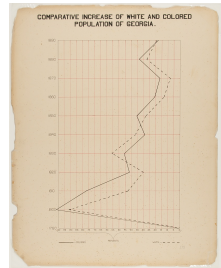
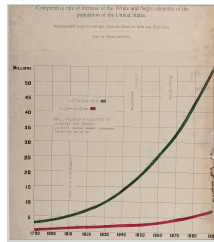
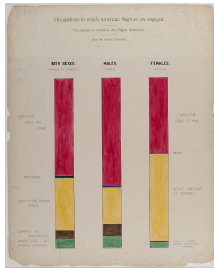
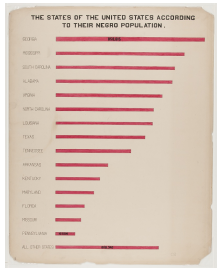
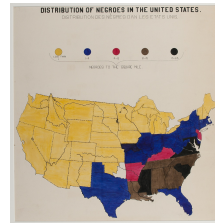
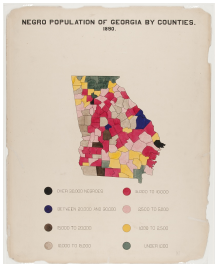
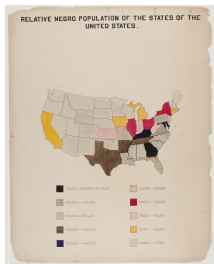


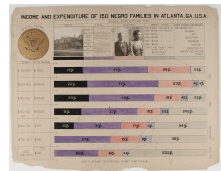
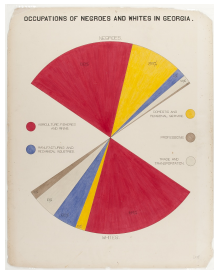
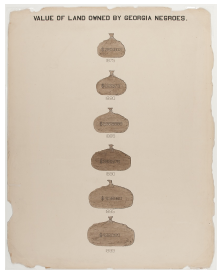
Du Bois Visuals for Consideration in STEM Education



Conventional Forms



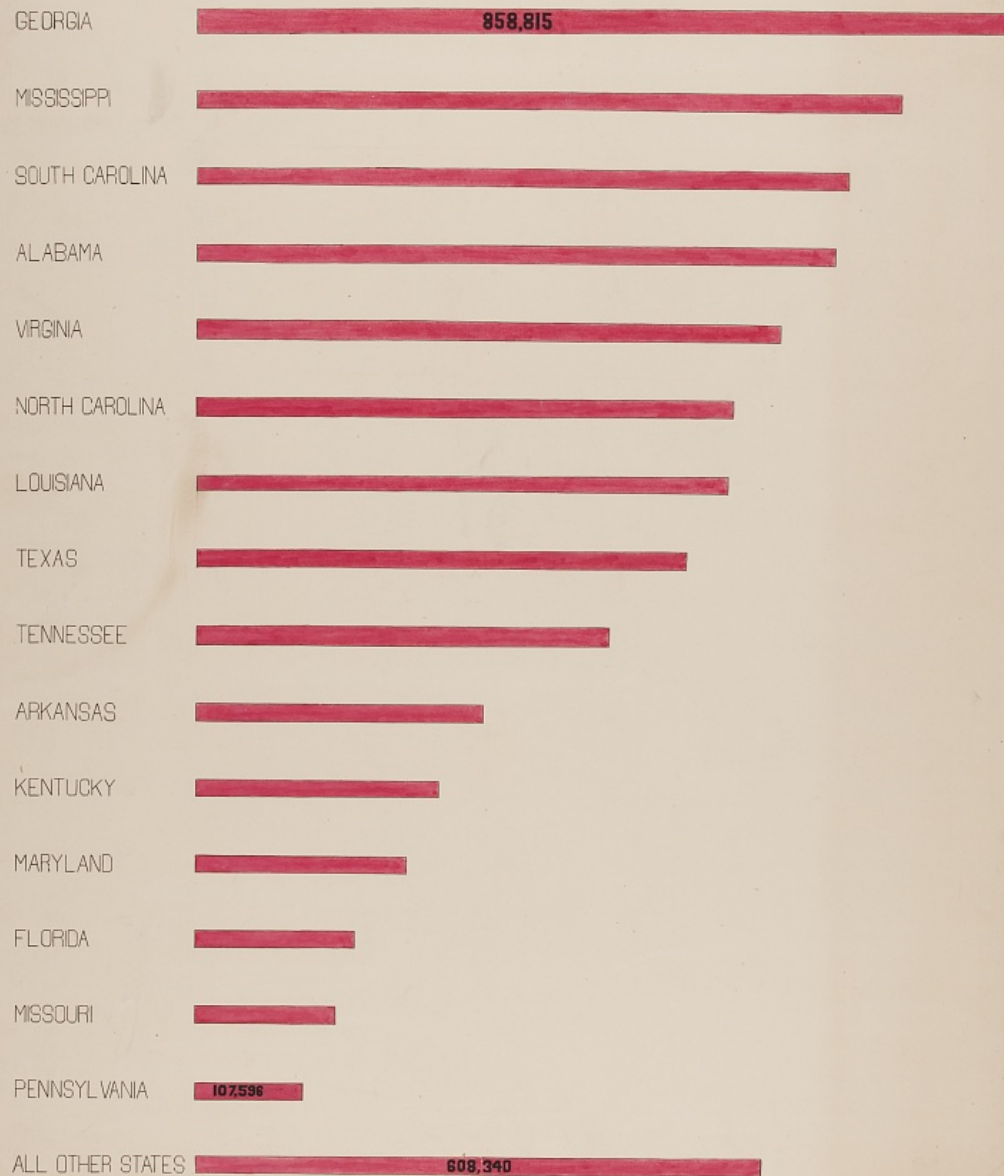
Maps



Unique Visuals

Conventionals

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



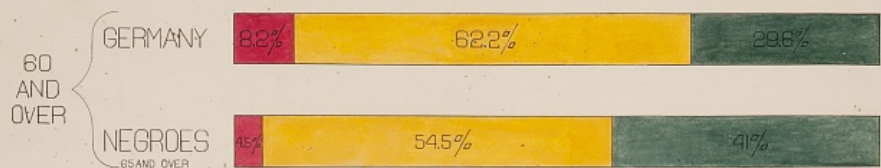
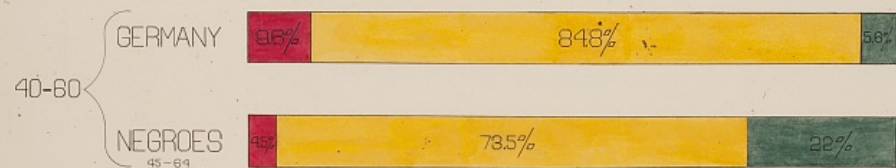
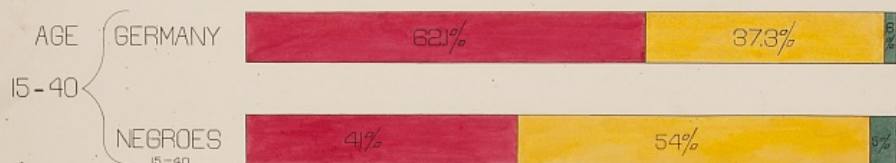
This chart compares city and rural populations. The city populations range from 2.5-5K, 5K-10K, and over 10K. in 1890, the majority of people resided rural country and village areas, shown here as a tightly wound red spiral in contrast to the angled, connected city populations.

CONJUGAL CONDITION .

● SINGLE

● WIDOWED AND DIVORCED

● MARRIED



The "Conjugal Condition" visual compares three groups (single, married, widowed and divorced), divided by age: (15-40, 40-80, and over 80) within two populations: Black Americans and the country of Germany. The data is shown clearly using six proportional bar graphs in the red, yellow and green color scheme.

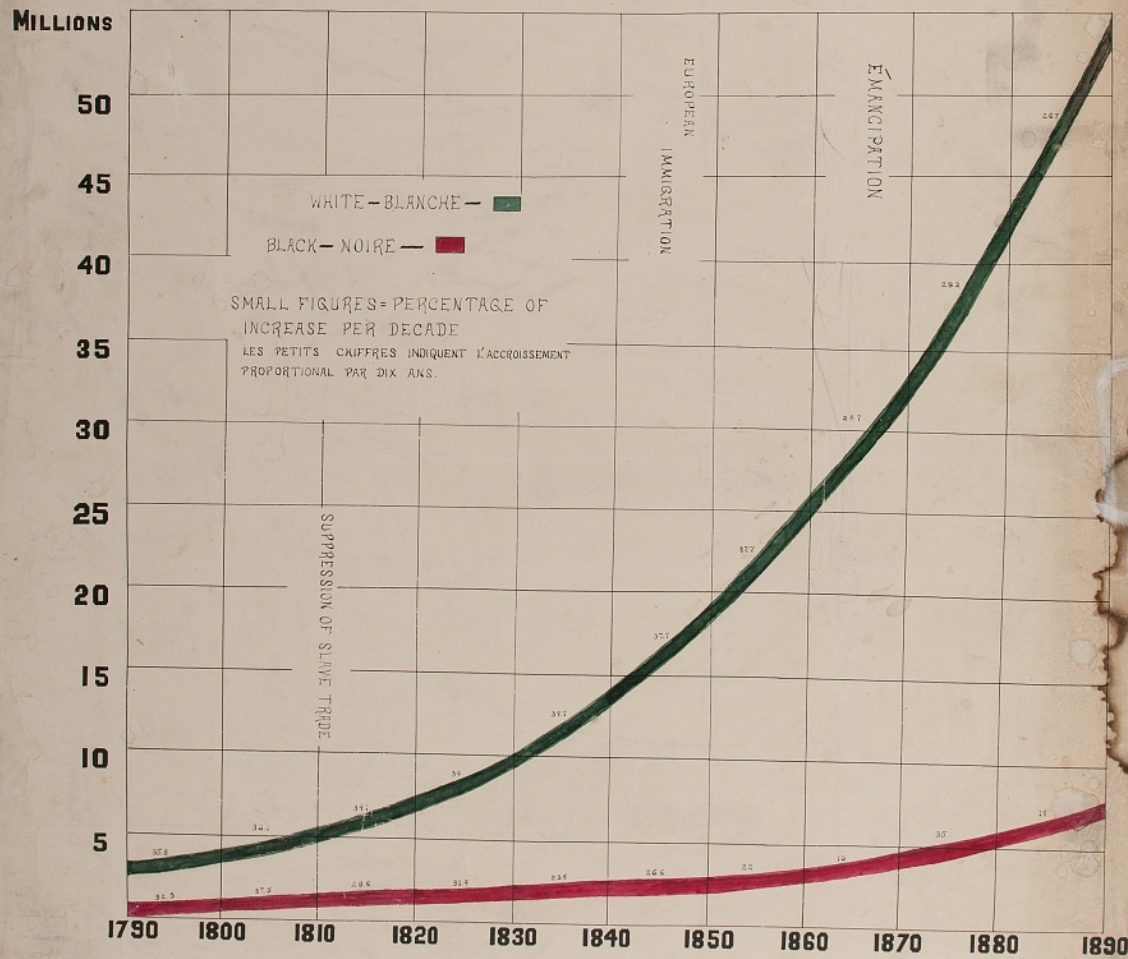


A trio of stacked bar charts in the vibrant Du Bois colors, shows the occupations that Black Americans were engaged in, by gender. (compare this to plate 27).

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

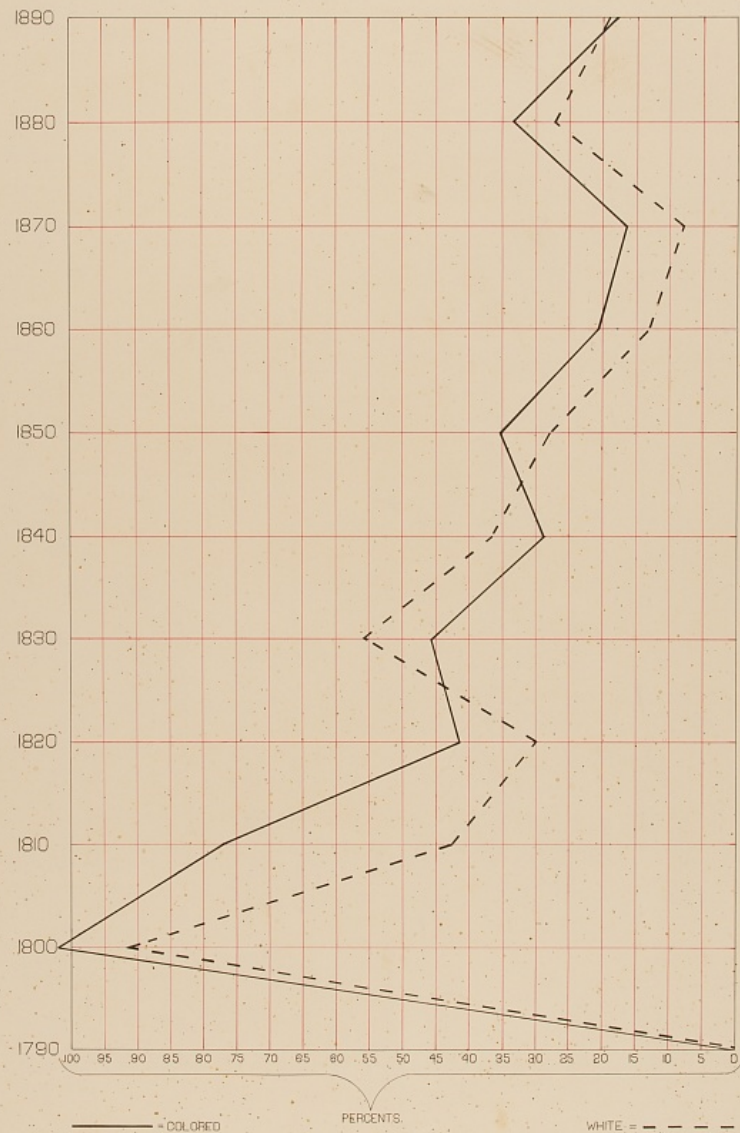
Accroissement proportionnel des elements blancs et noirs aux Etats Unis.

Done by Atlanta University.



One of the rare line charts in the collection, the comparative population growth of white and Black Americans from 1790-1890, is annotated with relevant events like "Suppression of Slave Trade", Immigration" and "Emancipation".

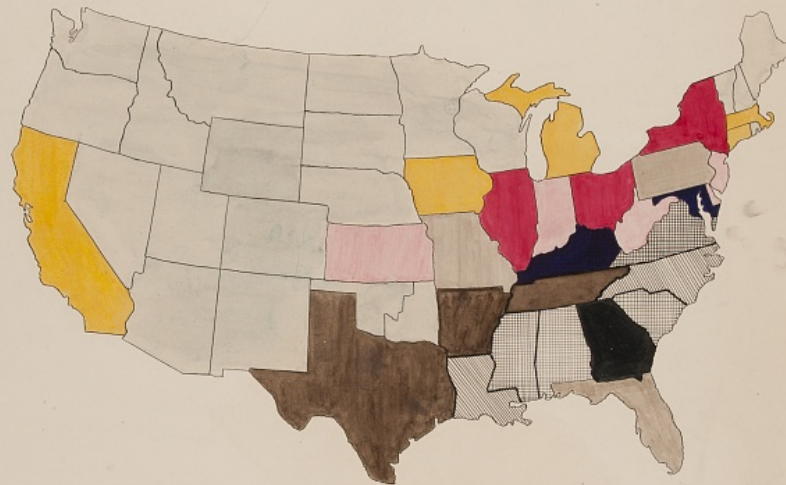
COMPARATIVE INCREASE OF WHITE AND COLORED POPULATION OF GEORGIA.



Continuing the theme of using Georgia as an exemplar, this line graph shows the comparative increase of the Black and White population in Georgia. This chart is notable in that it reverses the modern convention, using time for the Y-axis and the data for the X

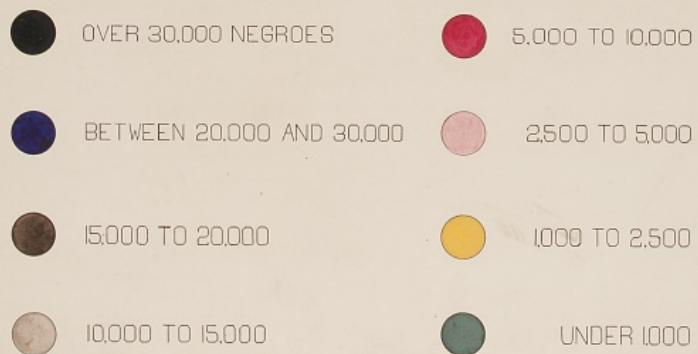
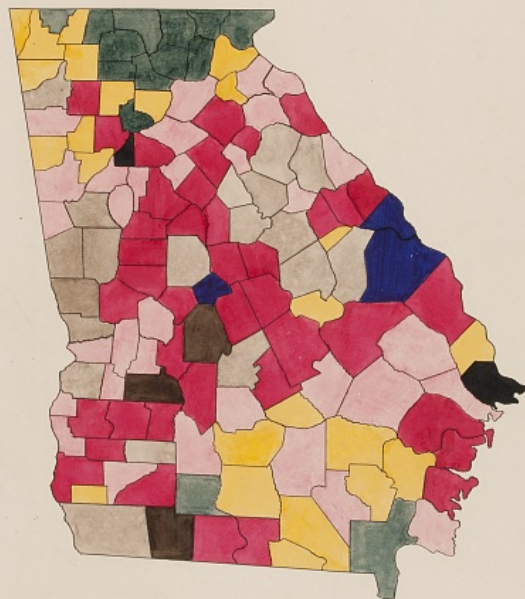
Maps

RELATIVE NEGRO POPULATION OF THE STATES OF THE UNITED STATES.



A choropleth outlining the population of Black Americans, by state. Note the concentration in the South, with Georgia leading (750,000 or more).

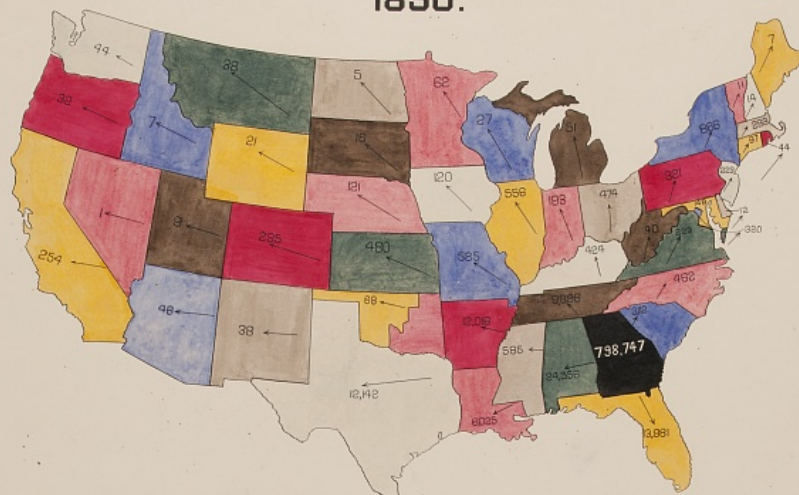
NEGRO POPULATION OF GEORGIA BY COUNTIES.
1890.



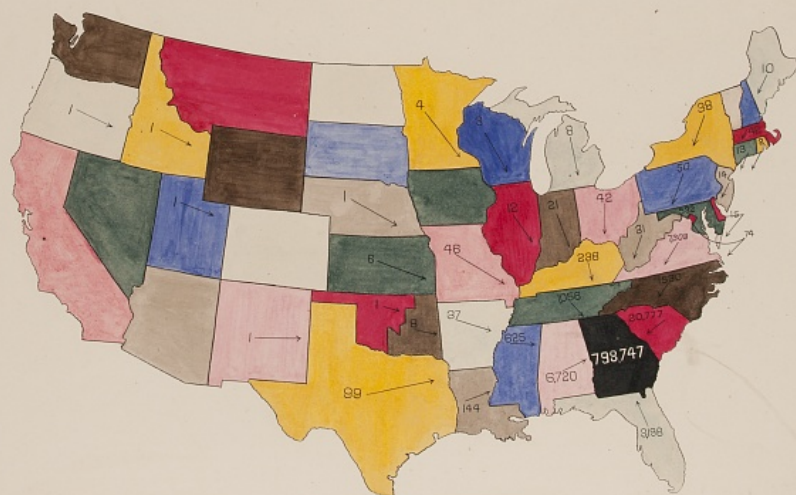
[5]

Another choropleth focusing
on the Black population within
the State of Georgia/

MIGRATION OF NEGROES . 1890.



PRESENT DWELLING PLACE OF NEGROES BORN IN GEORGIA.

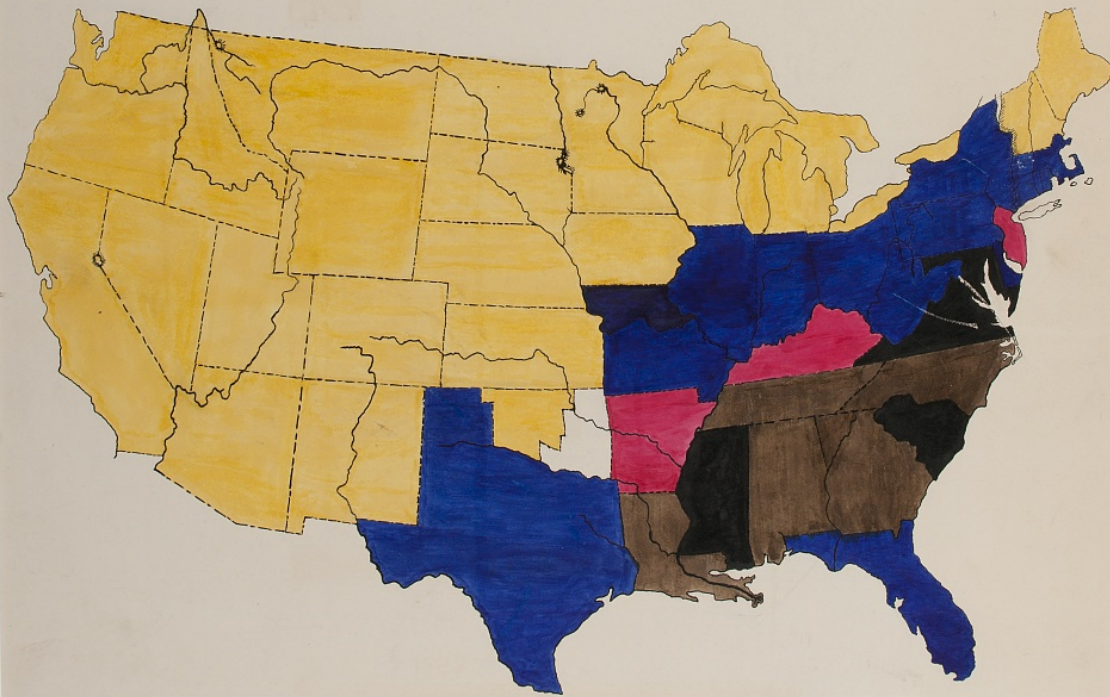
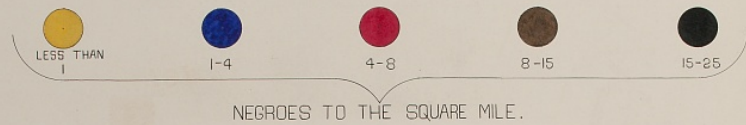


BIRTH PLACE OF NEGROES NOW RESIDENT IN GEORGIA.

Prior to the "Great Migration" that would begin in 1910, this map shows the places Georgia-born Black people migrated to, along with the migration of them to other parts of the country.

DISTRIBUTION OF NEGROES IN THE UNITED STATES.

DISTRIBUTION DES NÈGRES DAN LES ETATS UNIS.



This map shows the distribution of Black Americans. Heavy concentrations are in the South (largest in S. Carolina, Mississippi, Virginia). The mid-west and northeast is more sparsely populated, with the west and extreme north showing < 1 person/sq. mile.

Uniques

VALUE OF LAND OWNED BY GEORGIA NEGROES.

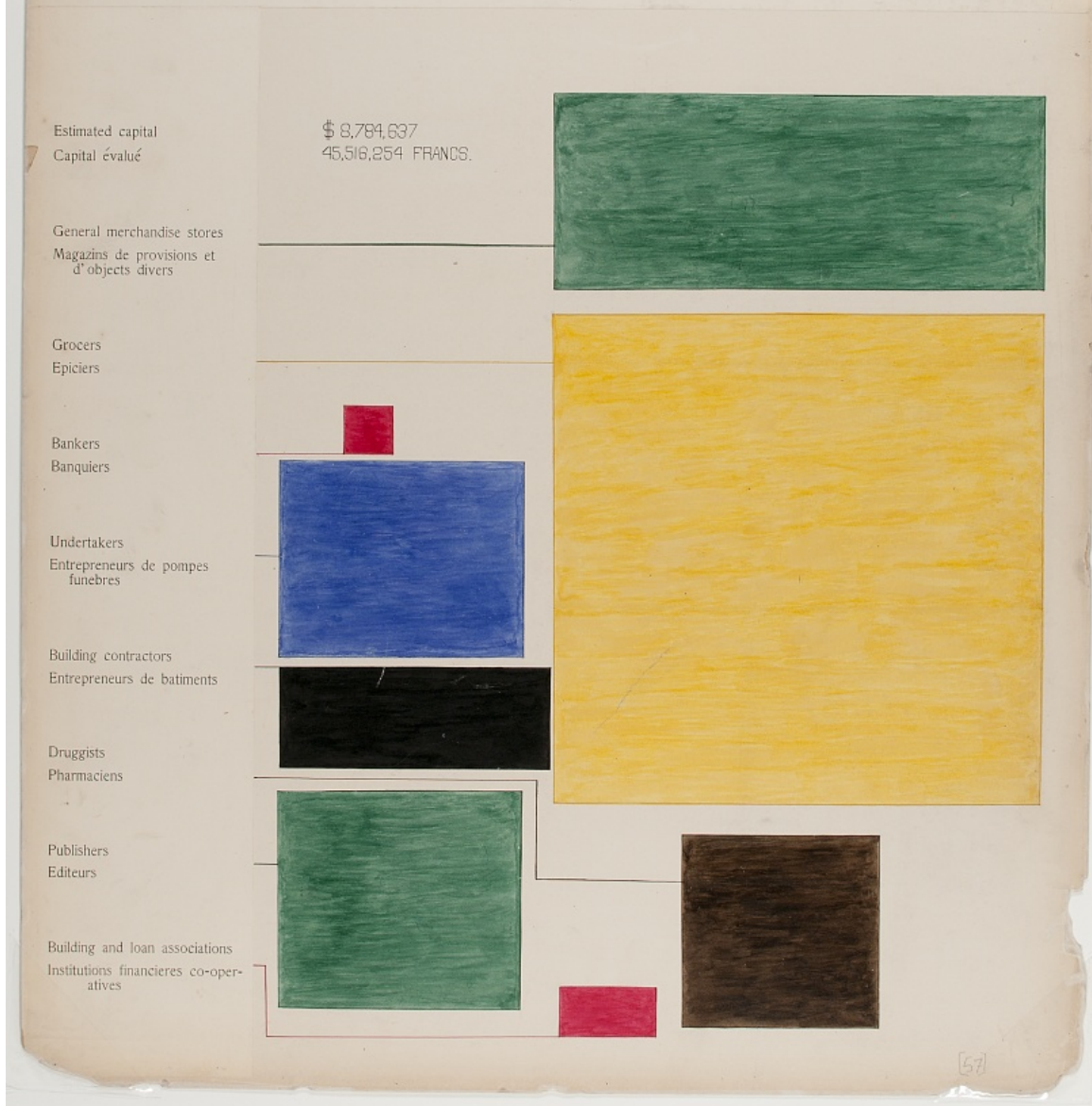


This fanciful chart uses literal bags of cash to depict the amount of land owned by Black Georgians. Starting in 1875, the value increase over 3 times by the end of century to \$4,220,120

Negro business men in the United States.

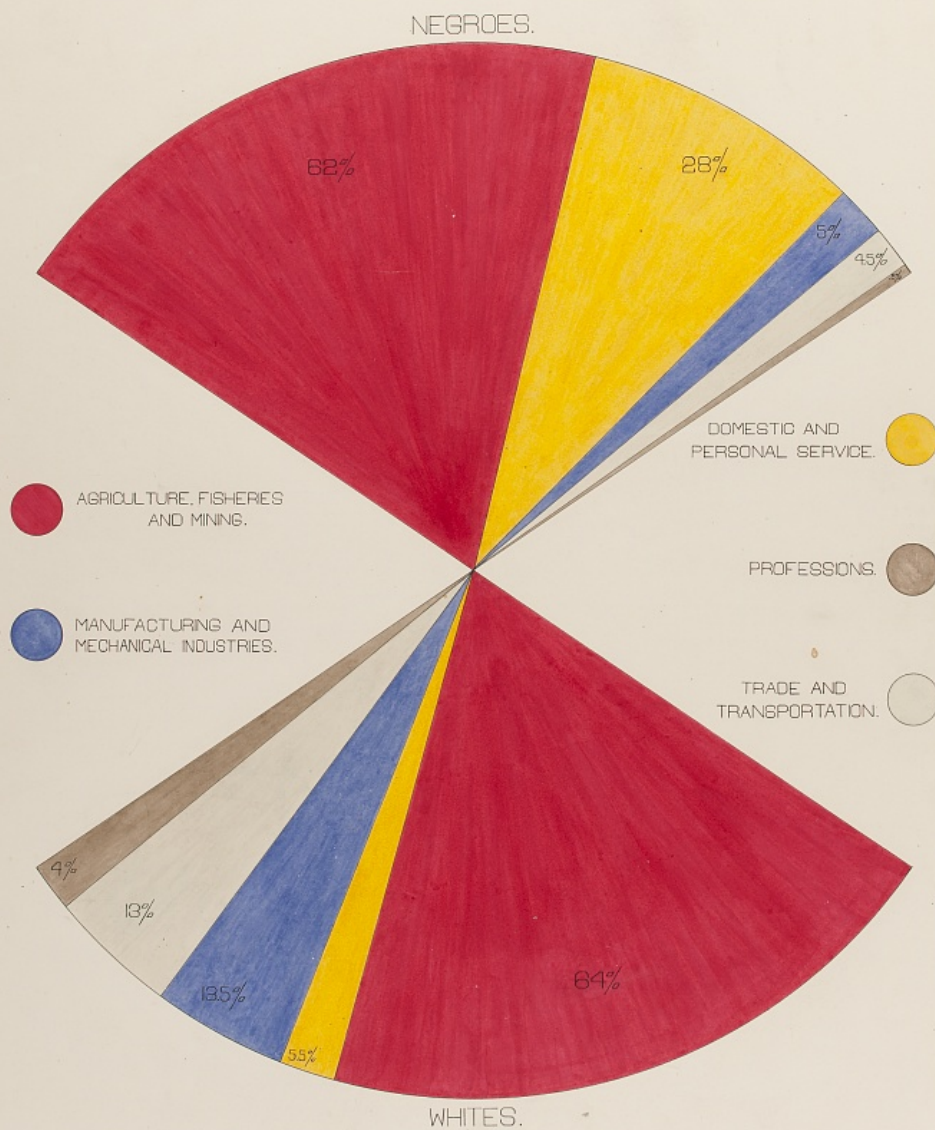
Nègres Américains dans les affaires.

Done by Atlanta University.



Using boldly colored blocks, this abstract visual shows the varied businesses run by Black men. Including mercantile, grocers (the largest, shown as a large gold block), building contractors, druggists, and bankers. The total estimated capital of \$8.7 million (\$282.6 today).

OCCUPATIONS OF NEGROES AND WHITES IN GEORGIA.



"Occupations of Negroes and Whites in Georgia" is not quite an pie chart, but a "fan chart", comparing the occupations of two groups. The chart is a good example of the typical Du Bois color palette.

P1124

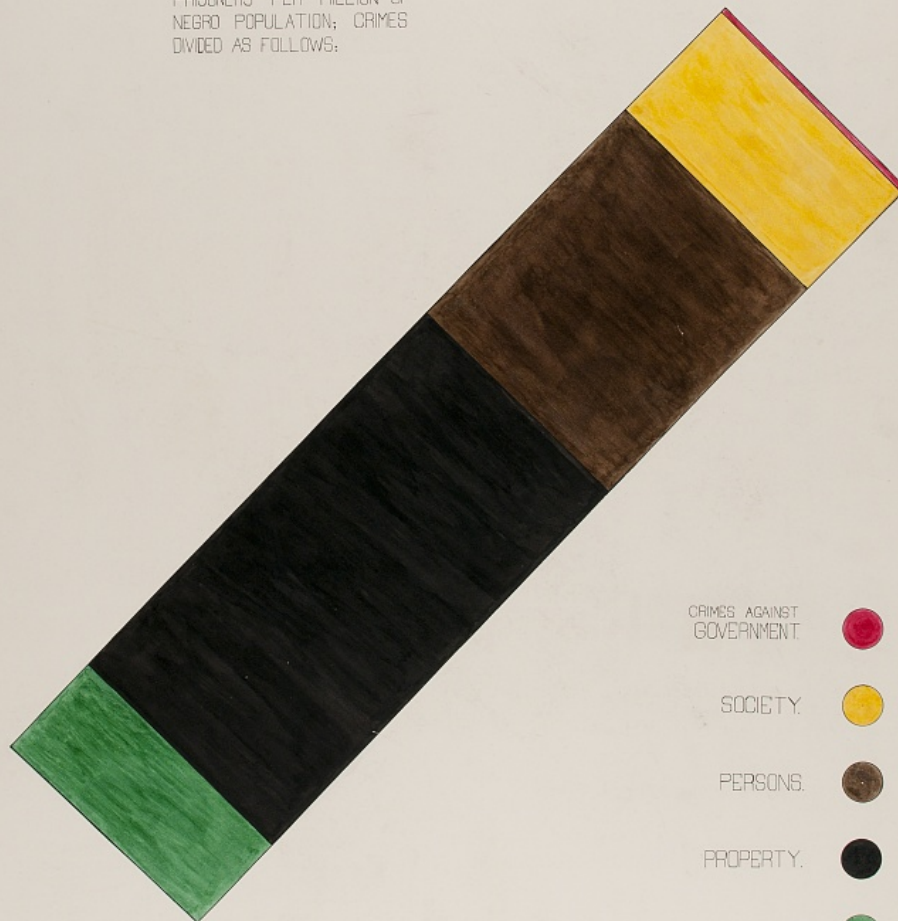
Crime among American Negroes.

Criminalité parmi les Nègres Américains.

Done by Atlanta University.

3250

PRISONERS PER MILLION OF
NEGRO POPULATION; CRIMES
DIVIDED AS FOLLOWS:



CRIMES AGAINST
GOVERNMENT



SOCIETY



PERSONS



PROPERTY

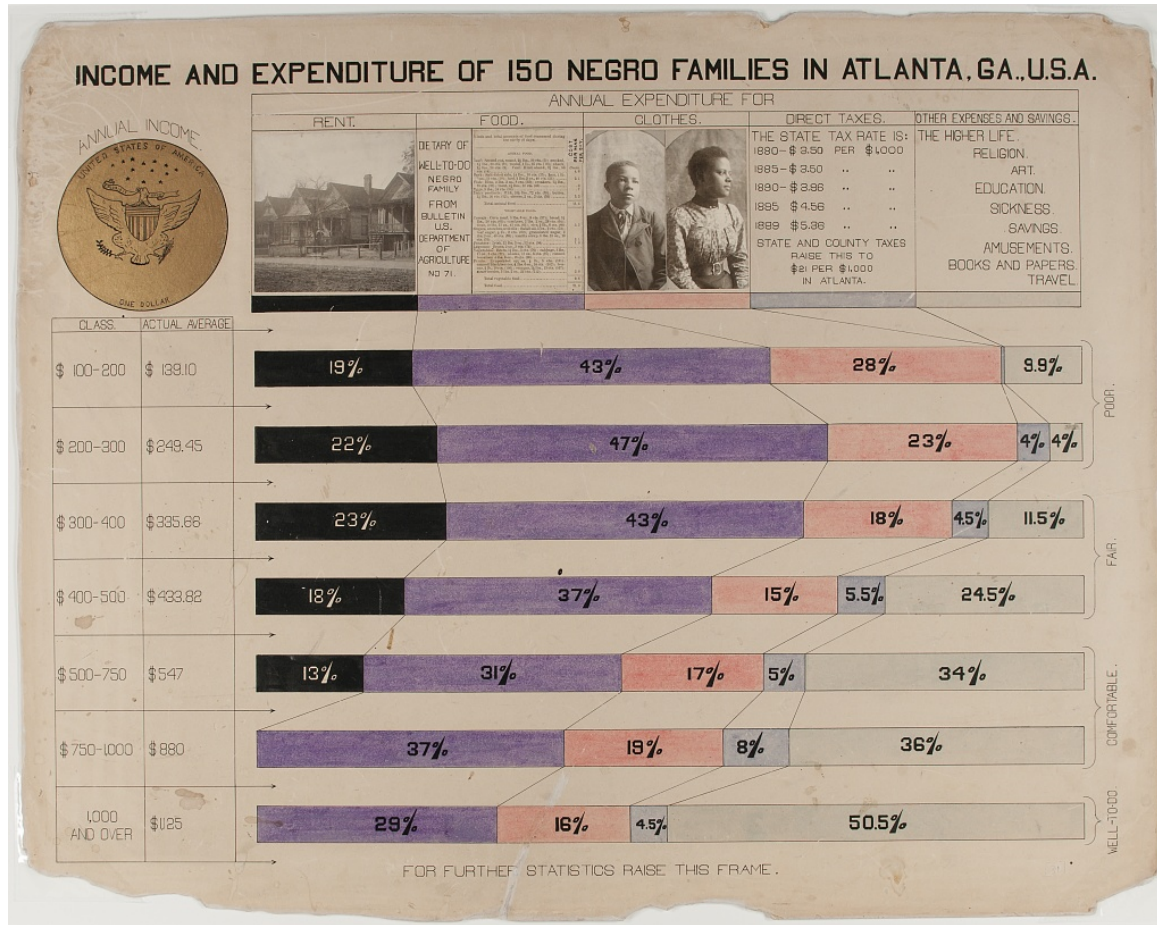


MISCELLANEOUS



[66]

The jauntily tilted stacked bar chart shows the categories of crime among the Black American population (property crime is the highest, gov't the lowest). The incident of prisoners is 3,250/million (compared to 1501/100,000 today).



The horizontal stacked bar charts shows how various economic groups spend their income among these categories: Rent, Food, Clothes, Taxes, and other expenses and giving. This visual is distinct in that it includes photographs along with the chart.

Plate 31