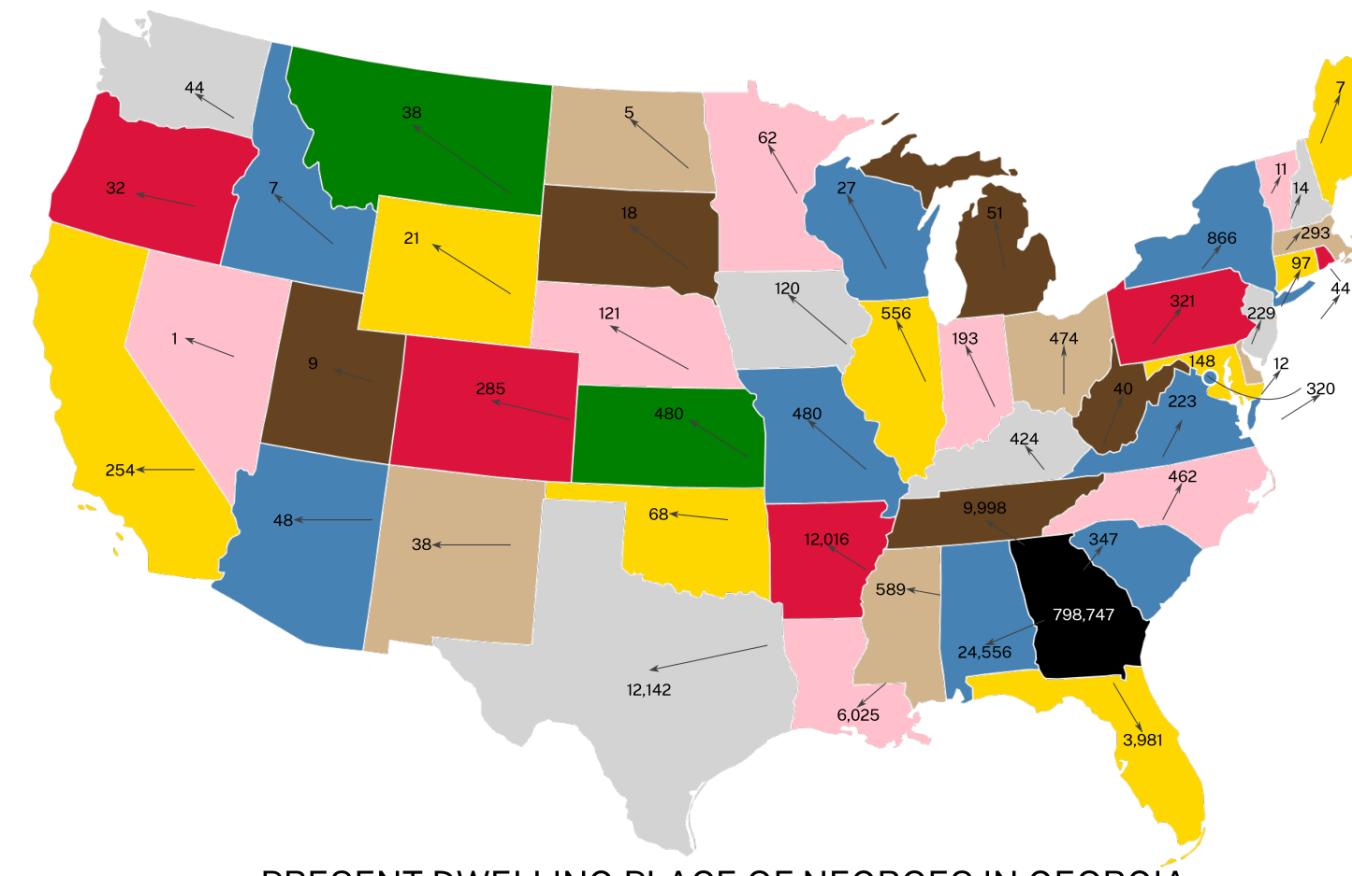
**1880**



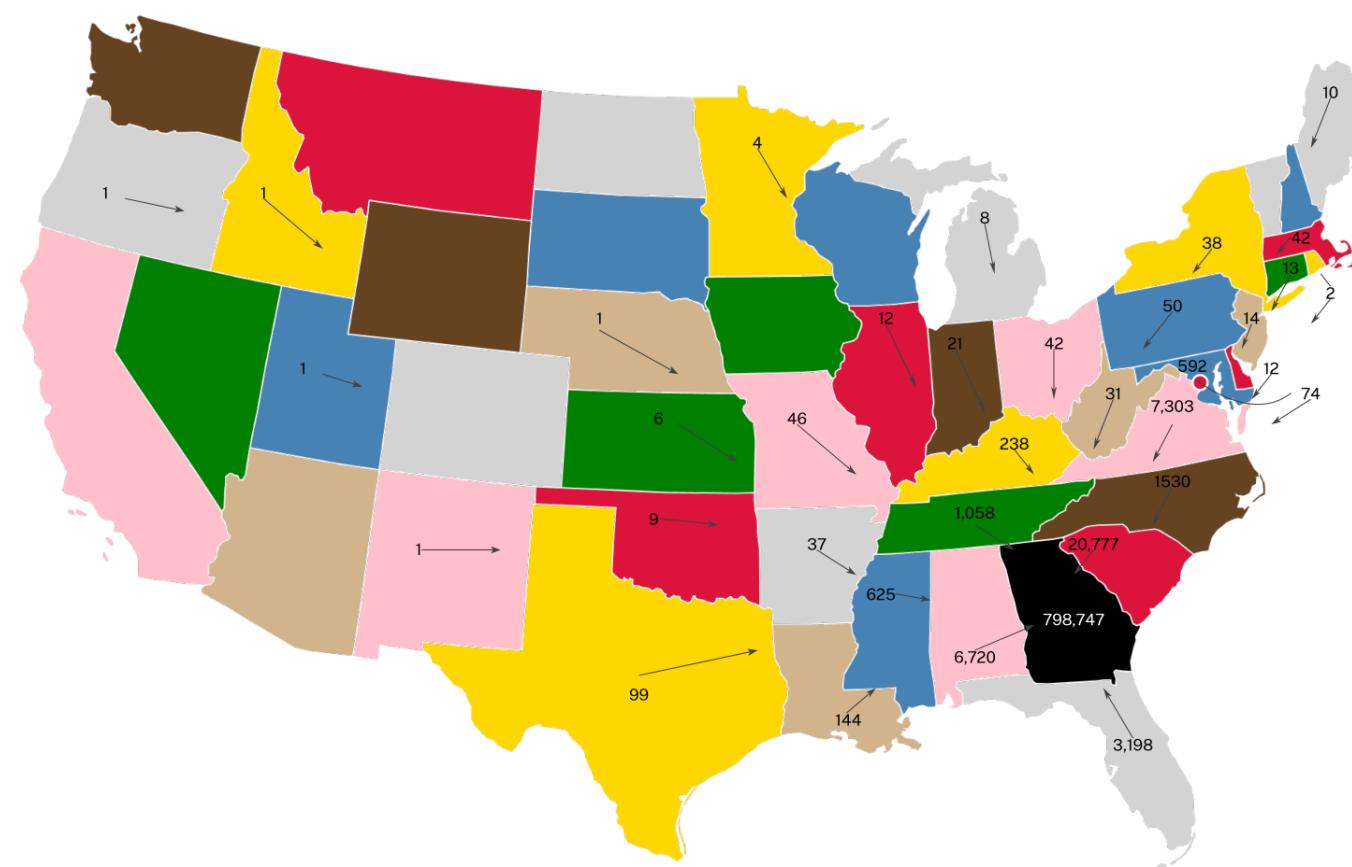
**COMPARATIVE INCREASE OF WHITE AND COLORED POPULATION OF GEORGIA.**



**MIGRATION OF NEGROES.  
1890.**

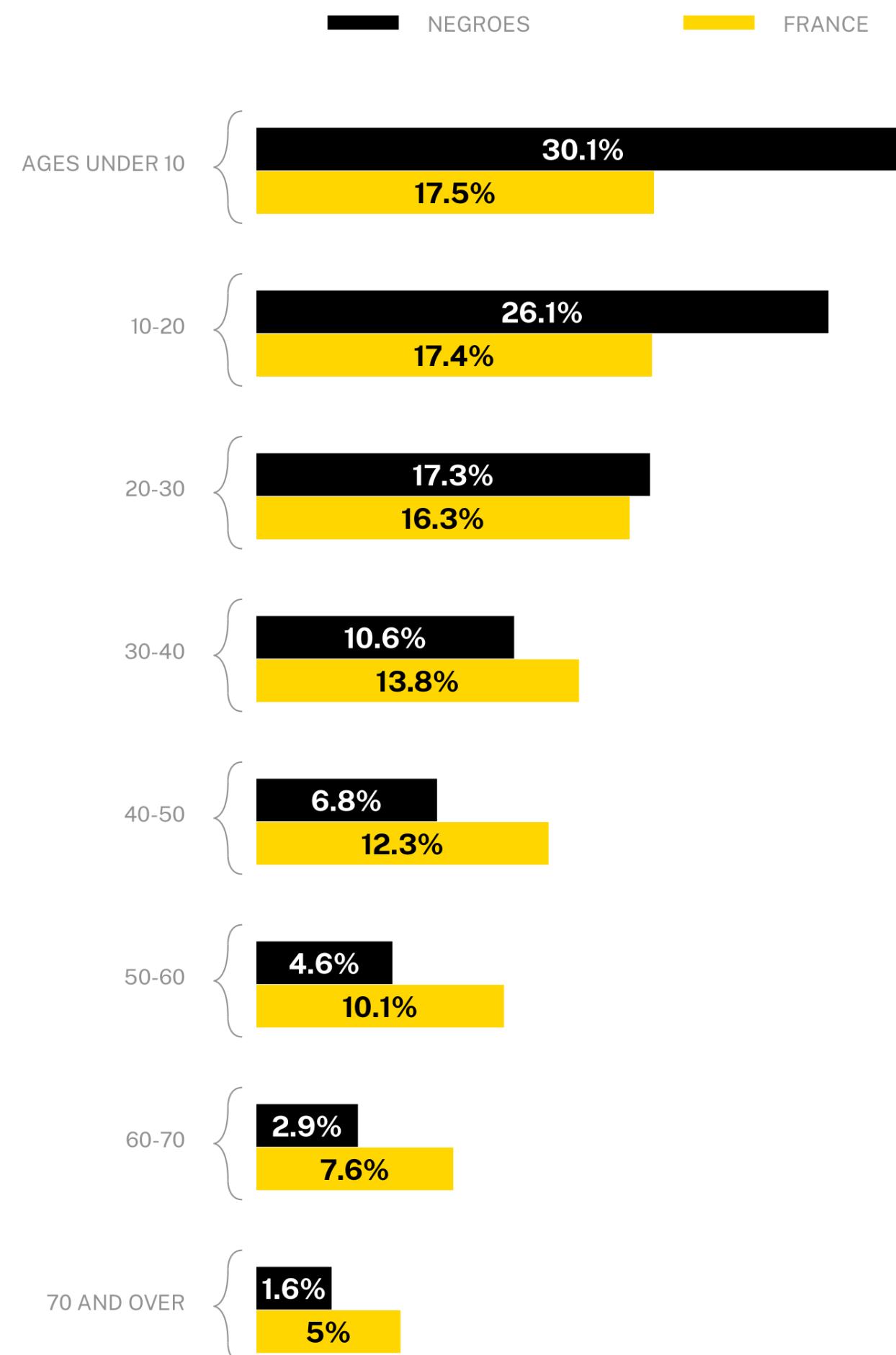


PRESENT DWELLING PLACE OF NEGROES IN GEORGIA.

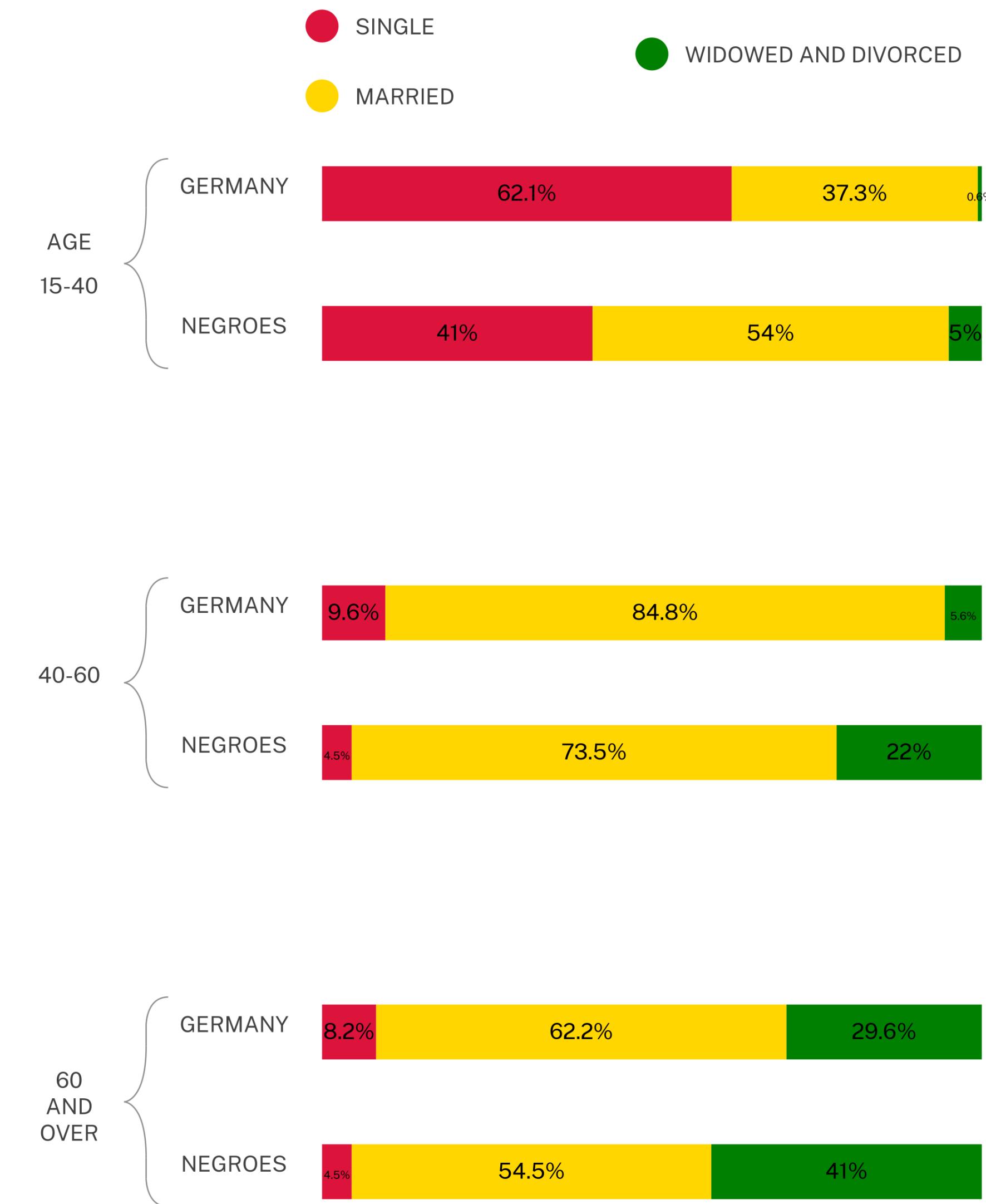


BIRTH PLACE OF NEGROES NOW PRESENT IN GEORGIA.

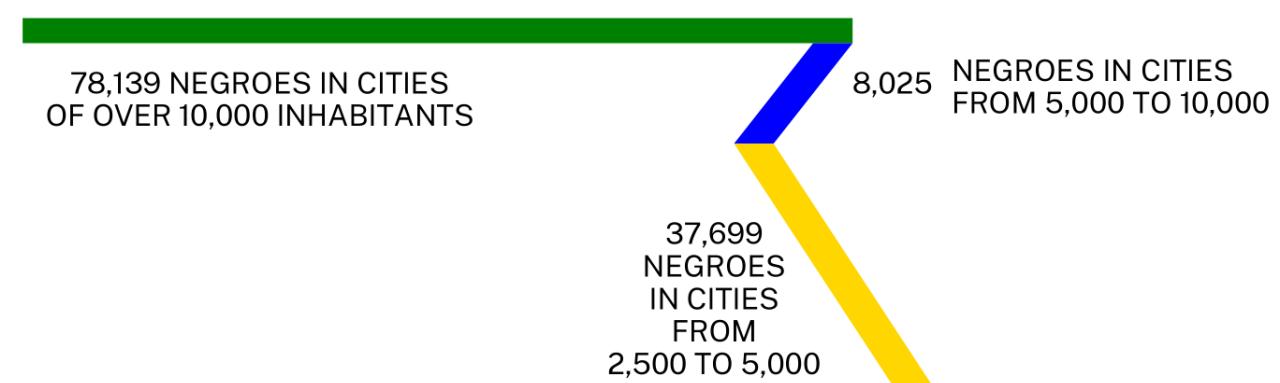
## AGE DISTRIBUTION OF GEORGIA NEGROES COMPARED WITH FRANCE.



## CONJUGAL CONDITION

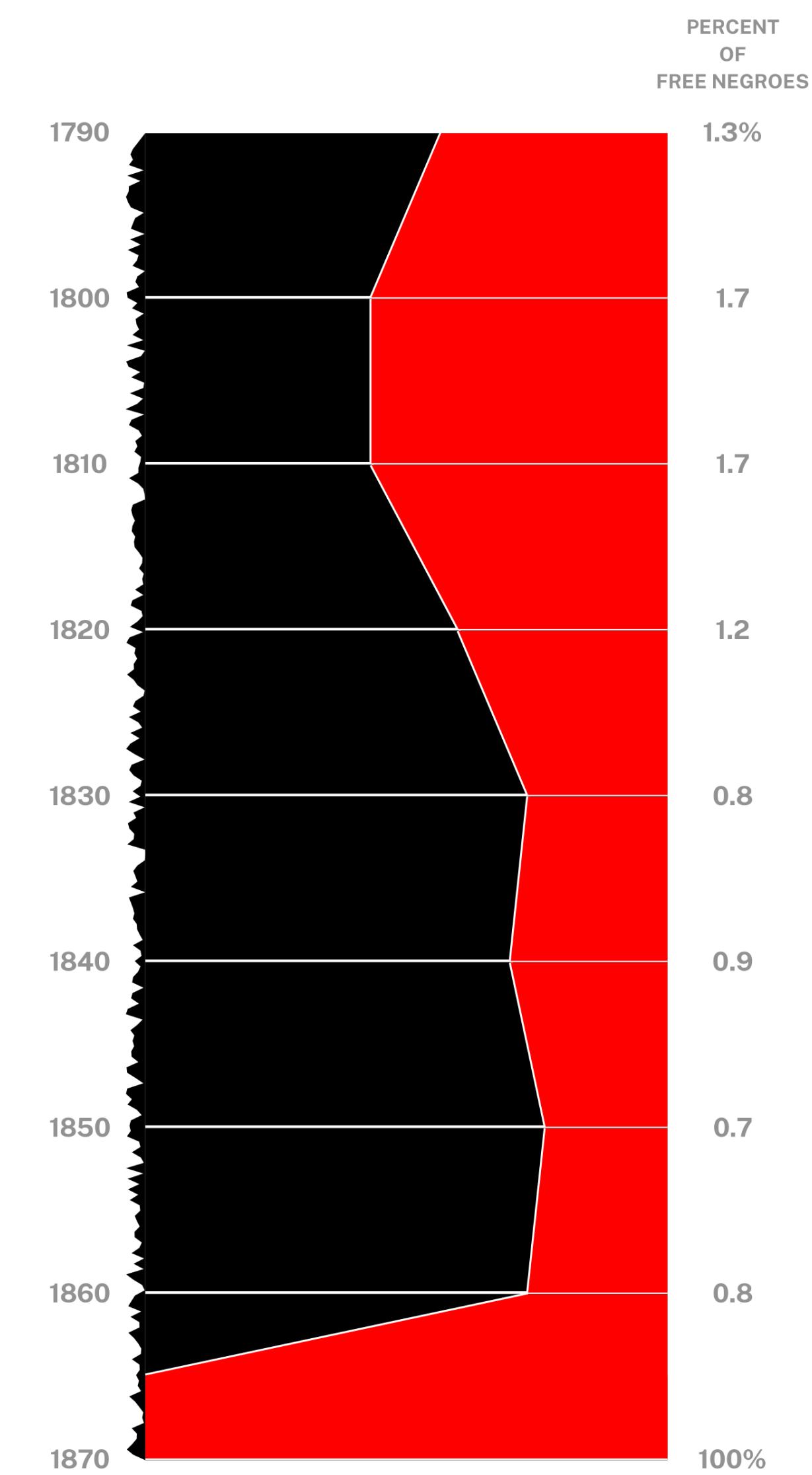


## CITY AND RURAL POPULATION. 1890.



NEGROES LIVING IN THE COUNTRY AND VILLAGES

## SLAVE AND FREE NEGROES.



# RACE AMALGAMATION IN GEORGIA.

BASED ON A STUDY OF 40,000 INDIVIDUALS OF NEGRO DESCENT

## BLACK.

I.E. FULL-BLOODED  
NEGROES.

44%

## BROWN.

I.E. PERSONS WITH  
SOME WHITE BLOOD  
OR DESCENDANTS  
OF LIGHT COLORED  
AFRICANS

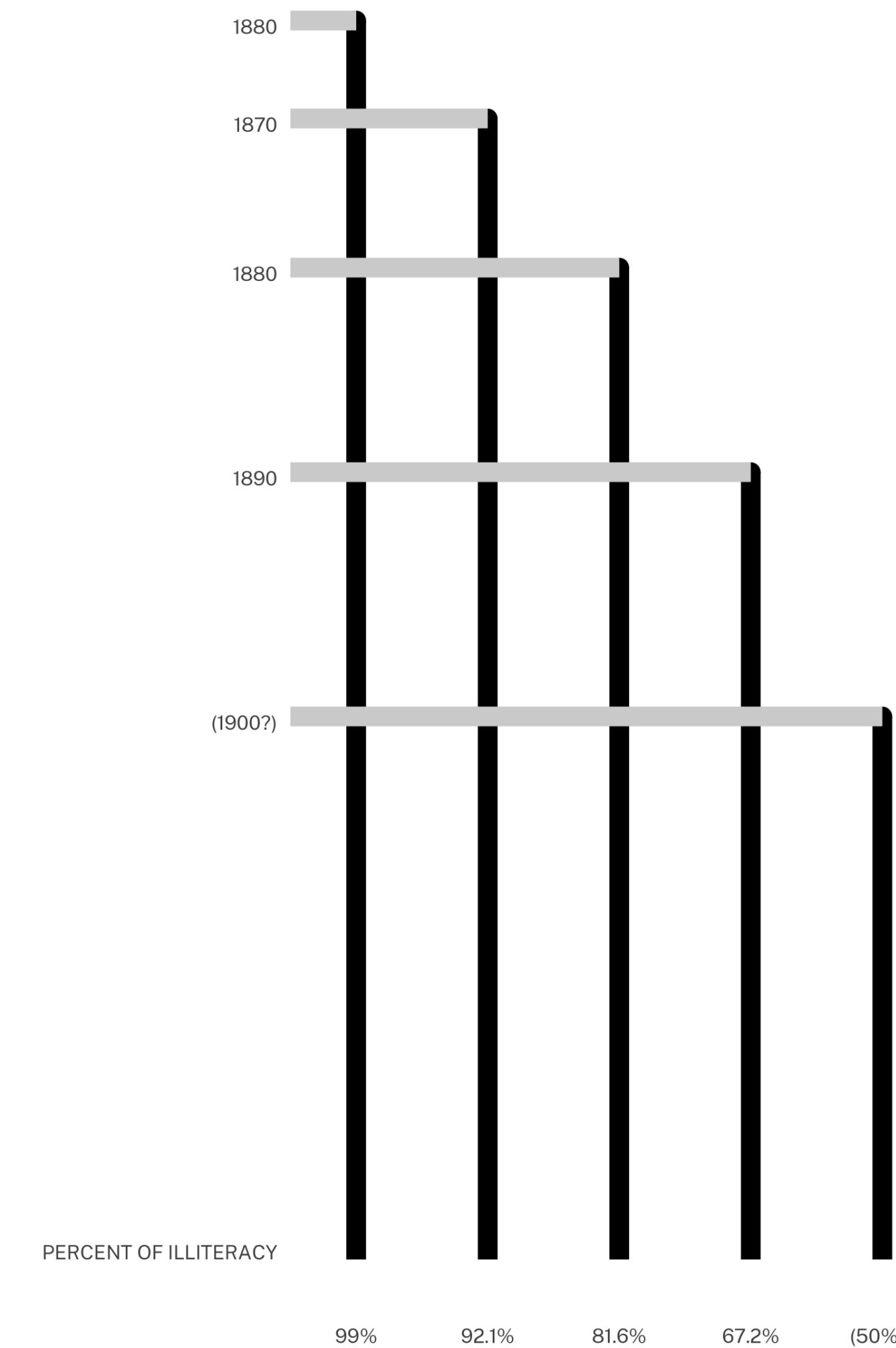
40%

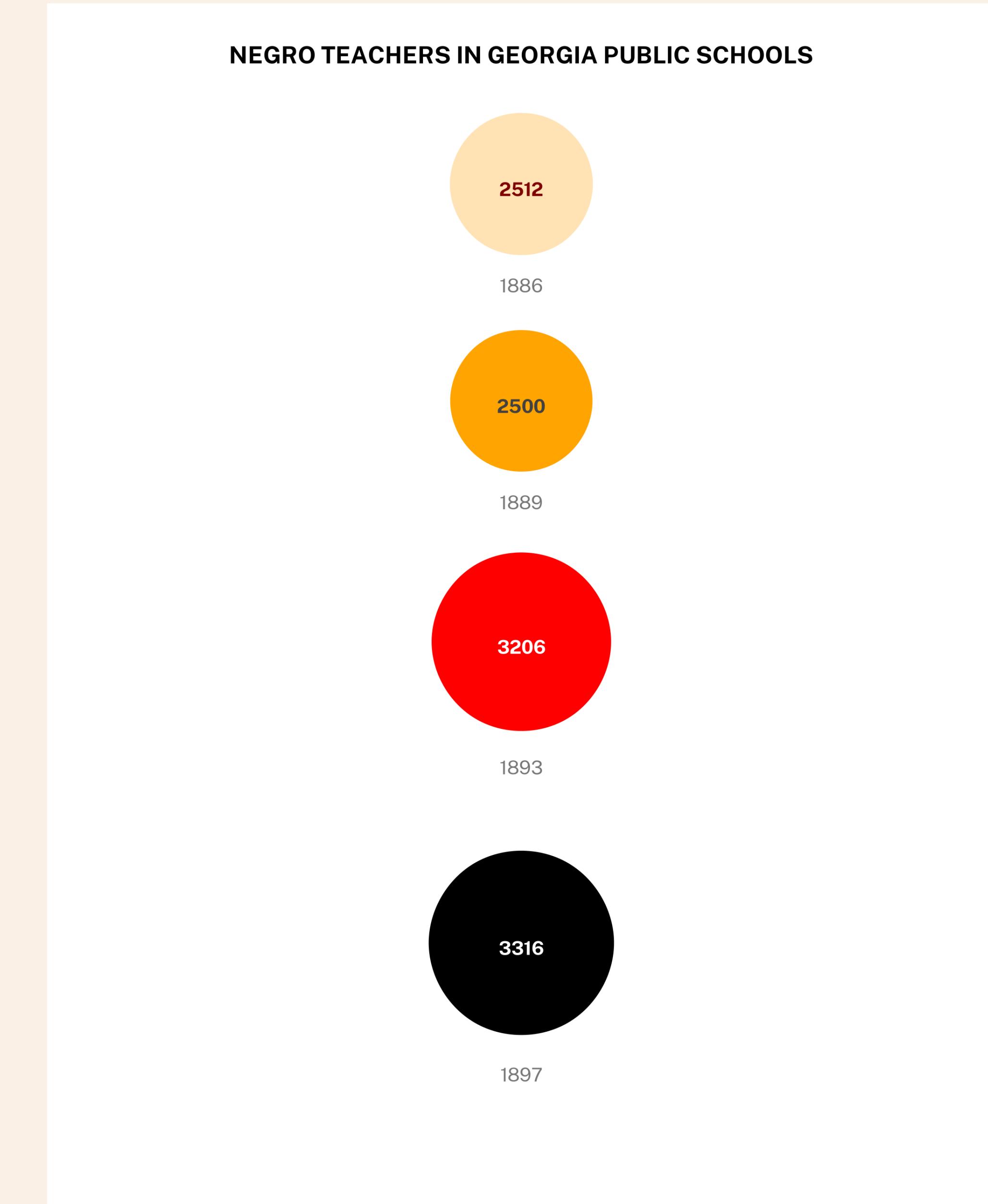
## YELLOW.

I.E. PERSONS WITH  
MORE WHITE THAN  
NEGRO BLOOD

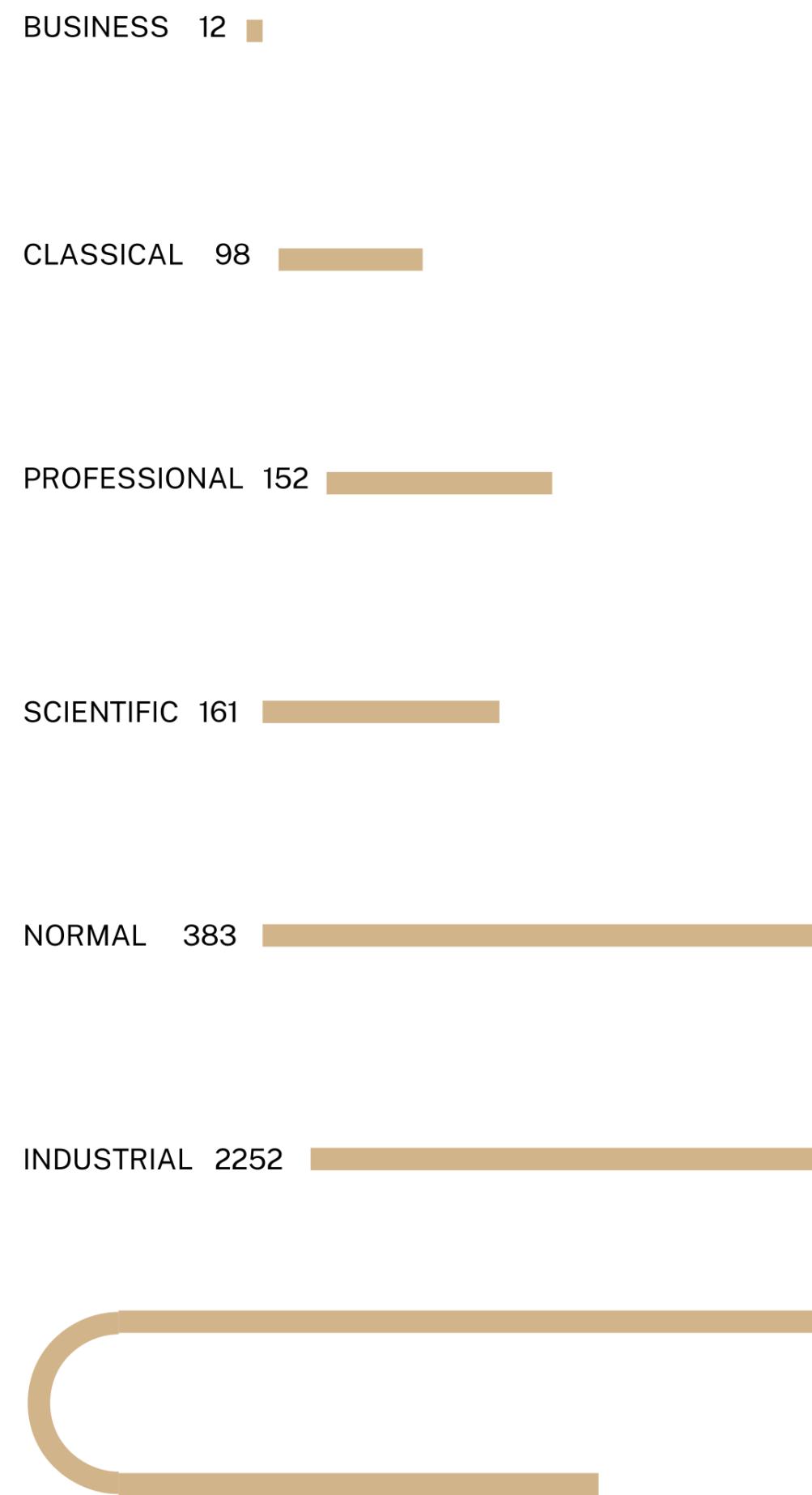
16%

## ILLITERACY.





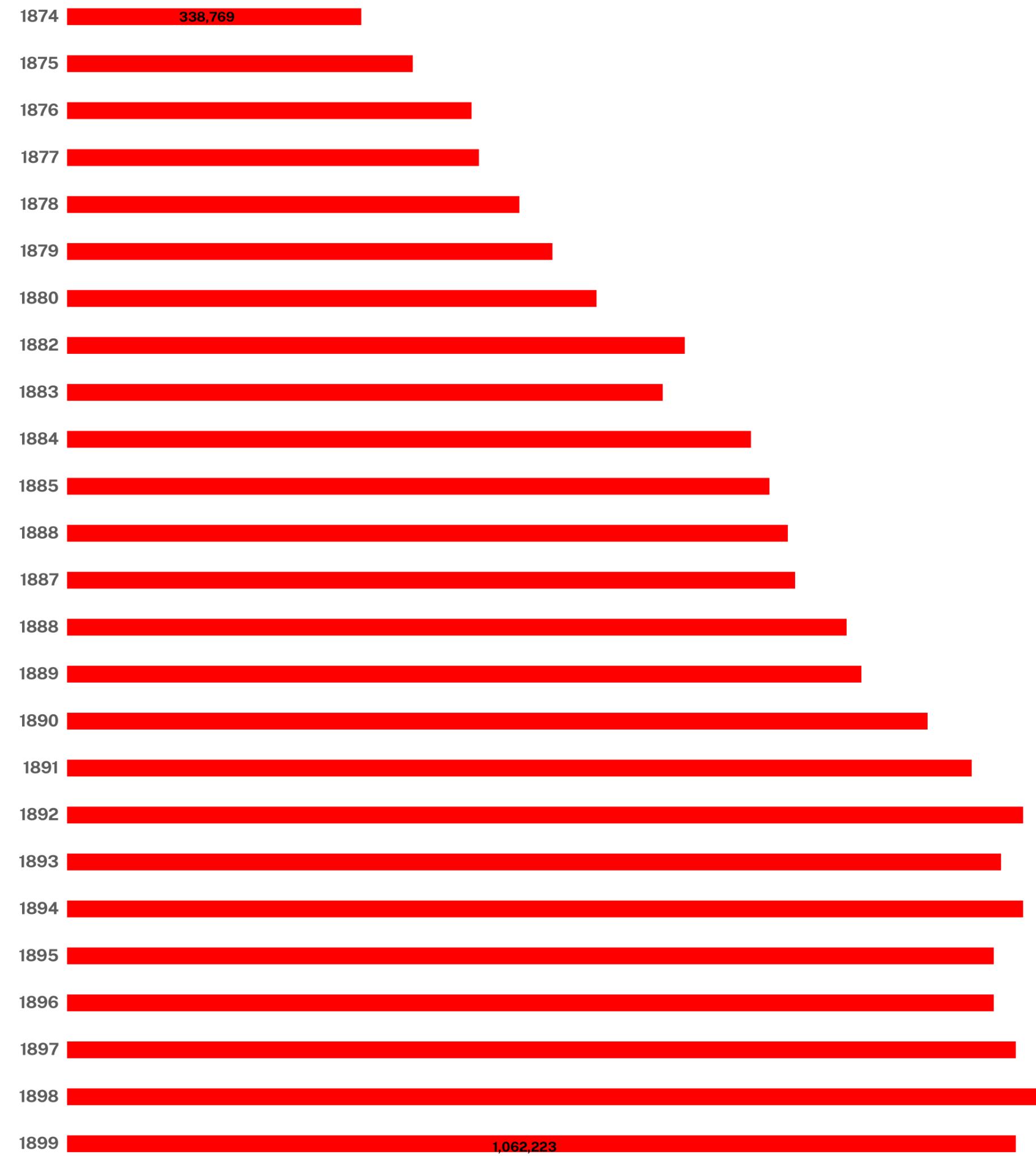
**NUMBER OF NEGRO STUDENTS TAKING  
THE VARIOUS COURSES OF STUDY  
OFFERED IN GEORGIA SCHOOLS.**



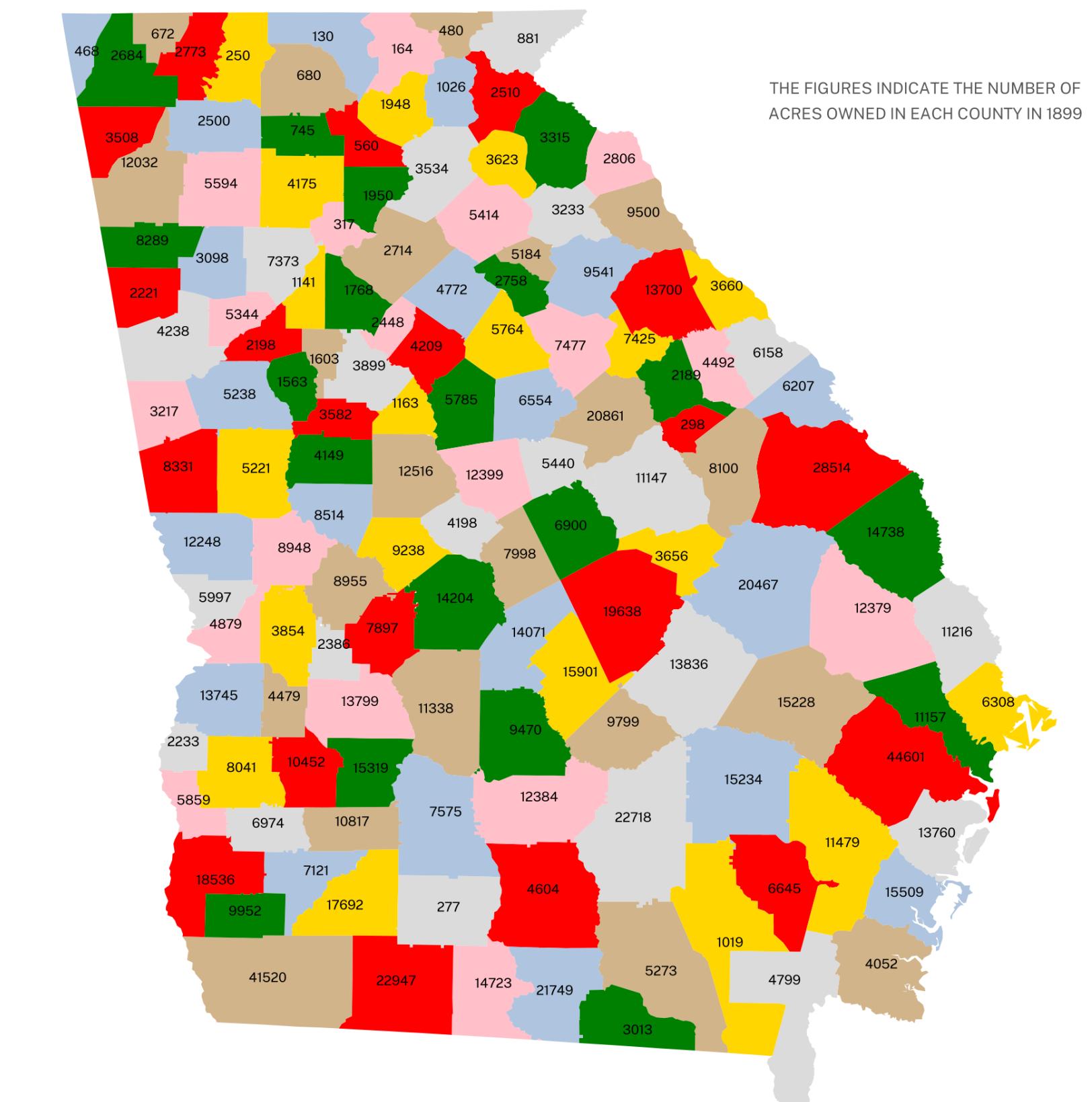
**VALUE OF LAND OWNED BY GEORGIA NEGROES.**



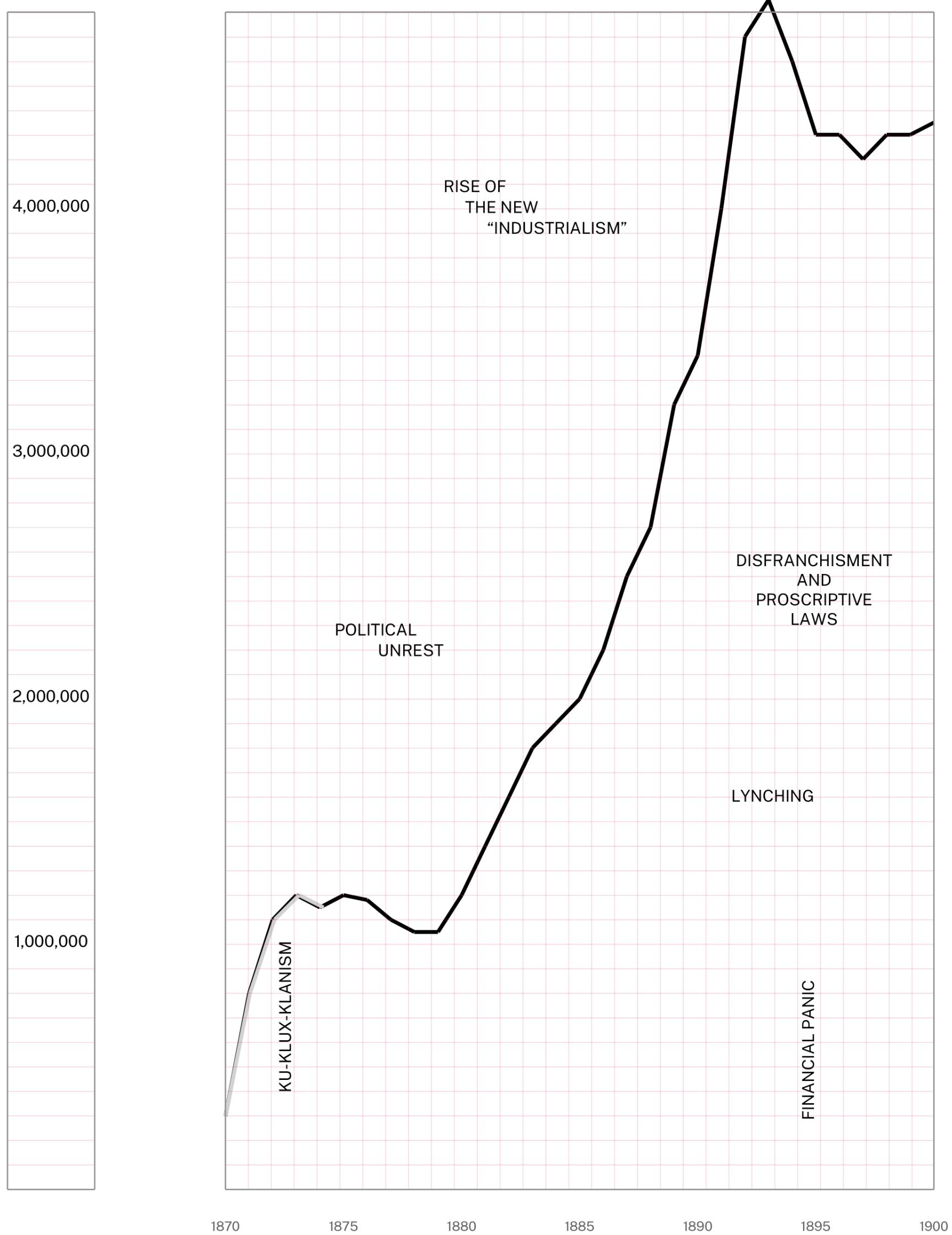
## ACRES OF LAND OWNED BY NEGROES IN GEORGIA.



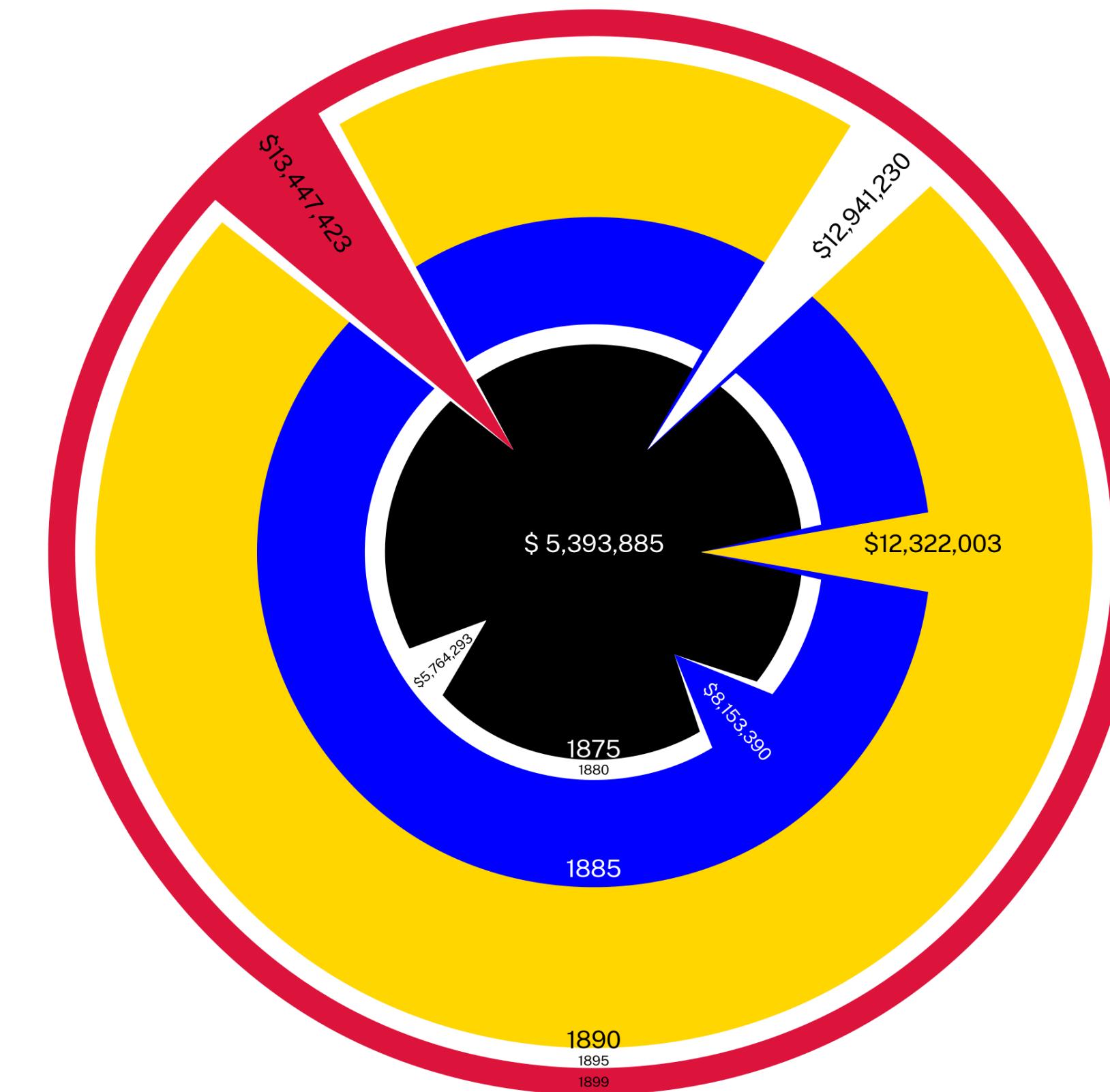
## LAND OWNED BY NEGROES IN GEORGIA, U.S.A 1870-1900.



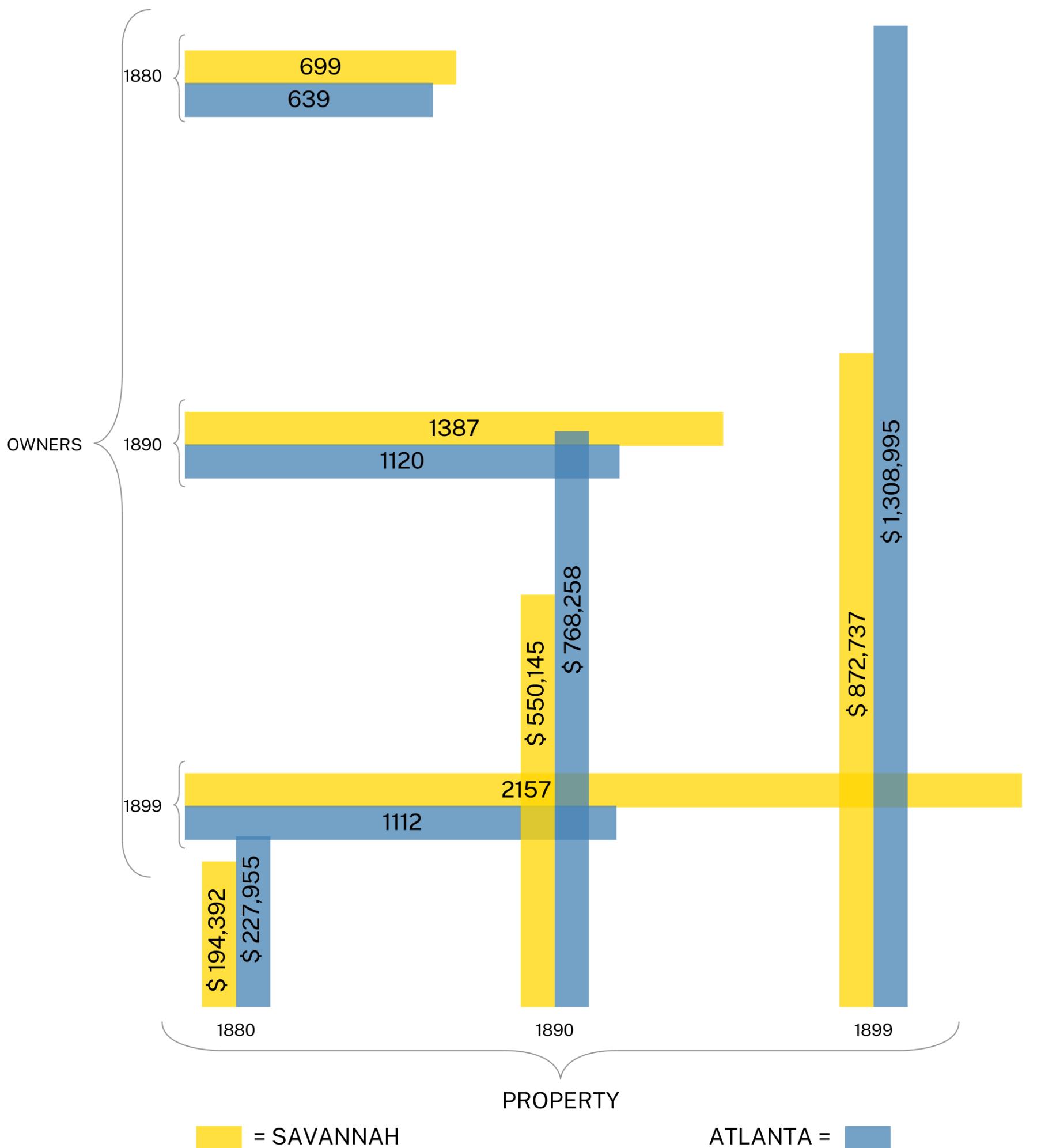
### VALUATION OF TOWN AND CITY PROPERTY OWNED BY GEORGIA NEGROES



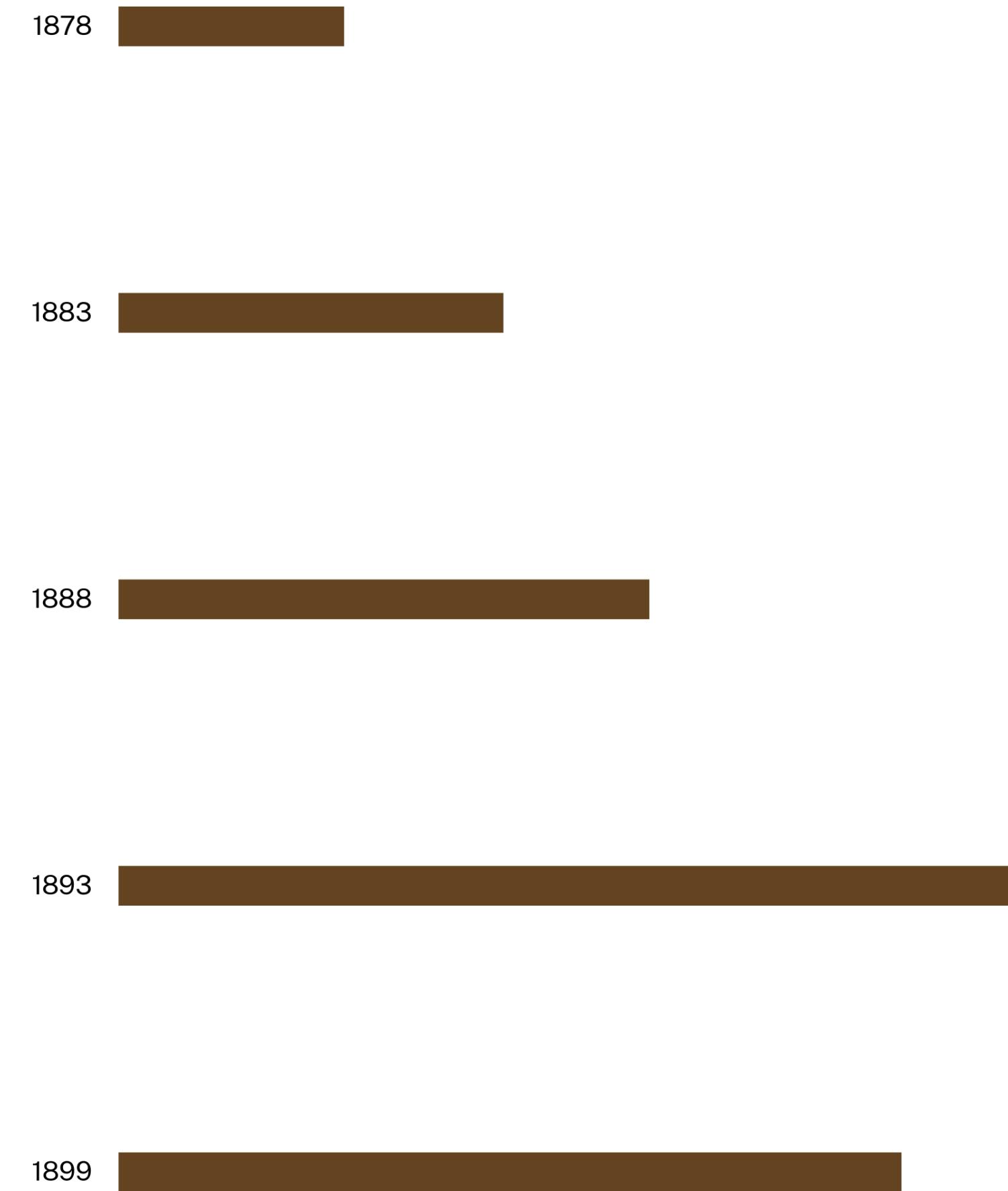
### ASSESSED VALUATION OF ALL TAXABLE PROPERTY OWNED BY GEORGIA NEGROES.



## NEGRO PROPERTY IN TWO CITIES OF GEORGIA



## VALUE OF FARMING TOOLS.



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

|        |             |
|--------|-------------|
| 1875 — | \$ 21,186   |
| 1880 — | \$ 498,532  |
| 1885 — | " 736,170   |
| 1890 — | " 1,173,624 |
| 1895 — | " 1,322,694 |
| 1899 — | " 1,434,975 |



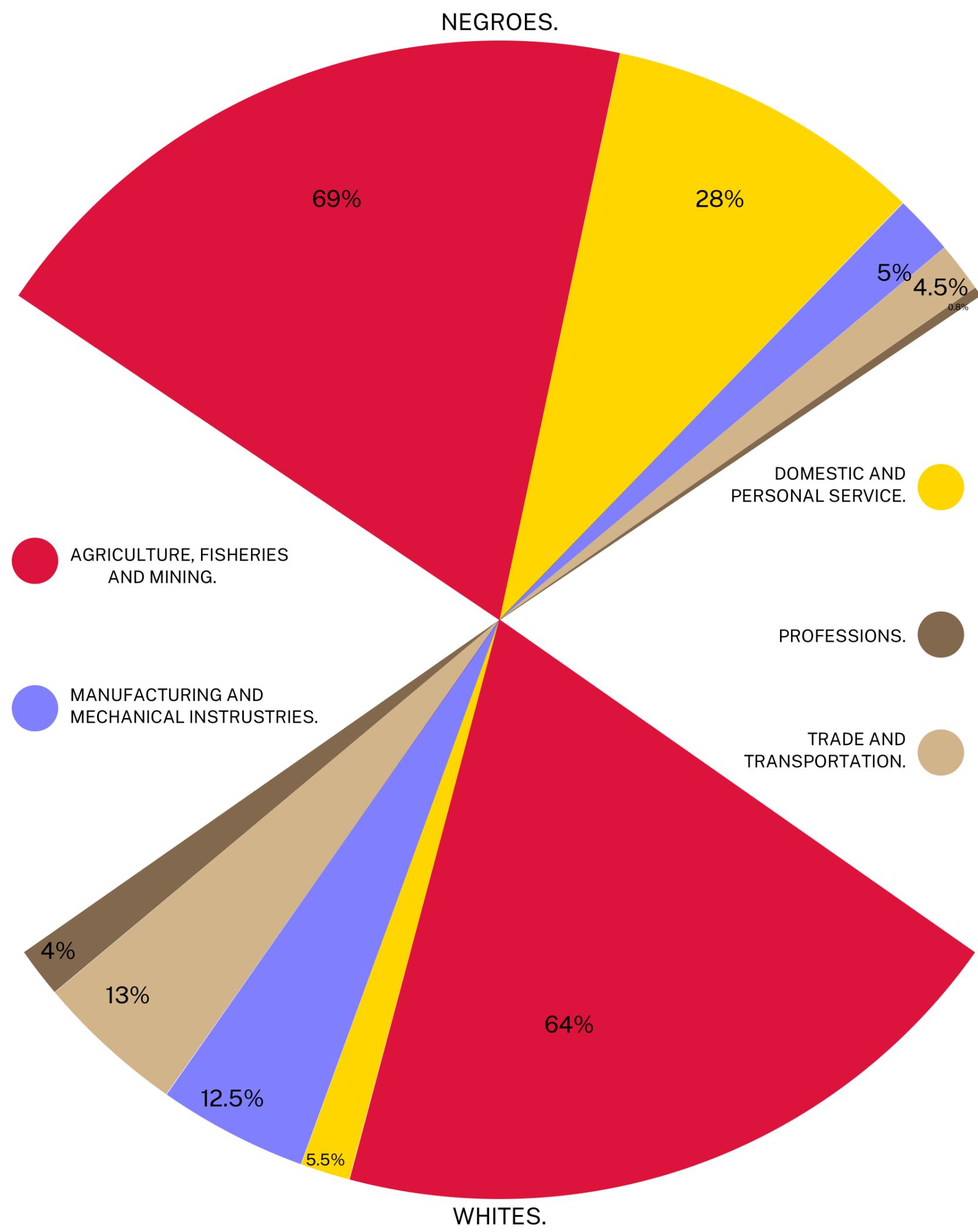
OCCUPATIONS OF GEORGIA NEGROES.

MALES OVER 10

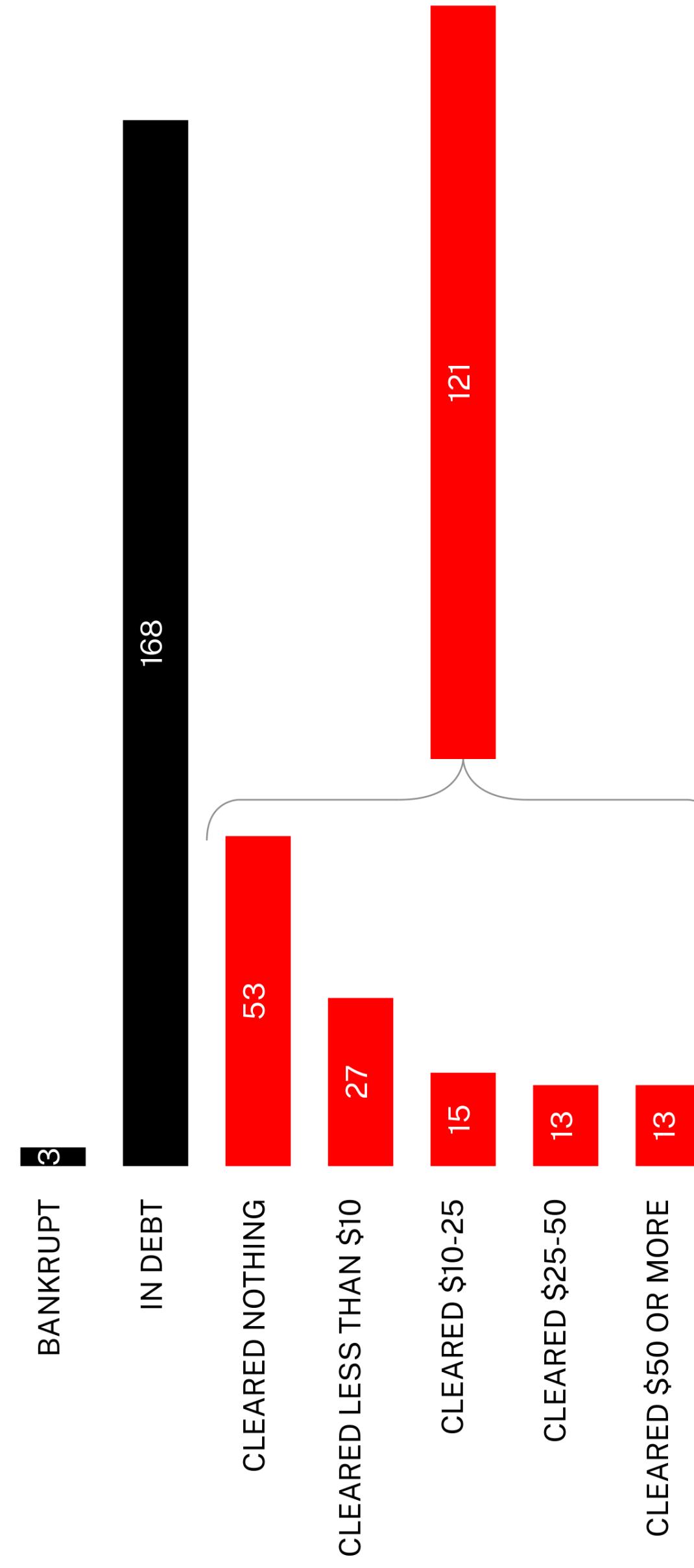
|                                 |        |
|---------------------------------|--------|
| AGRICULTURAL LABORERS           | 98,400 |
| FARMERS AND PLANTERS            | 63,012 |
| LABORERS                        | 29,723 |
| STEAM RAILWAY EMPLOYEES         | 7,440  |
| SERVANTS                        | 7,000  |
| DRAYMEN,HACKMEN                 | 4,390  |
| CARPENTERS AND JOINERS          | 3,781  |
| SAW AND PLANING MILL EMPLOYEES  | 2,471  |
| MESSENGERS                      | 1,970  |
| WOOD CHOPPERS                   | 1,399  |
| BLACKSMITHS AND WHEELWRIGHTS    | 1,328  |
| CLERGYMEN                       | 1,277  |
| MASONS                          | 1,243  |
| BRICK-MAKERS AND MASONS         | 1,243  |
| BARBERS                         | 899    |
| MERCHANTS                       | 837    |
| PAINTERS,GLAZERS AND VARNISHERS | 676    |
| BOOT AND SHOE MAKERS            | 632    |
| PROFESSORS AND TEACHERS         | 620    |
| LIVERY STABLE KEEPERS           | 620    |
| ENGINEERS                       | 520    |
| GARDNERS AND FLORISTS           | 519    |

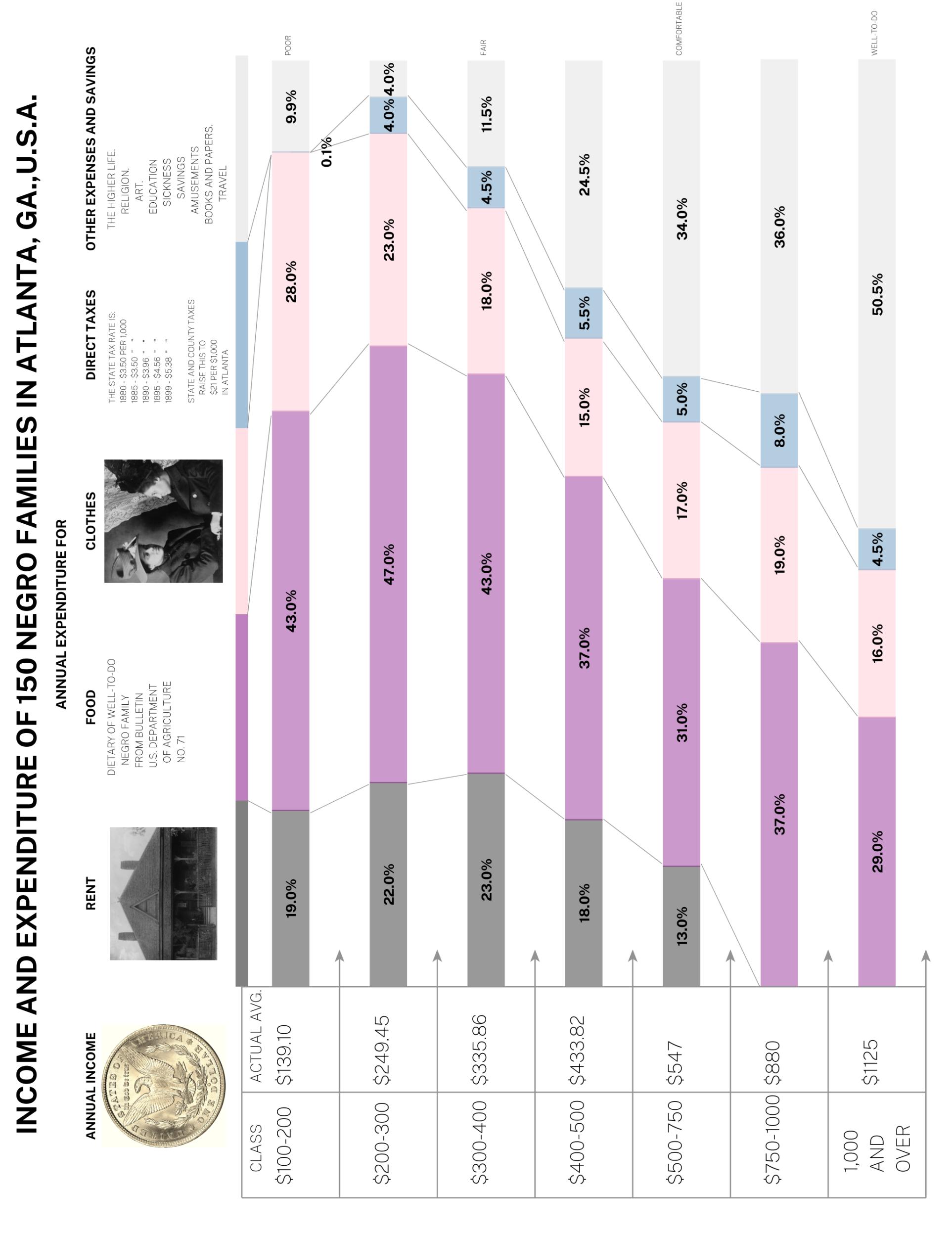
1890.

## OCCUPATIONS OF NEGROES AND WHITES IN GEORGIA.



## CONDITION OF 300 NEGRO FARM TENANTS AFTER 1 YEAR'S TOIL, 1898.



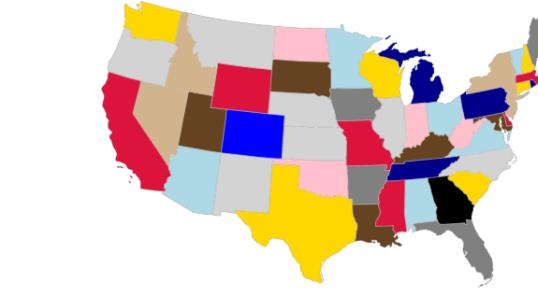


## A SERIES OF STATISTICAL CHARTS, ILLUSTRATING THE CONDITIONS OF THE DESCENDANTS OF FORMER AFRICAN SLAVES NOW RESIDENT IN THE UNITED STATES OF AMERICA.

UNE SÉRIE DE CARTES ET DIAGRAMMES STATISTIQUES MONTRANT LA CONDITION PRÉSENTE DES DESCENDANTS DES ANCIENS ESCLAVES AFRICAINS 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

PREPARE ET EXECUTE PAR  
NÈGRES ÉTUDIANTS SOUS  
LA DIRECTION DE L'UNIVERSITÉ ATLANTA  
D'ATLANTA  
ETAT DE GEORGIA  
ETATS UNIS D'AMÉRIQUE

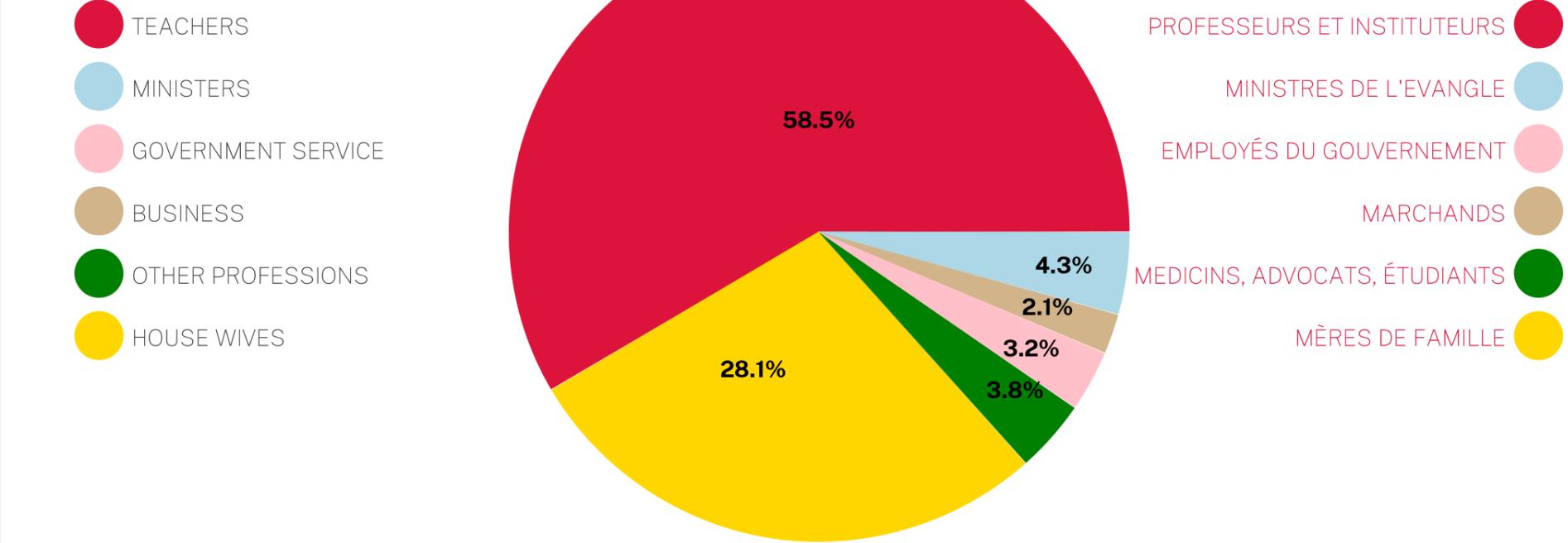


THE UNIVERSITY WAS FOUNDED IN 1867. IT HAS INSTRUCTED 6000 NEGRO STUDENTS

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

IT HAS GRADUATED 330 NEGROES AMONG WHOM ARE:

ELLE A D'ÉLVIRE DES DIPLÔMES A 330 NÈGRES DONT:



THE UNIVERSITY HAS 20 PROFESSORS AND INSTRUCTORS AND 250 STUDENTS AT PRESENT.

IT HAS FIVE BUILDING, 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.

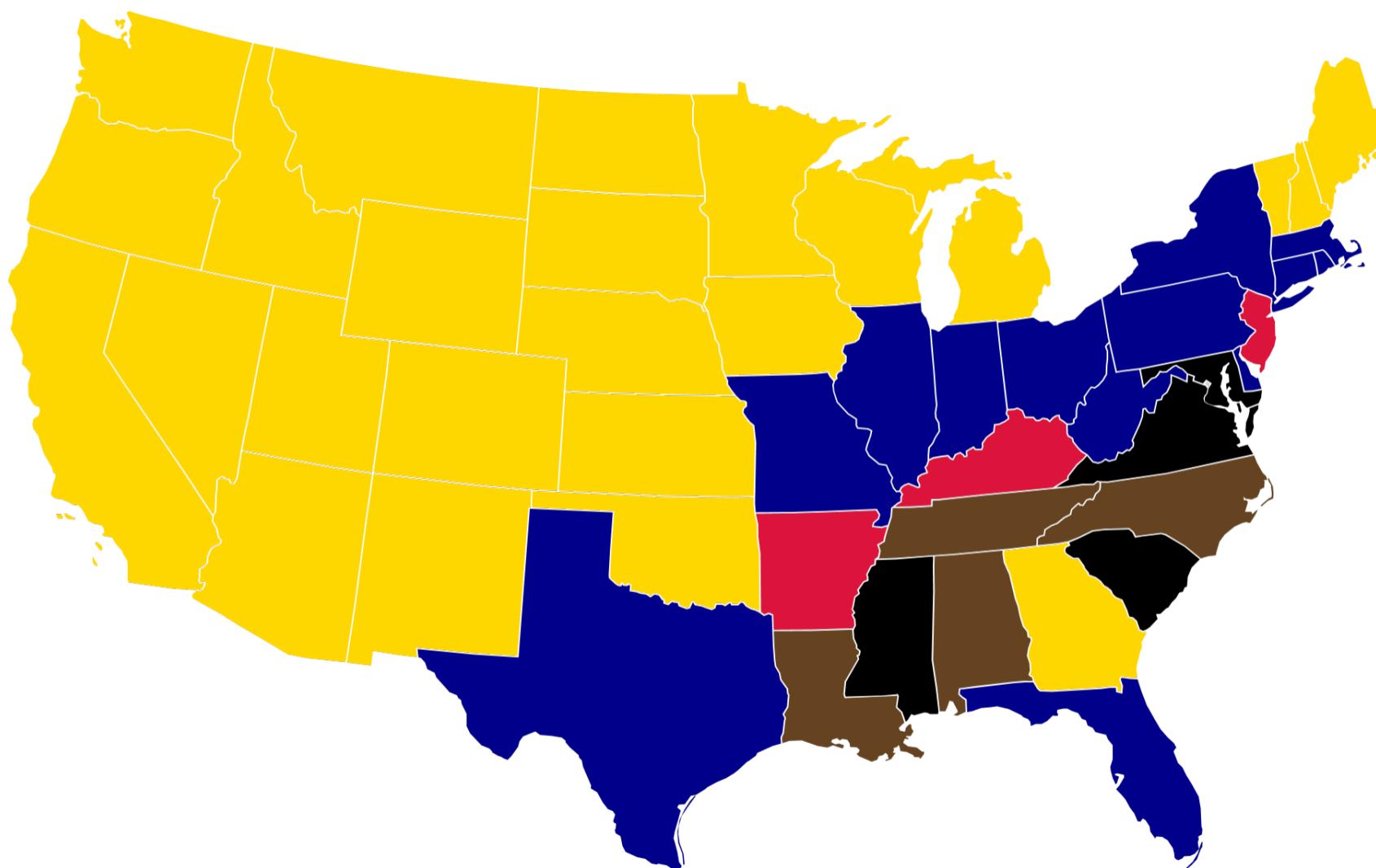
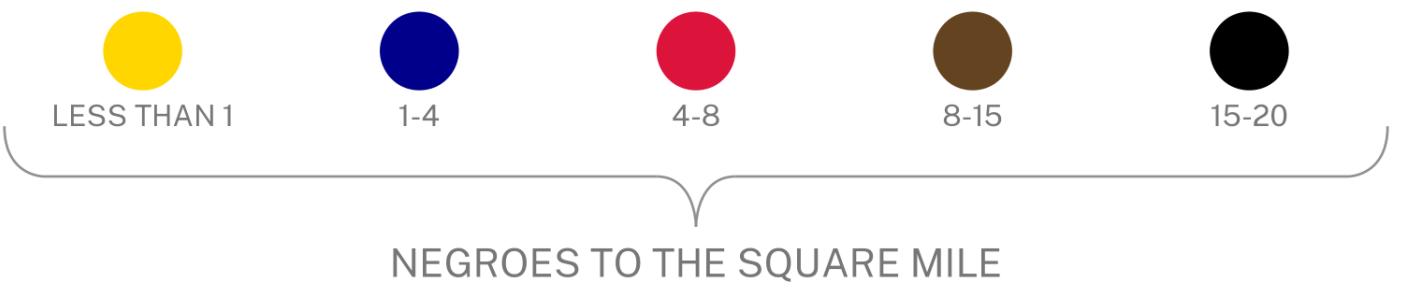
L'UNIVERSITÉ A ACTUELLEMENT 20 PROFESSEURS ET INSTRUCTEURS ET 250 ÉTUDIANTS  
ELLE EST COMPOSÉE DE CINC BÂTIMENTS, 60 ACRES (ENVIRON 26 HECTARES) DE TERRAIN SERVANT DE COUR ET DE CHAMP DE RÉCREATION, ET D'UNE BIBLIOTHÈQUE CONTENANT 11,000 VOLUMES.

SON BUT EST D'ÉLEVER ET DE CIVILISER LES FILS DES NEGRES AFFRANCHIS EN DONNANT AUX MEUX DOUES UNE ÉDUCATION DANS LES ARTS LIBÉRAUX EN ACCORD AVEC LES IDÉES LES PLUS PROGRESSISTES DE L'EPOQUE.

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

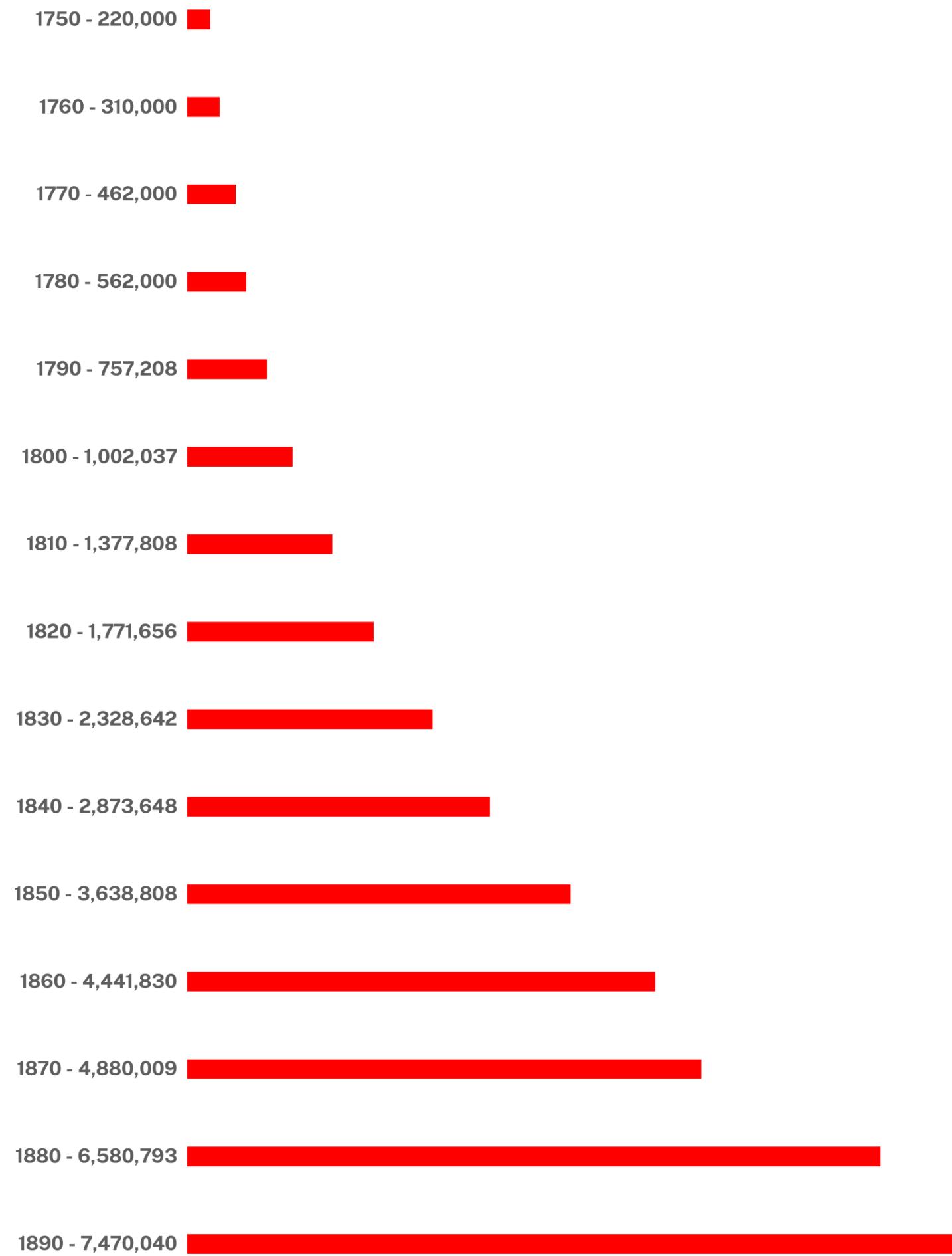
## DISTRIBUTION OF NEGROES IN THE UNITED STATES.

DISTRIBUTION DES NÈGRES DANS LES ÉTATS UNIS.



Increase of the Negro population in the United States of America

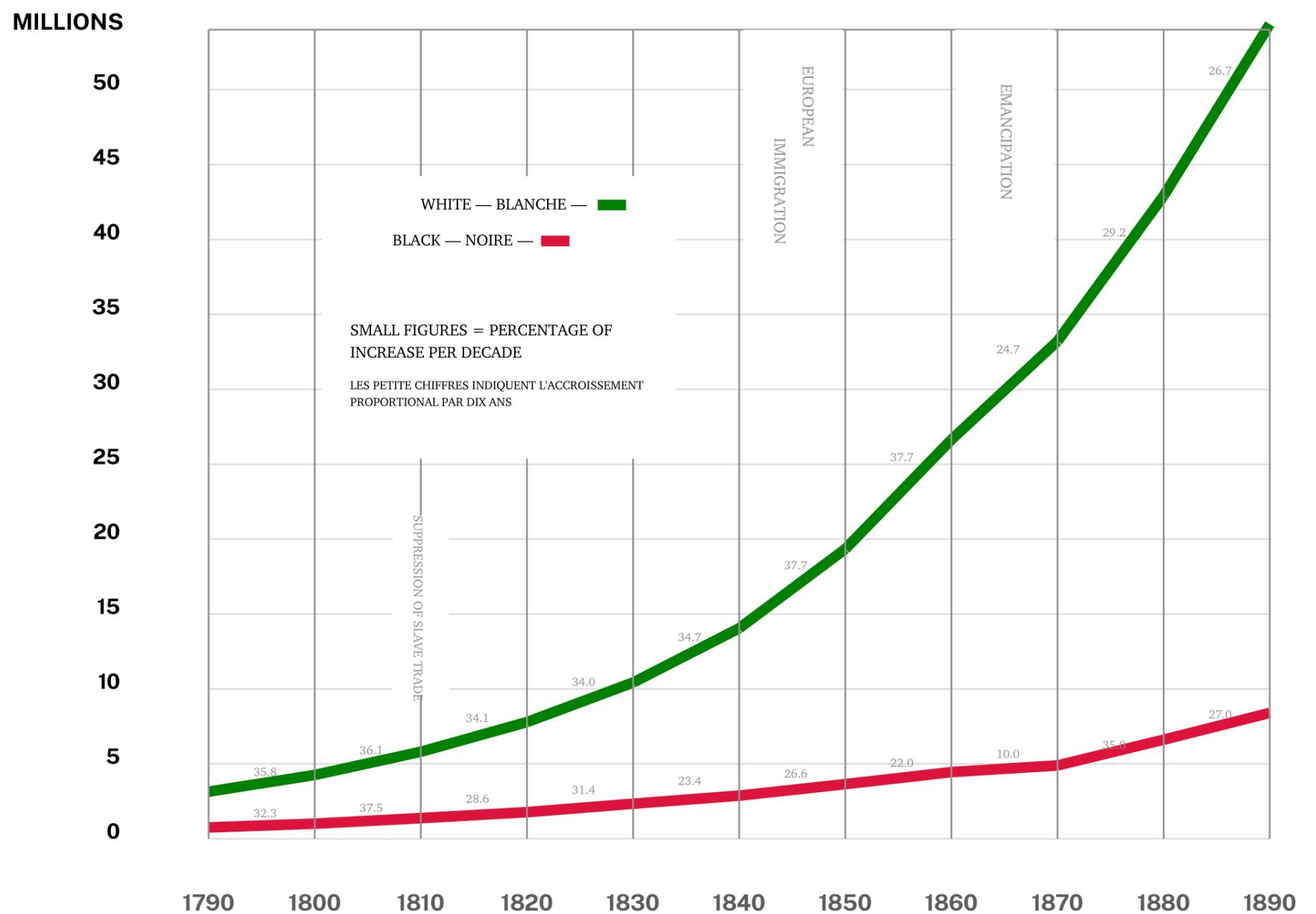
Accroissement de la population Negre aux États-Unis d'Amérique



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

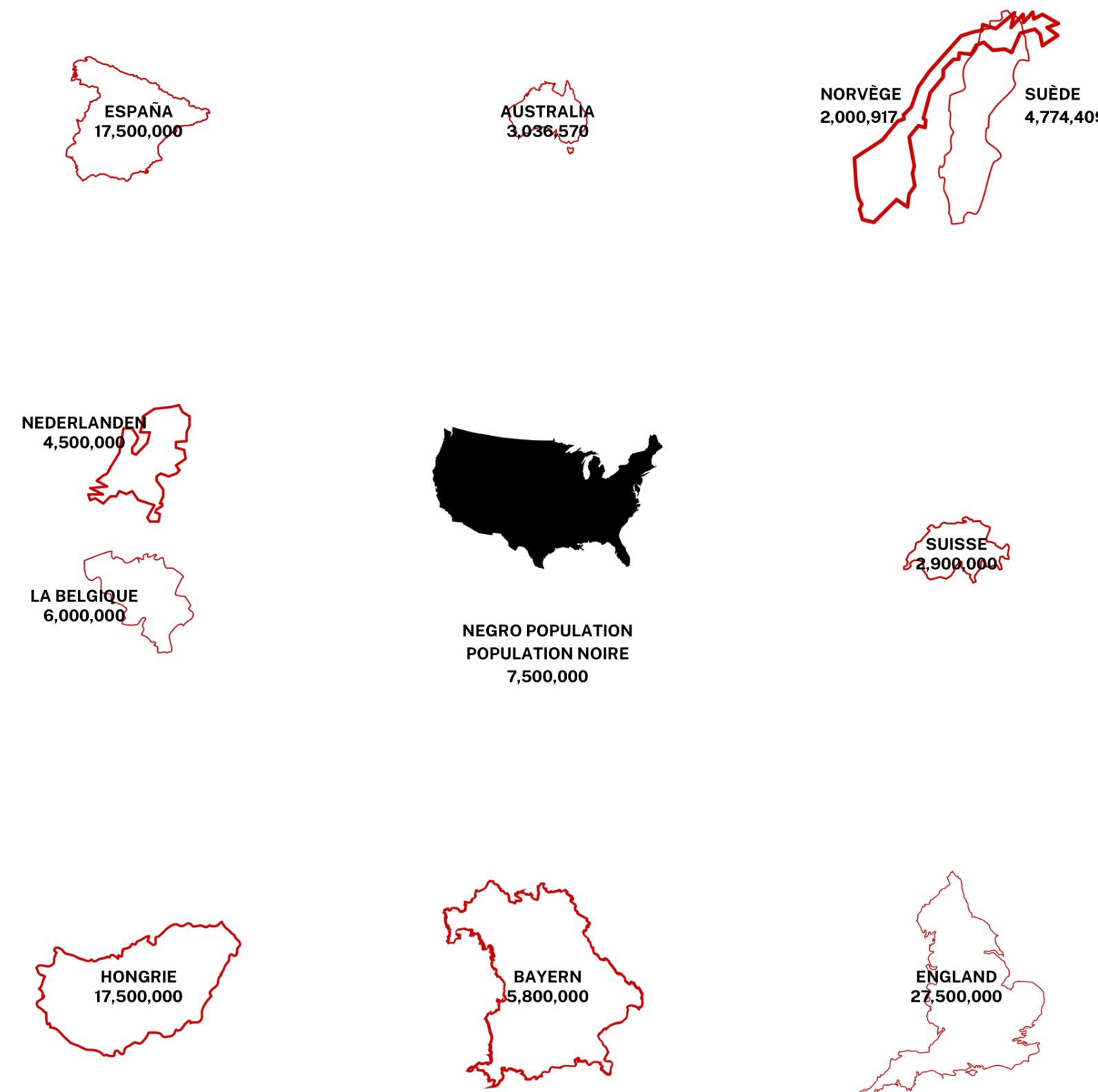
Accroissement proportionnel des éléments blancs et noirs aux Etats Unis

Done by Atlanta University



NEGRO POPULATION OF THE UNITED STATES COMPARED WITH THE TOTAL POPULATION OF OTHER COUNTRIES.

POPULATION NÈGRE DES ETATS UNIS COMPARÉE À LA POPULATION TOTALE DES AUTRES PAYS.



## **PROPORTION OF NEGROES IN THE TOTAL POPULATION OF THE UNITED STATES.**

## RAPPORT DES NÈGRE À LA POPULATION TOTALE DES ETATS UNIS.

1800



ONE-FIFTH

1830



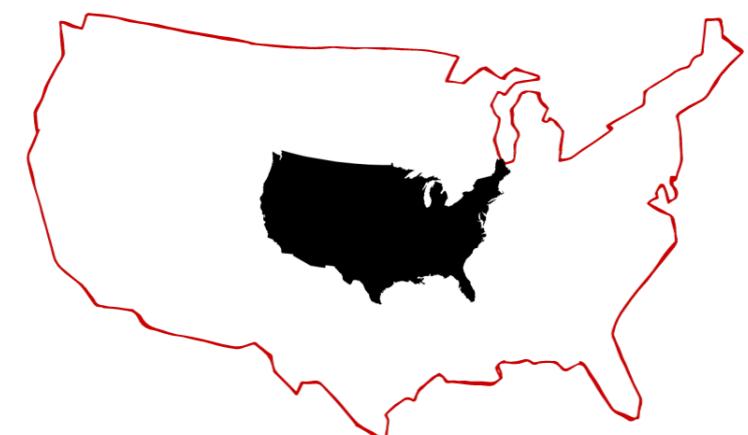
ONE-SIXTH

1860



# ONE-SEVENTH

1890



# ONE-EIGHTH

## Occupations in which American Negroes are engaged.

## Occupations et industries des Nègres Americains.

Done by Atlanta University.

## BOTH SEXES.

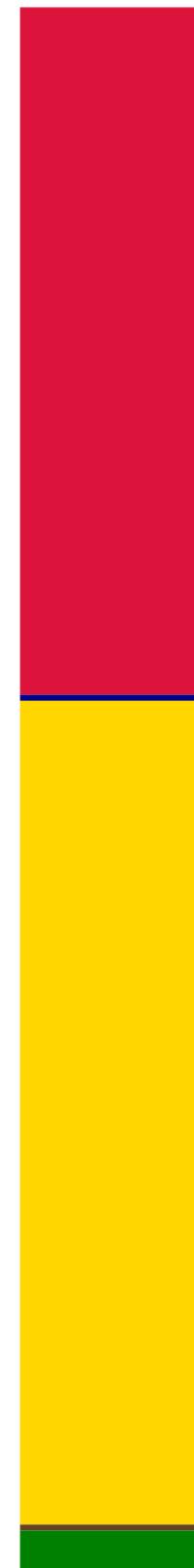
## HOMMES ET FEMMES.

AGRICULTURE  
MINING AND  
FISHING.

PROFESSIONS

# DOMESTIC AND PERSONAL SERVICE

COMMERCE AND  
TRANSPORTATION  
MANUFACTURING AND  
MECHANICAL INDUSTRIES



AGRICULTURE,  
PÊCHE ET MINES

## SERVICE DOMESTIQUE ET PERSONNEL

# COMMERCE ET TRANSPORT INDUSTRIES MANUFACTURIÈRES ET MÉCANIQUES

Proportion of Whites and Negroes in the different classes  
occupation in the United States

Proportion des blancs et des Nègres dans les diverses especes d' occupations en Amerique

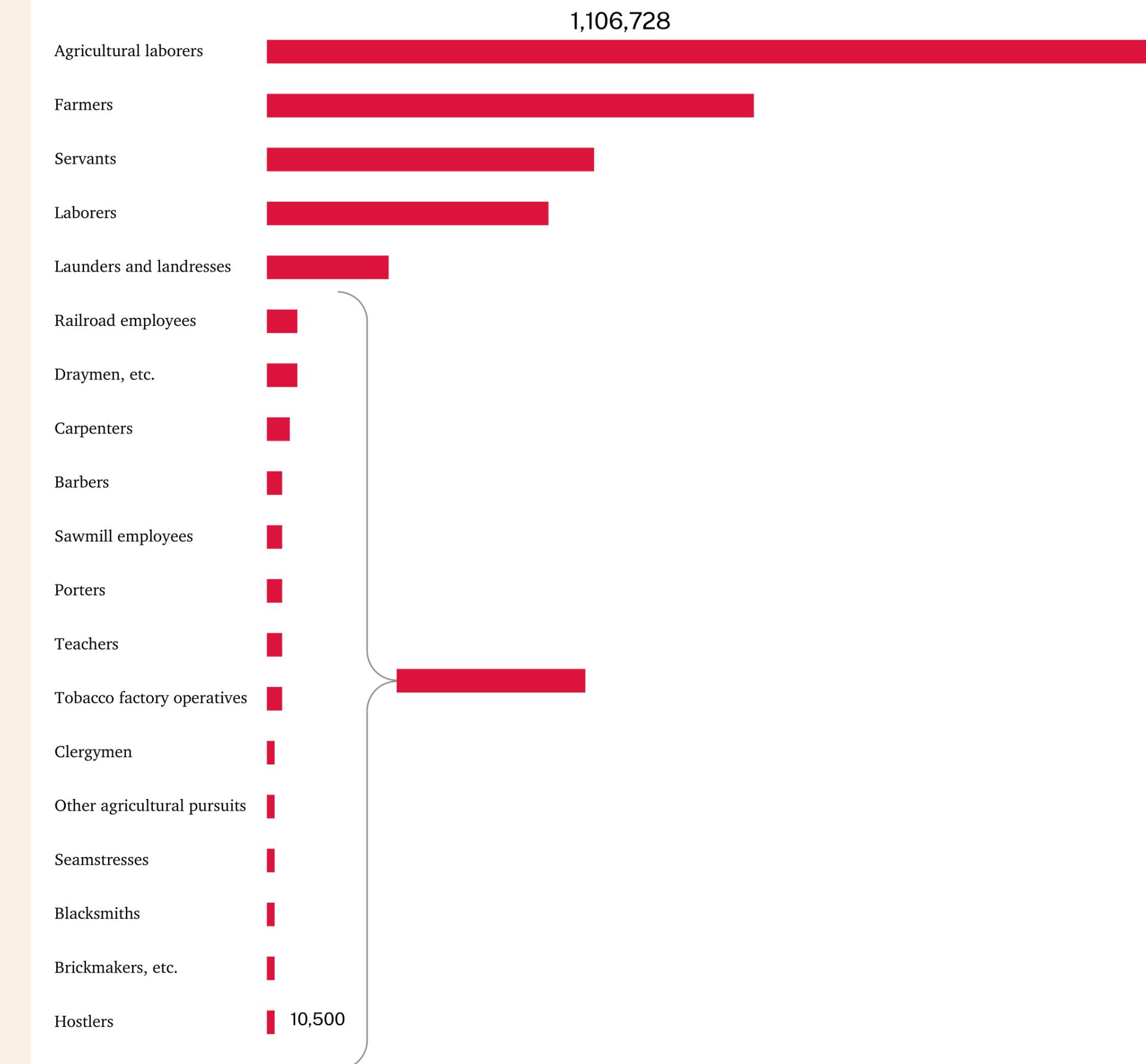
Done by Atlanta University



Occupations in which 10,000 or more American Negroes are engaged.

Emplois occupant au mois 10,000 Nègres Americains

Done by Atlanta University



### Number of Negro teachers in the Public Schools of the United States

Nombre d' institueurs et de professuers Nègres dans les écoles publiques des Etats Unis

Done by Atlanta University

1886



1889



1892



1895



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

Proportion d' illettrés les Nègres Americains comparée à celle des autres nations.

Done by Atlanta University.

Romanie



Servie



Russie



Negroes, U.S.A



Hongrie



Italie



Autriche



Ireland



France



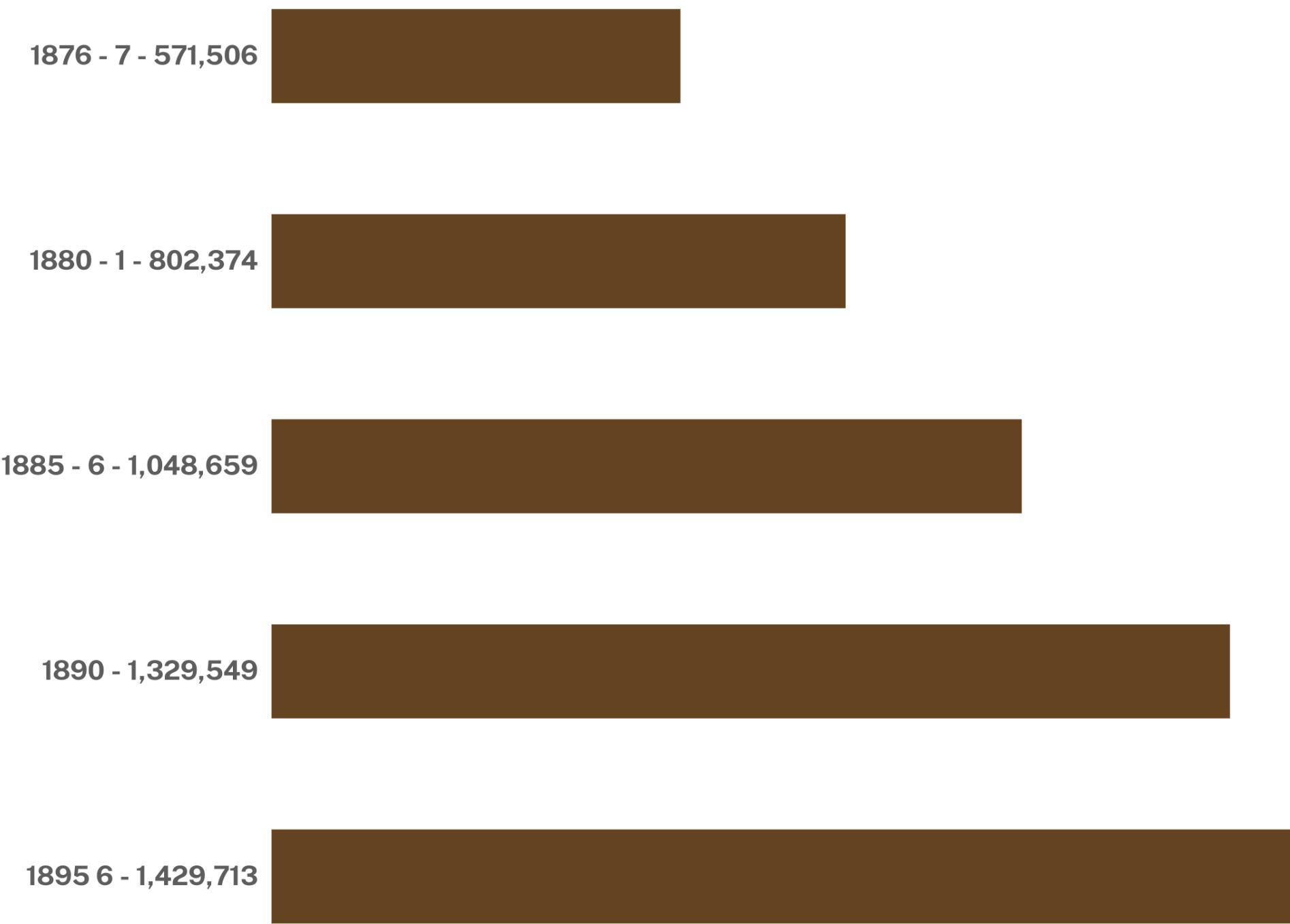
Suéde



Enrollment in the Negro common school of the former slave States.  
of the United States

Inscriptions dans les écoles primaires des anciens états esclaves des Etats Unis.

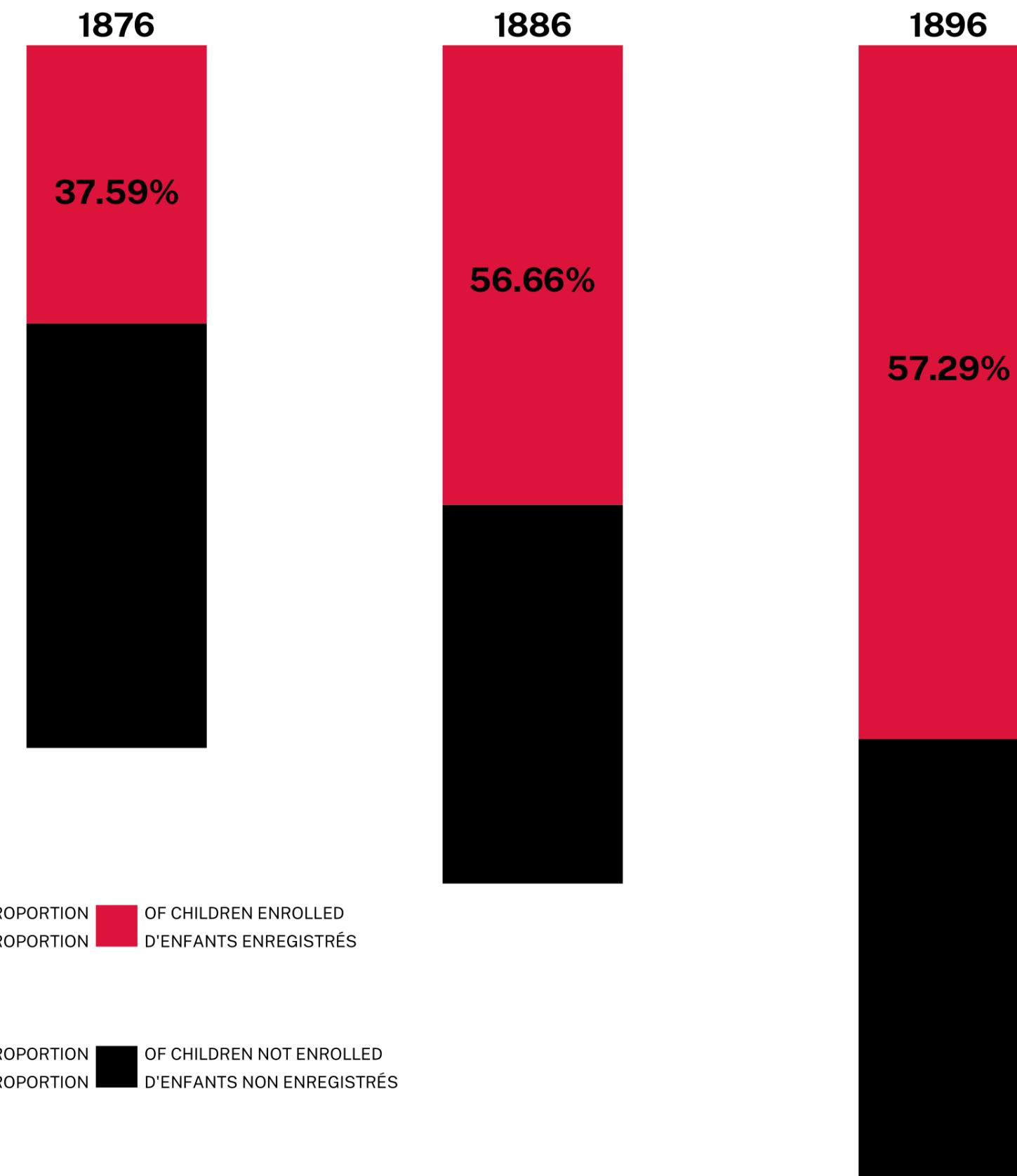
Done by Atlanta University.



PROPORTION OF TOTAL NEGRO CHILDREN OF SCHOOL AGE WHO ARE ENROLLED IN THE PUBLIC SCHOOLS.

PROPORTION DE ENFANTS NÈGRES D'ÂGE ÉCOLES ENREGISTRÉS DANS LES ÉCOLES PUBLIQUES.

DONE BY ALTANTA UNIVERSITY.



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

### PROGRÈS GRADUEL DES NEGROES DE L'ESCLAVAGE À LA LIBERTÉ EN UNE GÉNÉRATION

**1890**

IN 1890 NEARLY ONE FIFTH OF THEM OWNED THEIR OWN HOMES AND FARMS. THIS ADVANCE WAS ACCOMPLISHED ENTIRELY WITHOUT STATE AID, AND IN THE FACE OF PROSCRIPTIVE LAWS.

EN 1890, ENVIRON UN CINQUIÈME ÉTAIENT PROPRIÉTAIRES DE LEURS HABITATIONS ET DE LEURS FERMES. CE PROGRÈS C'EST ACCOMPLI SANS SECOURS AUCUN DE D'ÉTAT ET EN PRÉSENCE LOIS DÉFAVORABLES.

IN 1860 NEARLY 90% OF THE BLACKS WERE SLAVES.

EN 1860 ENVIRON 90% DES NÈGRES ÉTAIENT ESCLAVES.

**1860**

**11%** FREE LABORERS  
OUVRIERS LIBRES

**89%**  
**SLAVES**  
**ESCLAVES**

**19%**  
PEASANT PROPRIETORS  
PAYSANS PROPRIÉTAIRES

**81%**  
TENANTS  
METAYERS

## 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

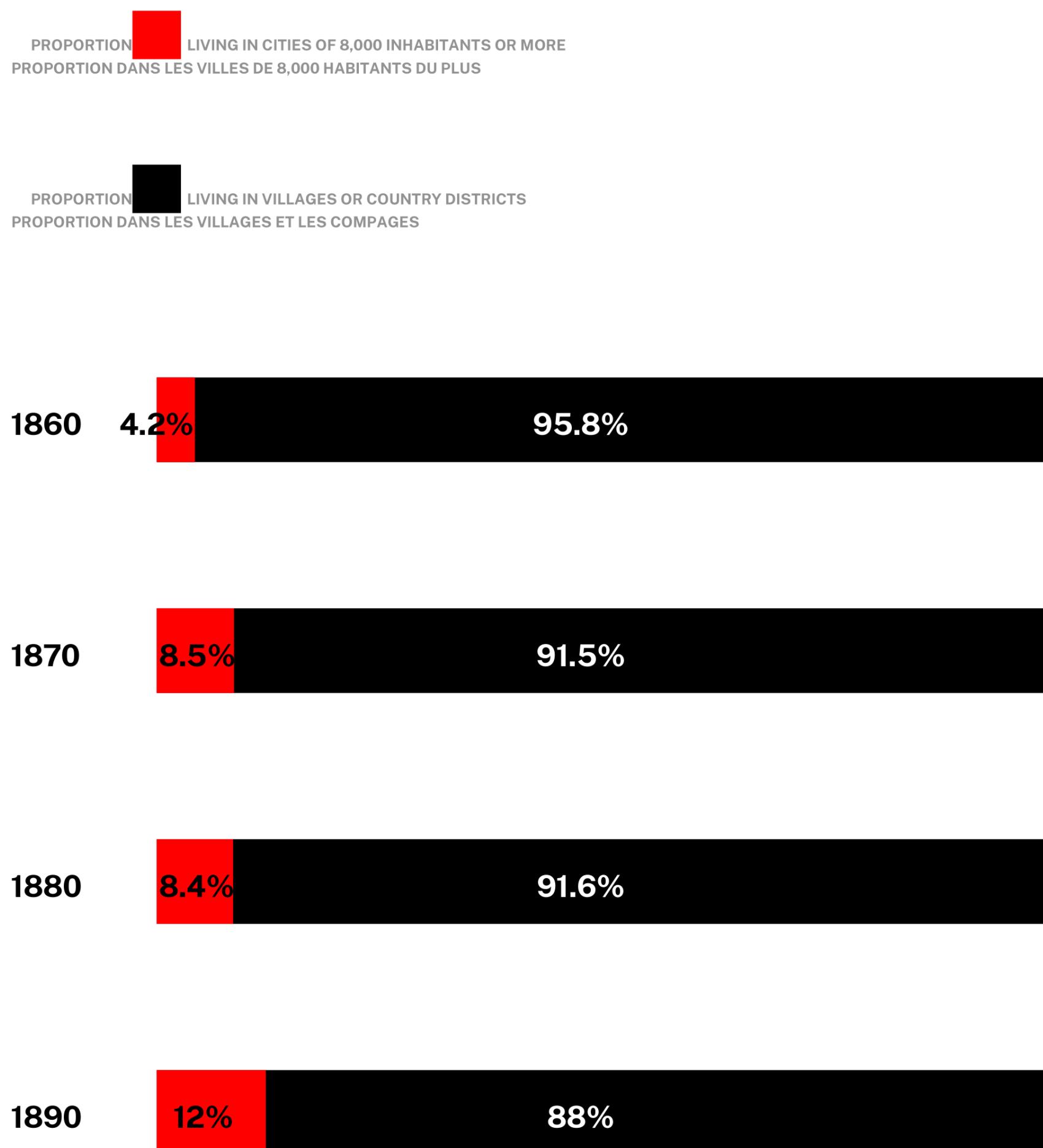
8%  
11%  
13.5%  
13%  
14%  
13%  
12%  
11%  
100%

**FREE - LIBRE**  
**SLAVES**  
**ESCLAVES**

CITY AND RURAL POPULATION AMONG AMERICAN NEGROES IN THE FORMER SLAVE STATES

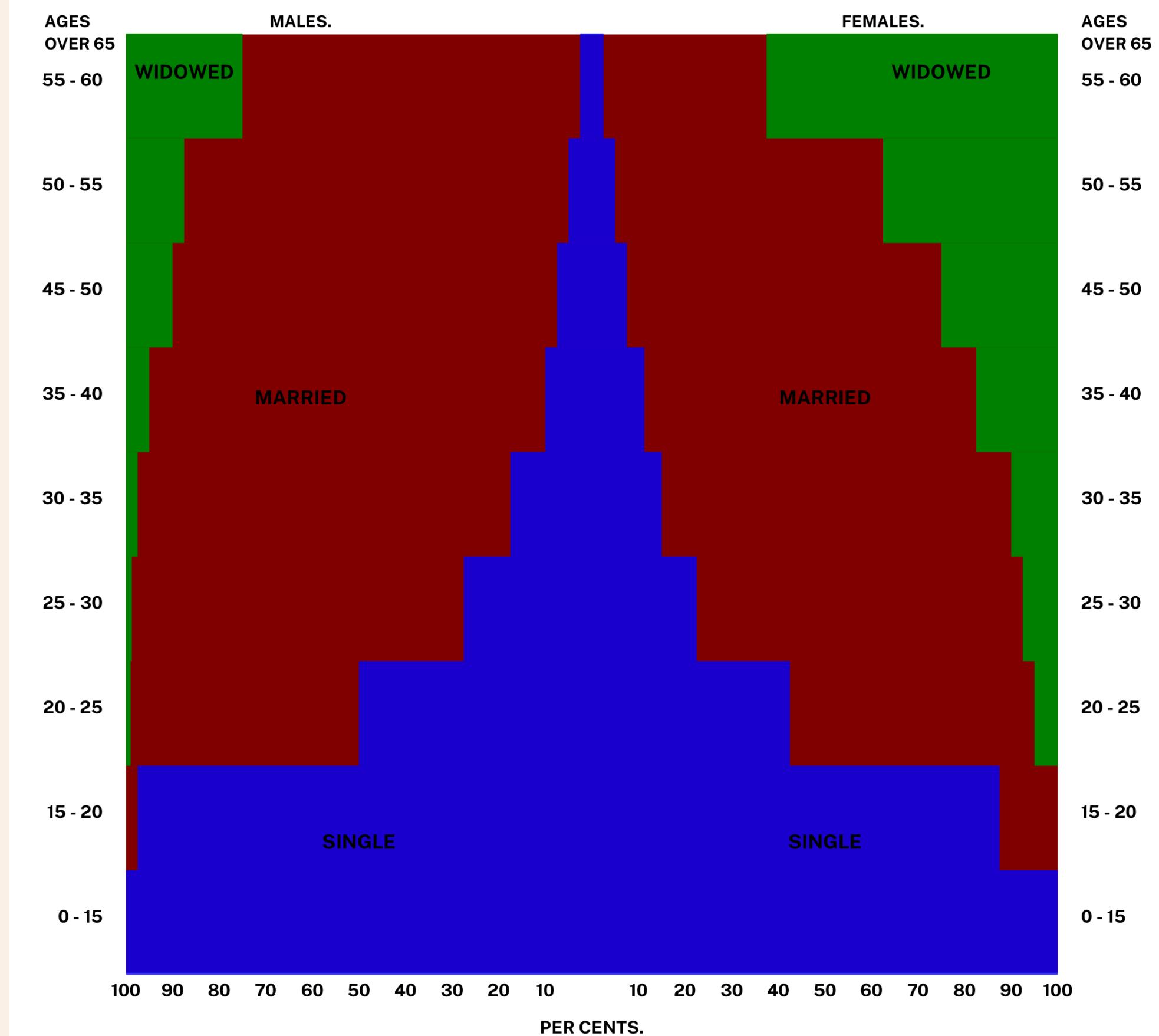
POPULATION DES NÈGRES HABITANT LES VILLES ET DE CEUX HABITANT LES CAMPAGNES DANS LES ANCIENS

ETATS ESCLAVES



Conjugal condition of American Negroes according to age periods.

Condition conjugale des Nègres Americains au point de vue l'âge



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

1800

1840

1860

3,542,147  
90%

411,613  
10%

NEGROES

WHITES

MULATTOES  
MULÂTRES

6,337,980

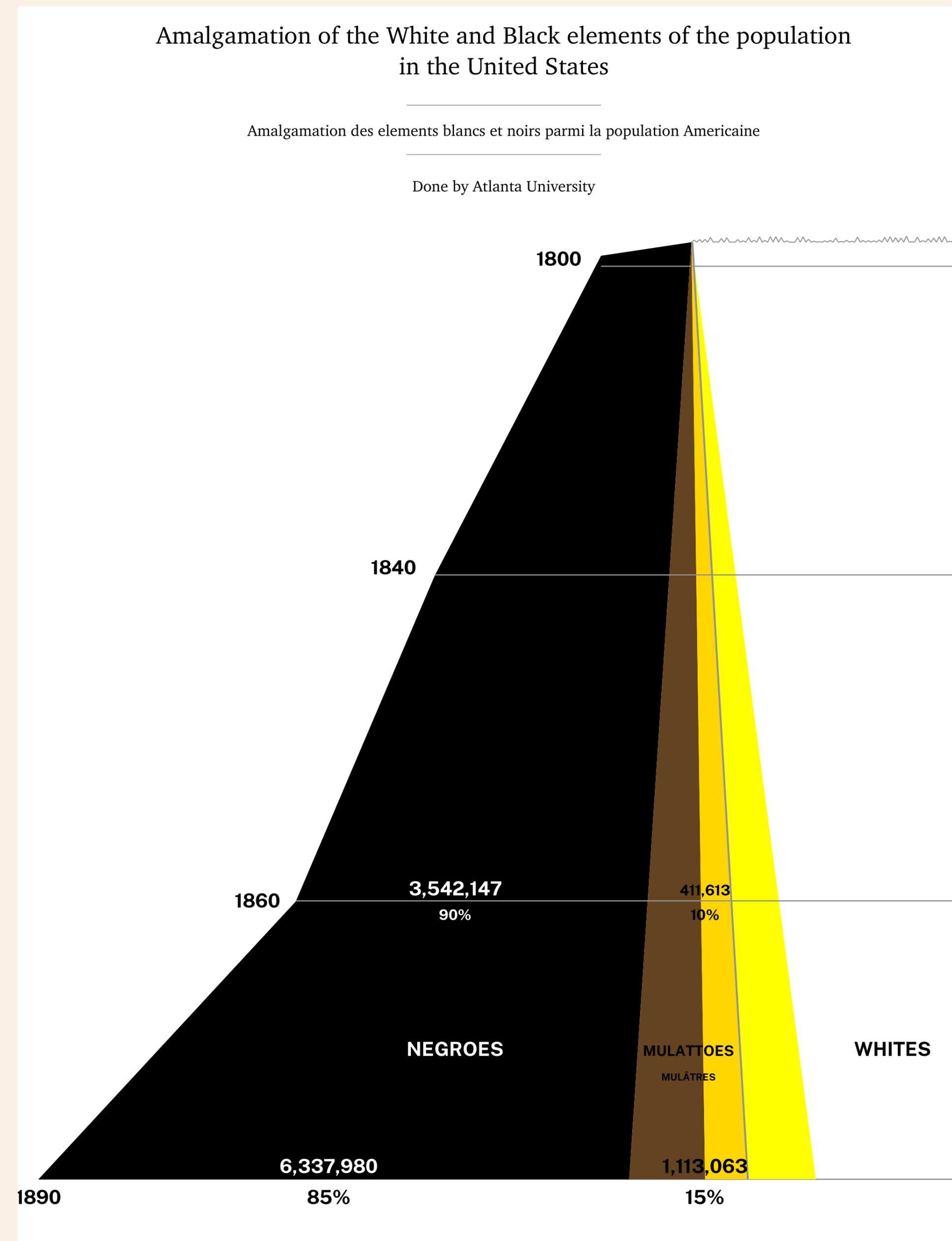
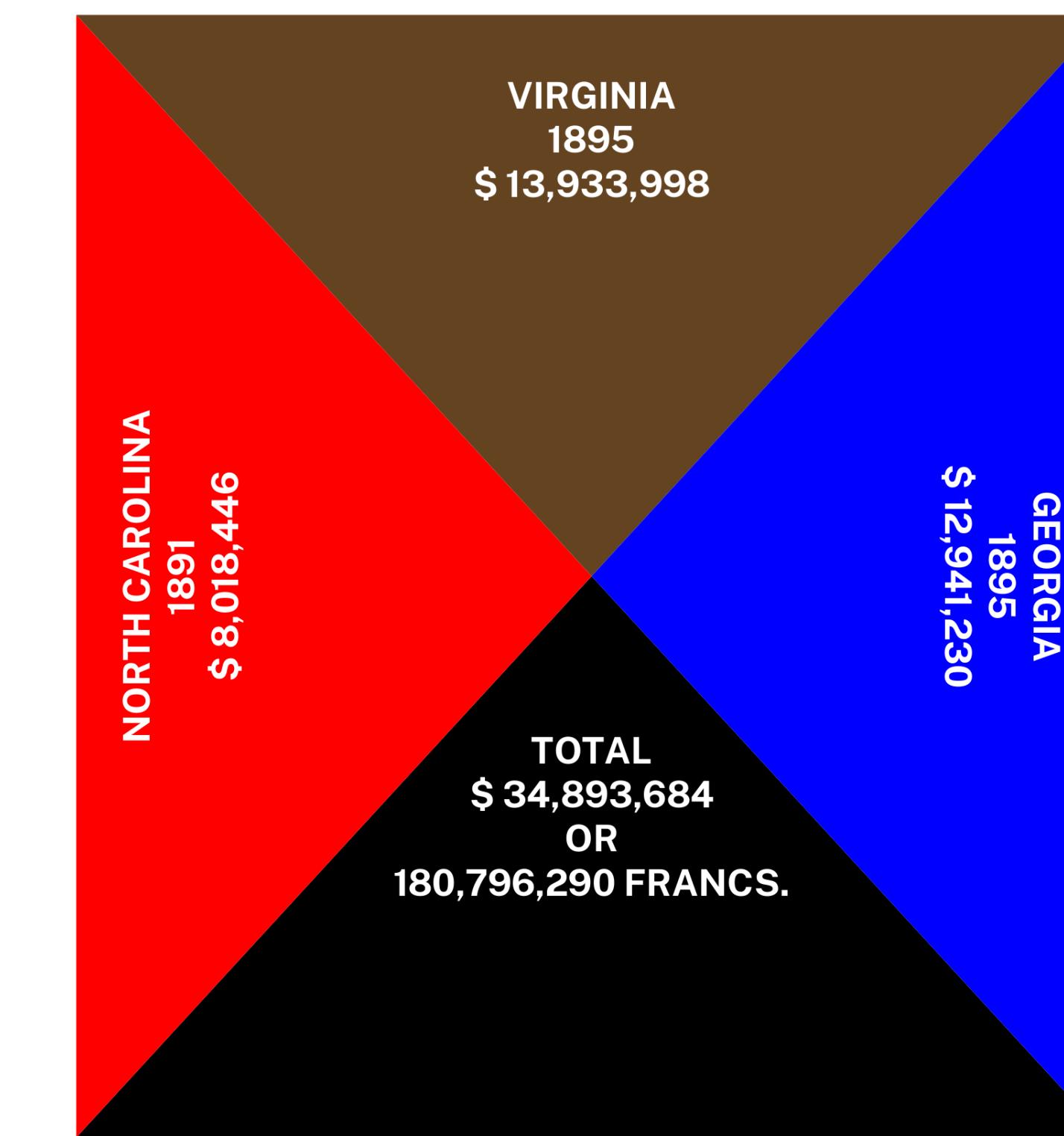
85%

15%

1,113,063

Propriétés contribuables des Nègres dans trois Etats des Etats Unis

Done by Atlanta University

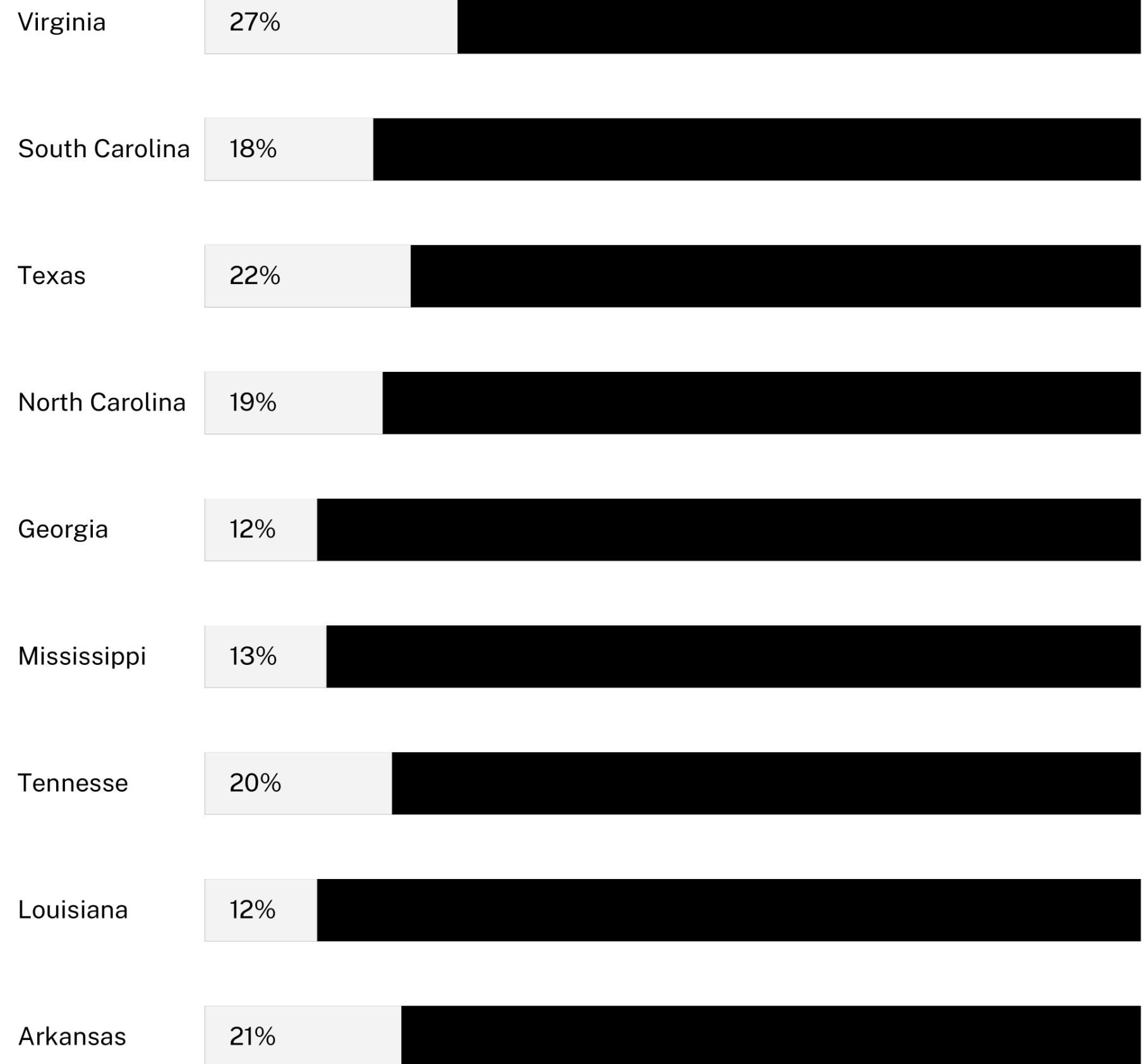


## Negro landowners in various States of the United States.

Propriétaires foncier Nègres dans plusieurs Etats.

OWNERS

TENANTS



## Negro business men in the United States

Nègres Americains dans les affaires

Estimated capital

\$ 8,784,637  
45,516,254 FRANCS

General merchandise stores

Grocers

Bankers

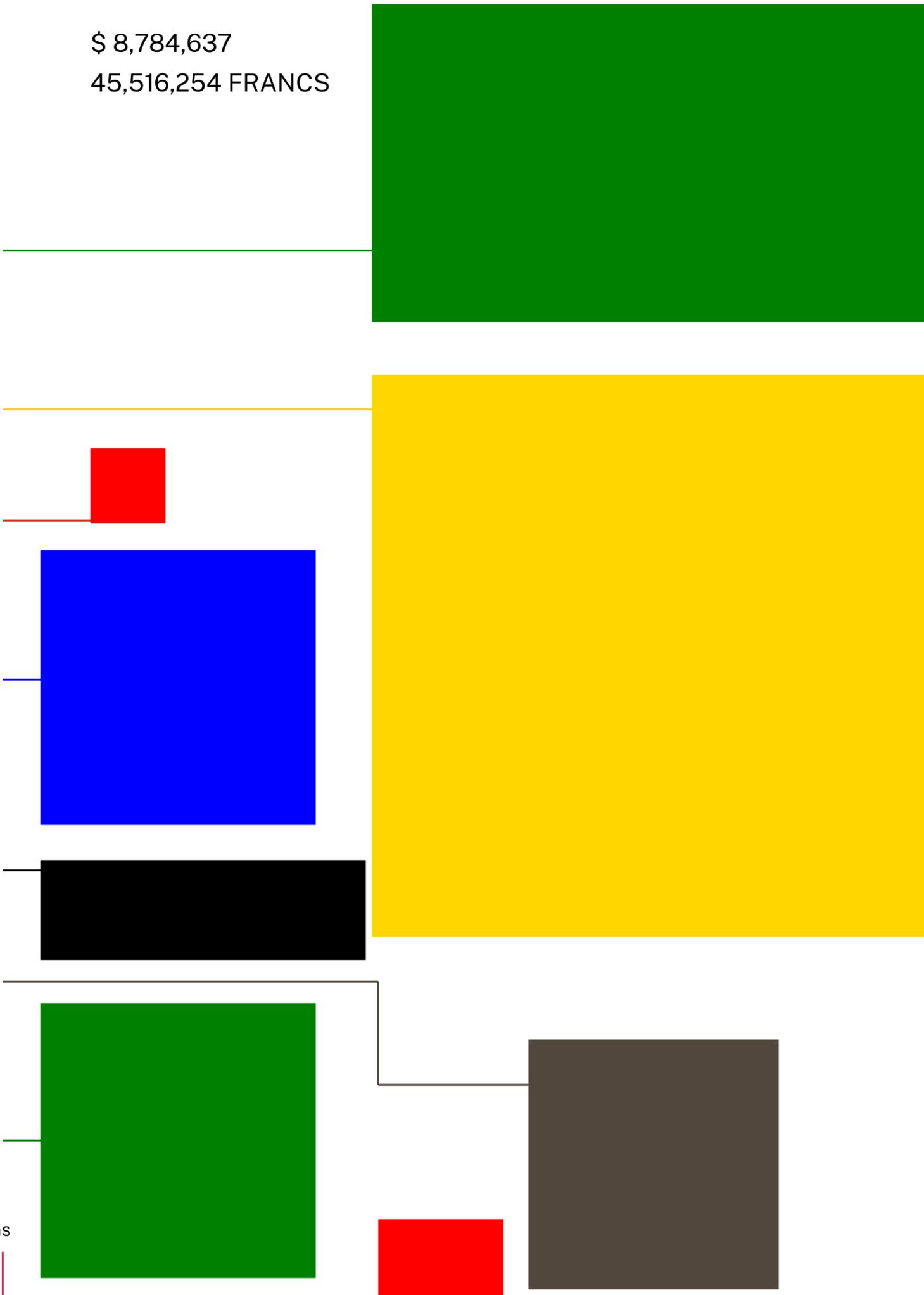
Undertakers

Building contractors

Druggists

Publishers

Building and loan associations

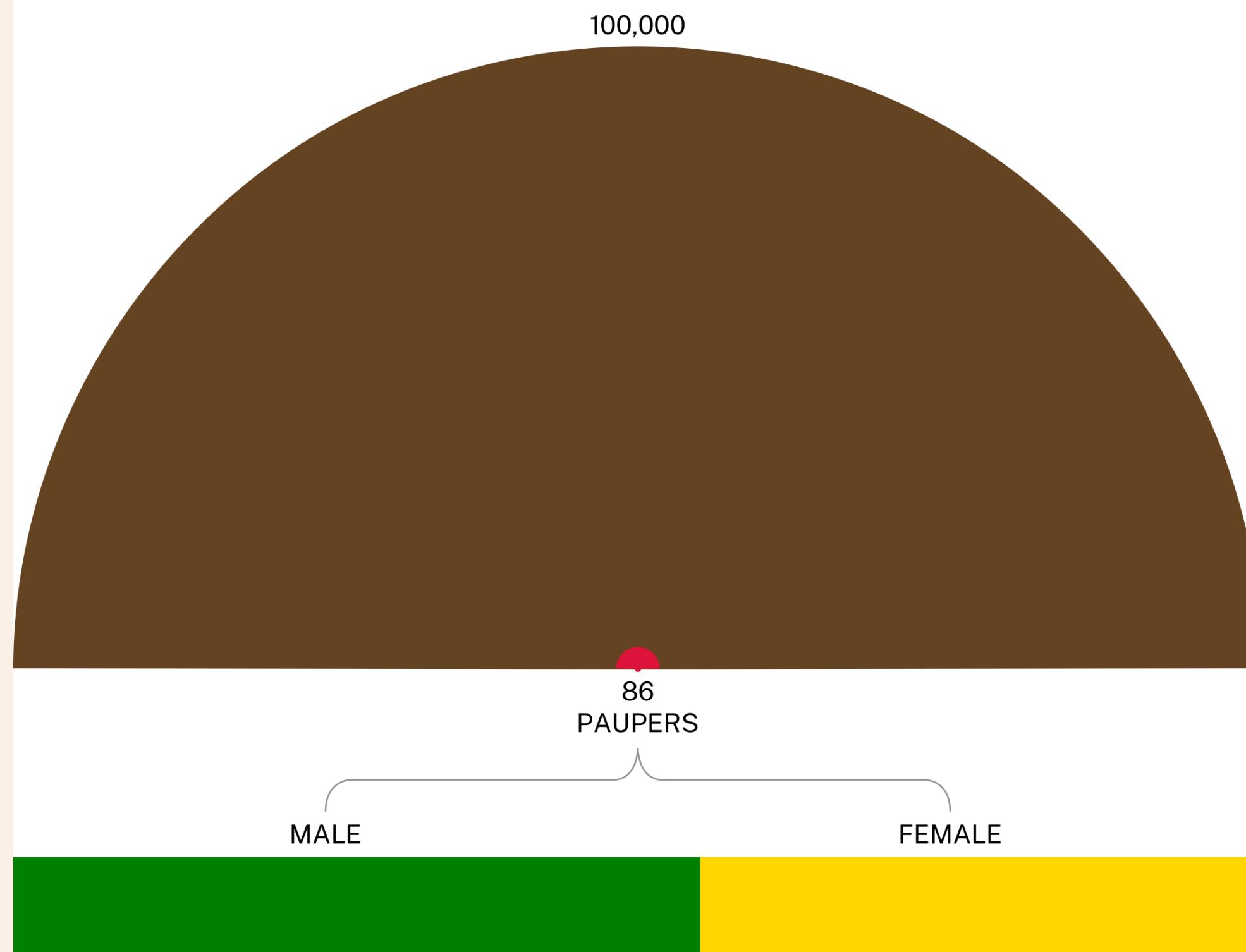


## Pauperism among American Negroes.

Pauperisme parmi les Nègres Americains

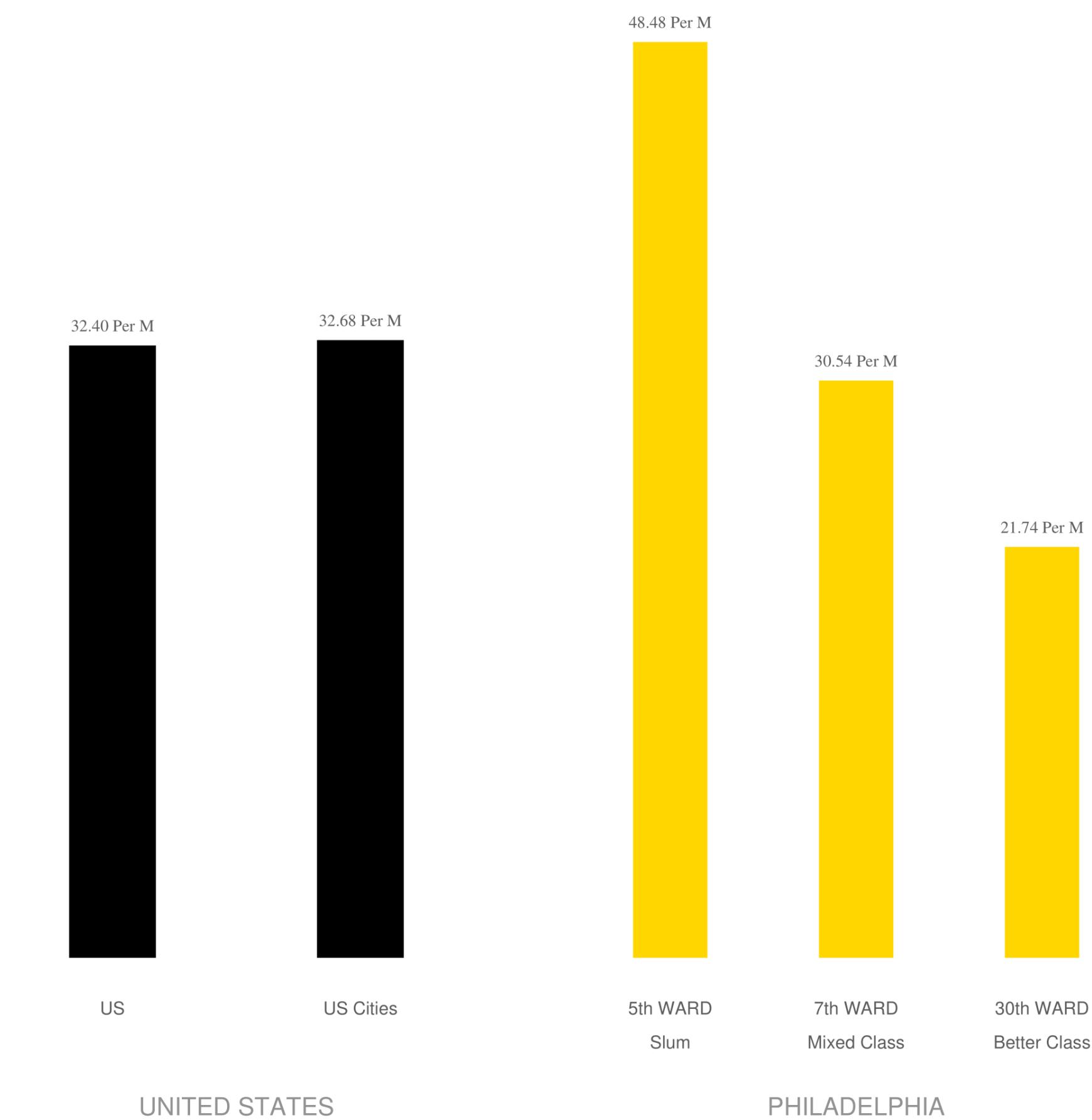
Done by Atlanta University

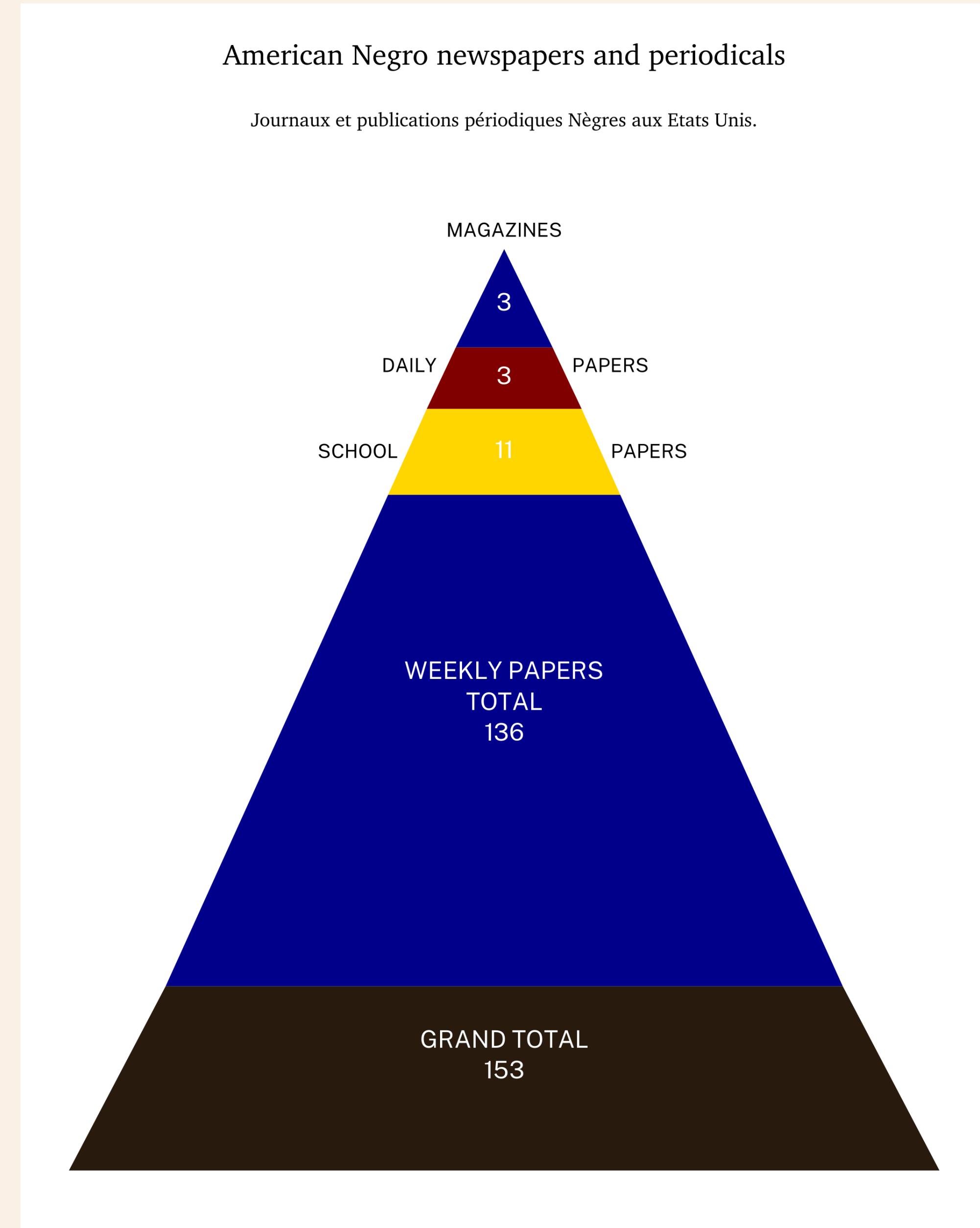
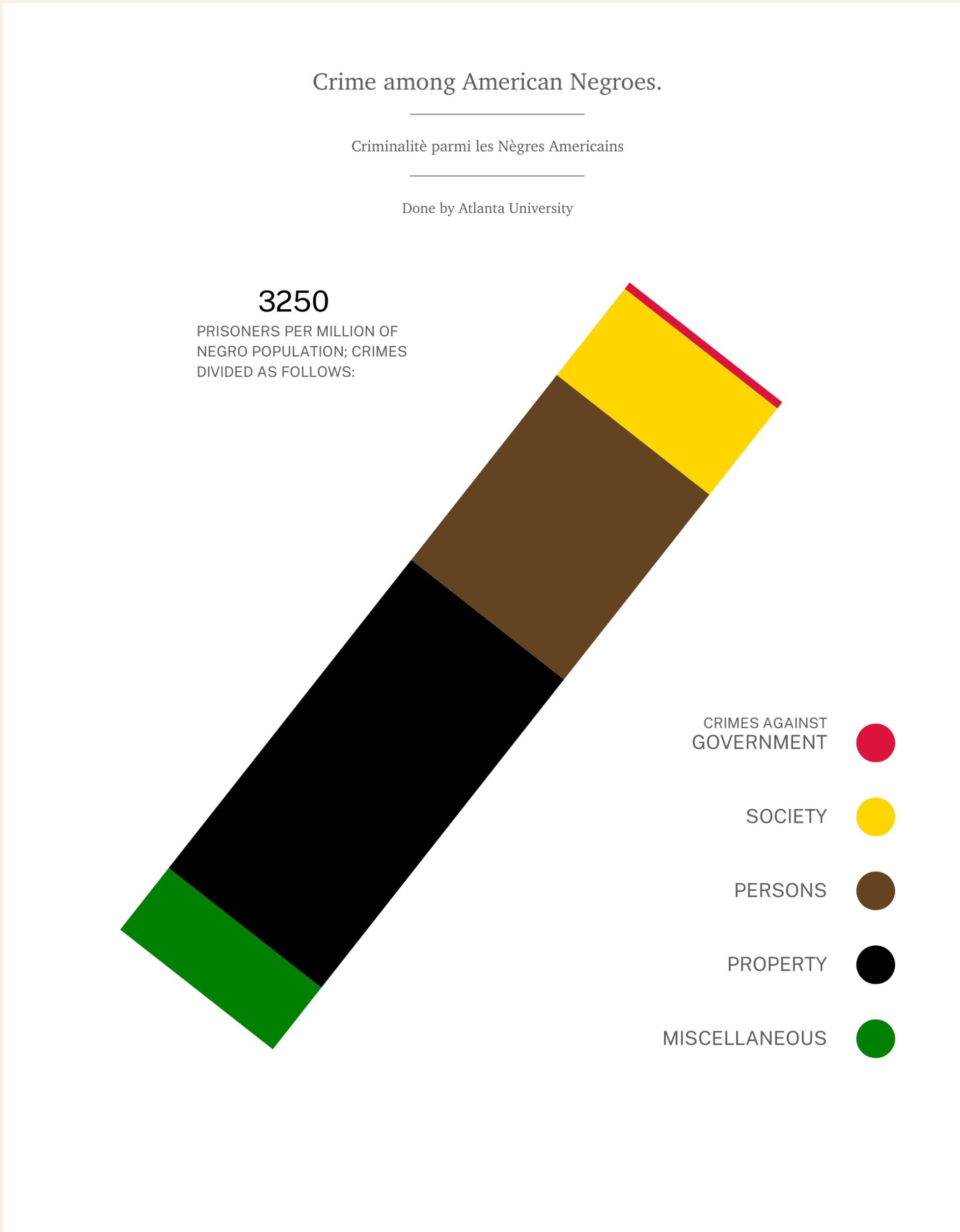
PROPORTION OF ALMSHOUSE PAUPERS IN EVERY 100,000 NEGROES.



## Mortality of American Negroes.

Mortalité parmi les Nègres Américains.





Religion of American Negroes

Religion des Nègres Americains

Done by Atlanta University

Catholics



Protestants

Statistics of Negro Church Organizations

Statistiques des organisations religieuses les Nègres

Done by Atlanta University

Number of Organizations

**23,462**



Number of Church Offices

**23,770**



Protestant Sects:

Baptists



Methodists



Presbyterians



Congregationalists



Miscellaneous



Value of Church property

**\$ 26,626,448 OR 137,960,860 FRANCS.**

Number of Communicants

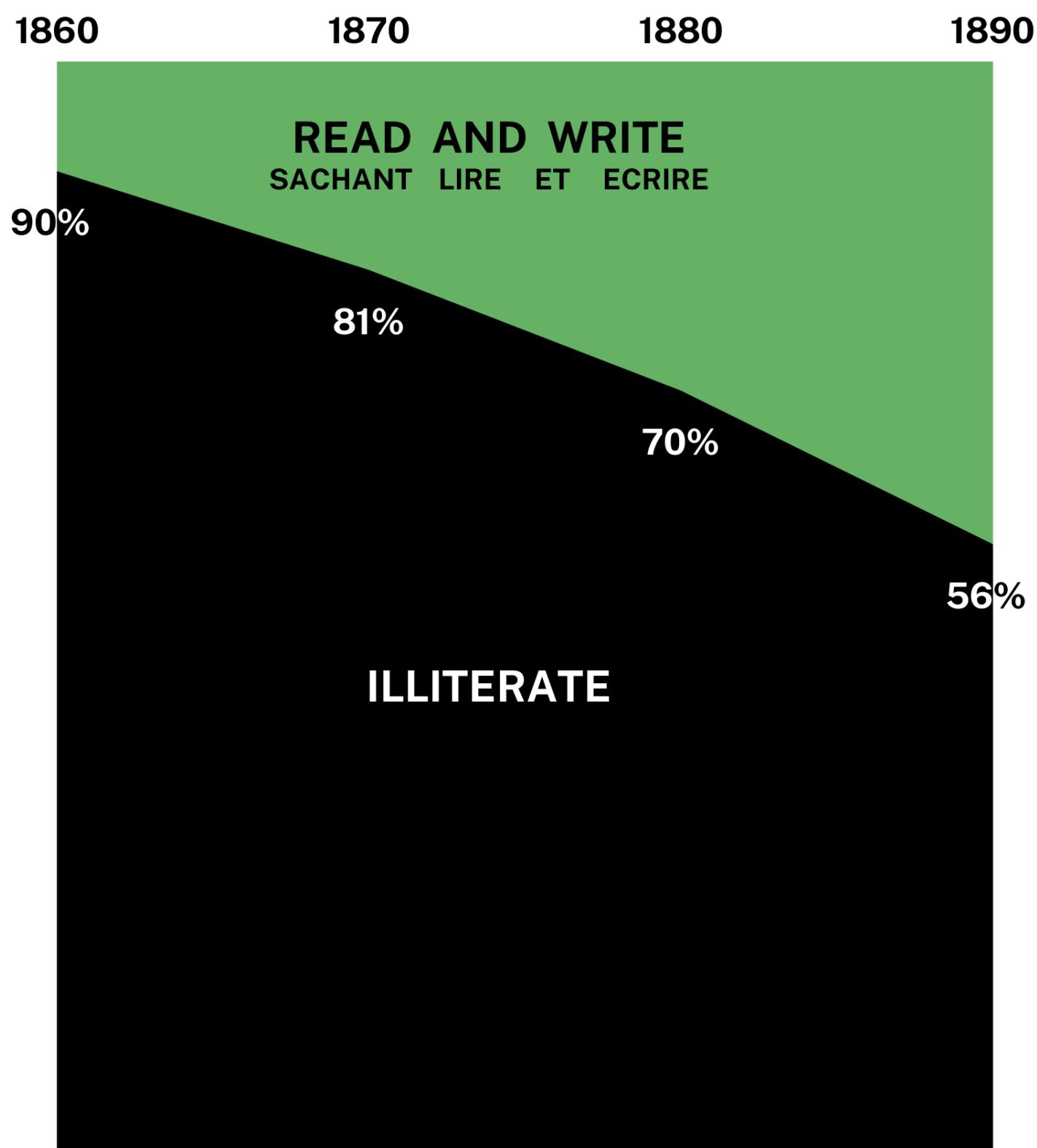
**2,673,977**



THE DECREASE OF ILLITERACY AMONG THE BLACK FREEDMEN OF THE UNITED STATES

DECROISSEMENT DES ILLETTRES PARMI LES NEGRES AFFRANCHIS DANS LES ETATS UNIS

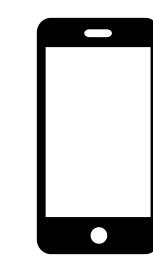
DONE BY ATLANTA UNIVERSITY



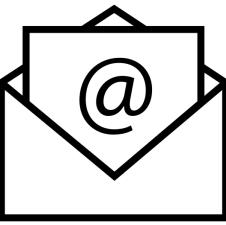


# Anthony J. Starks

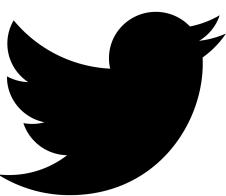
Art + Code



+1 908.548.3403



ajstarks@gmail.com



@ajstarks



github.com/ajstarks



speakerdeck.com/ajstarks