

Celebrating Black Lives

Exploring African-American Firsts

Group 10

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From scraped Data to insightful Visualizations

Two-step approach in creating visualizations

1

Data Scraping & Wrangling

Data Source:
Wikipedia

Data Source:
Wikipedia

African
American
Firsts

Individual
Demographic
Information

Clean
Data

Enriching
Data by
Adding
Location &
Gender

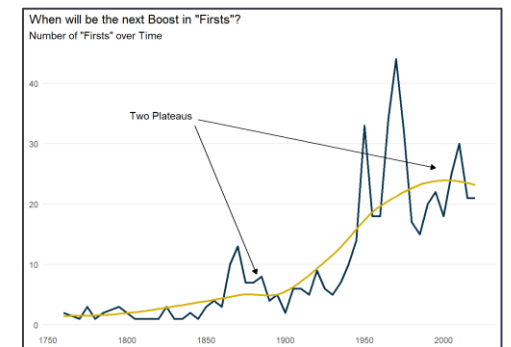
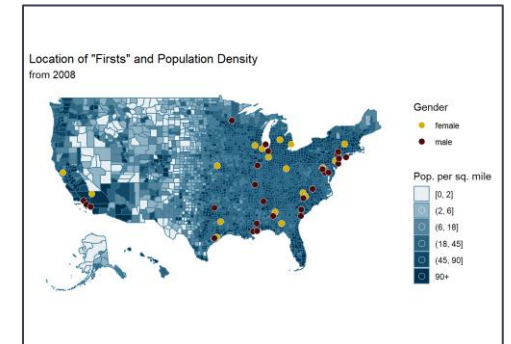
Clean Data &
Add Shape
Files

EDA

2

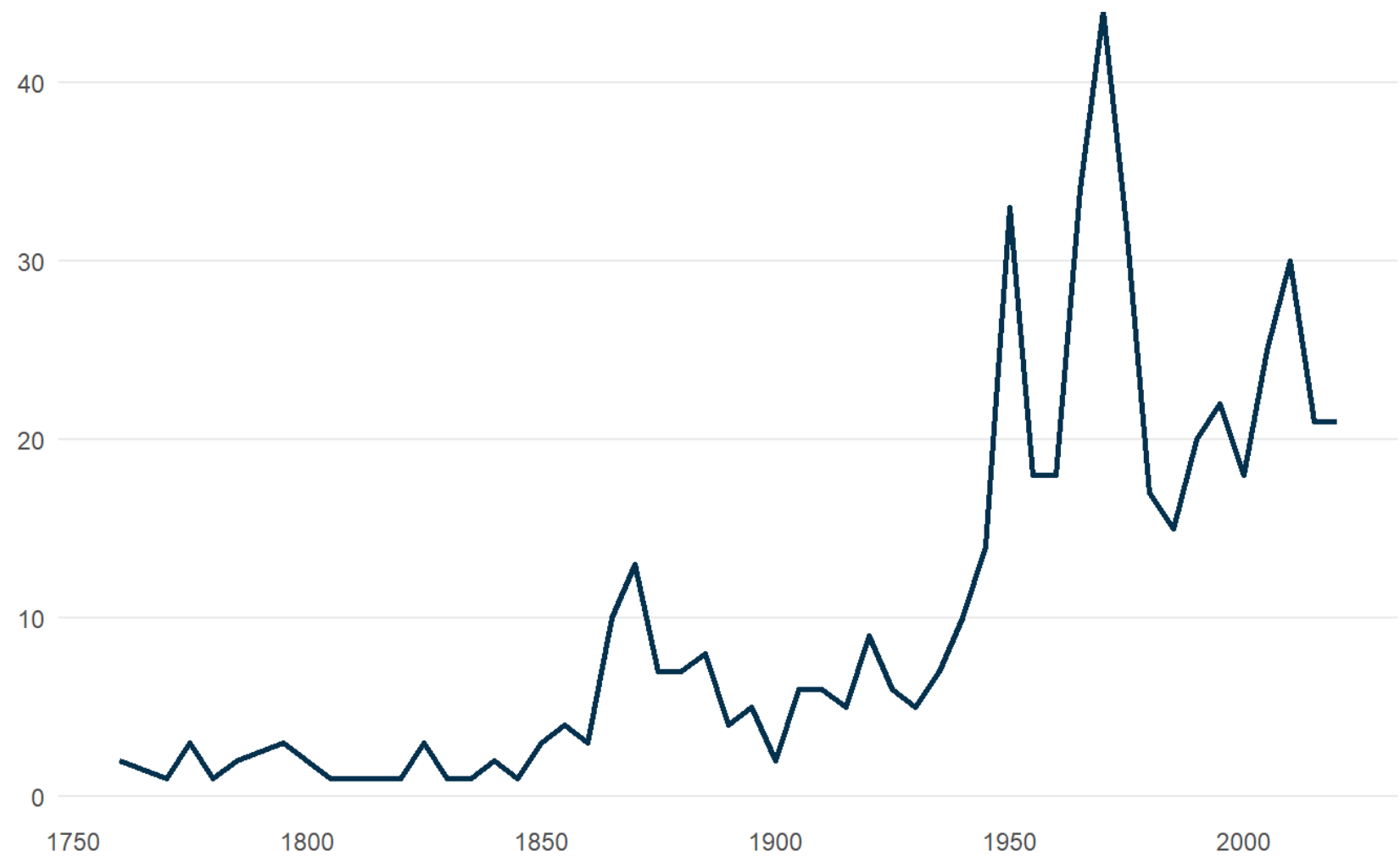
EDA & Visualizations

Research:
African-American History



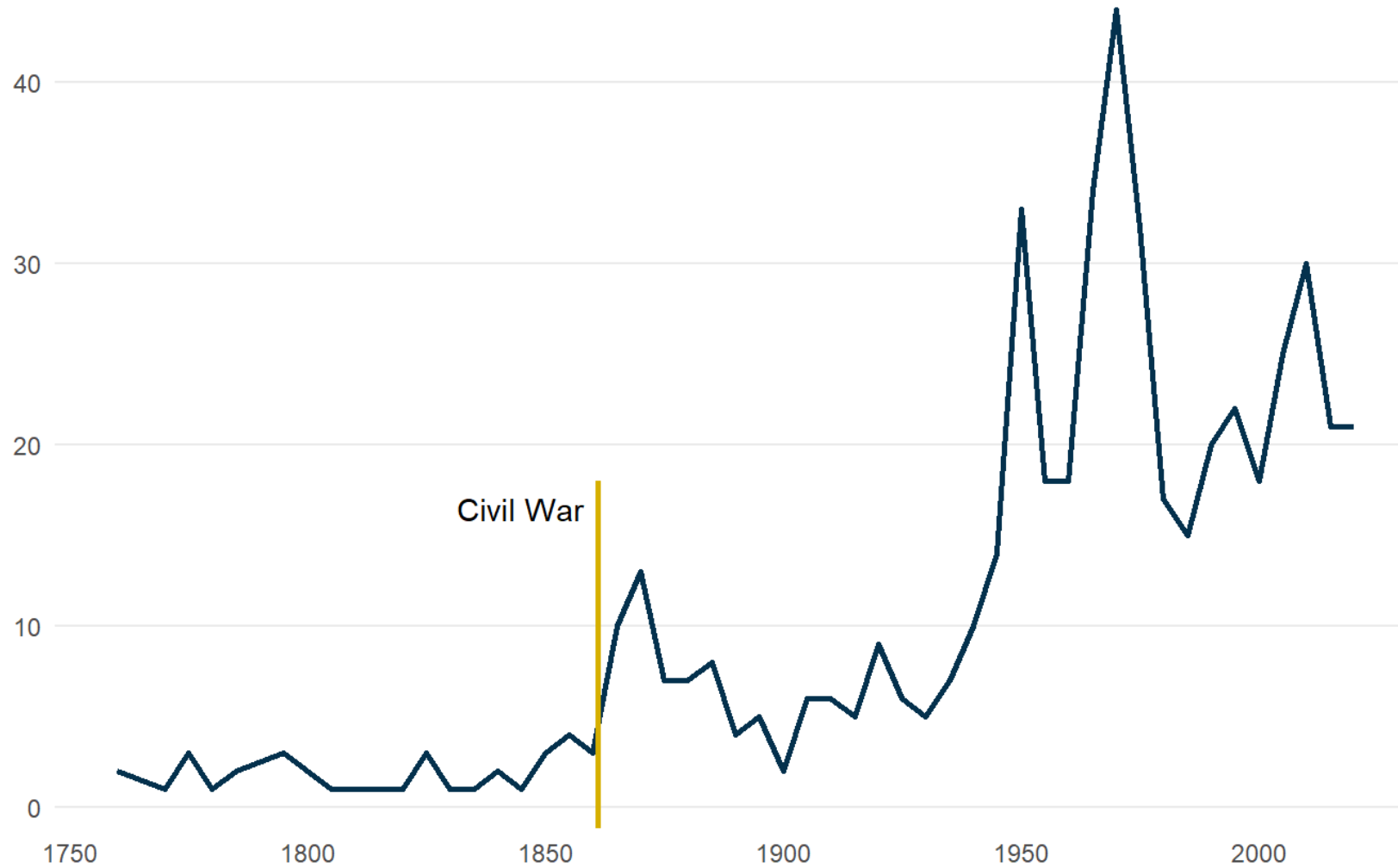
A Stroll through American History

Number of “Firsts” over Time



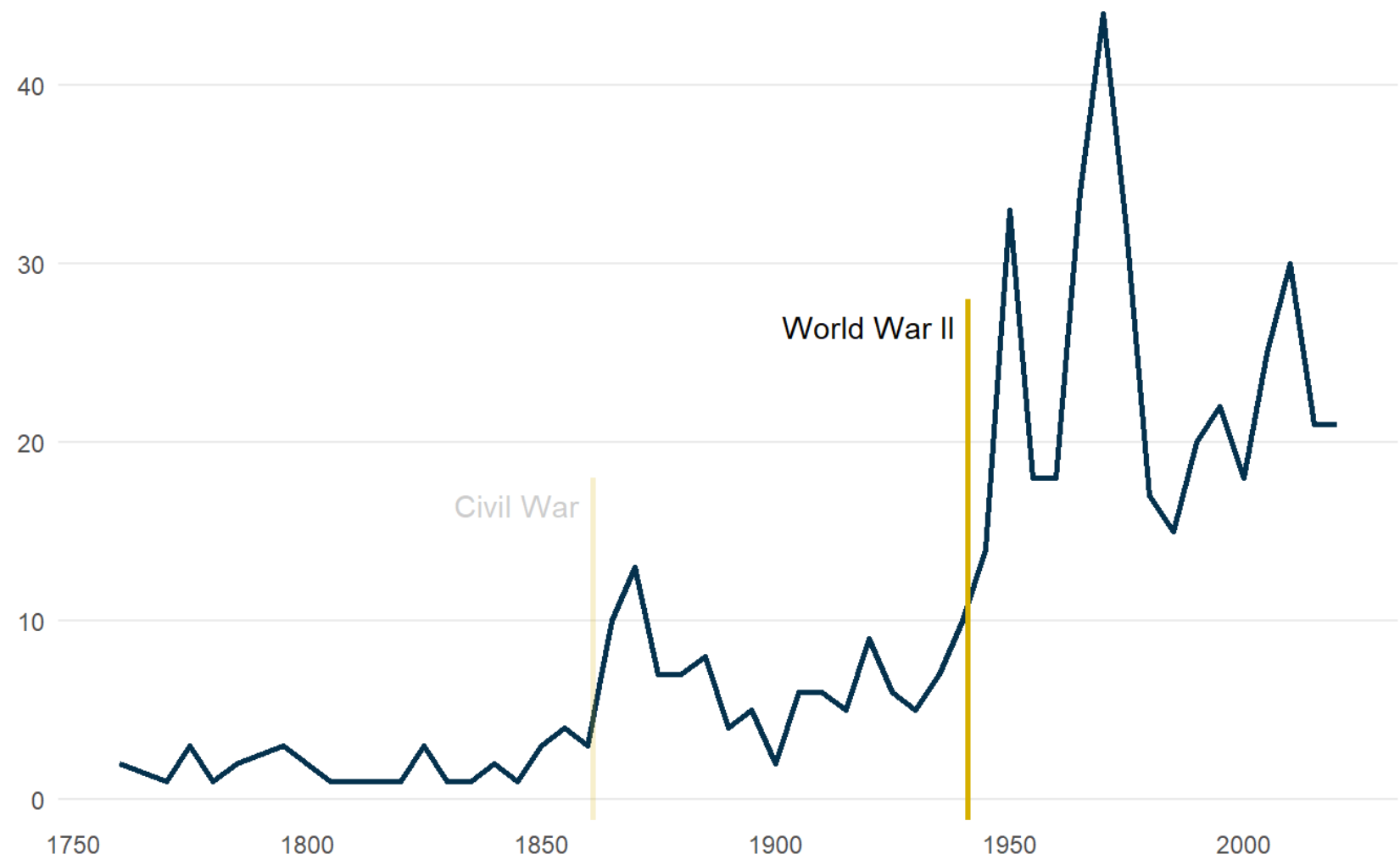
A Stroll through American History

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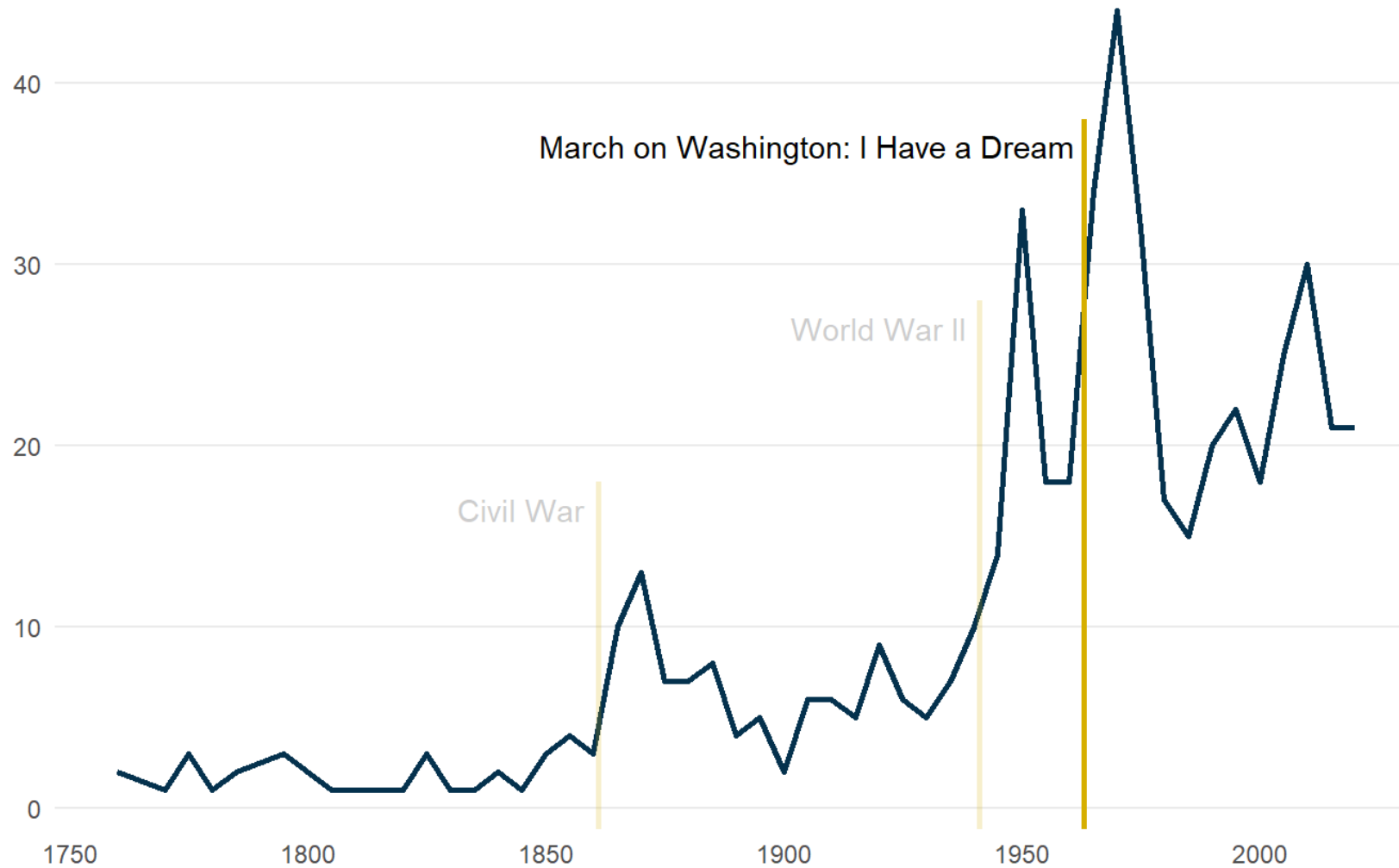
A Stroll through American History

Number of “Firsts” over Time



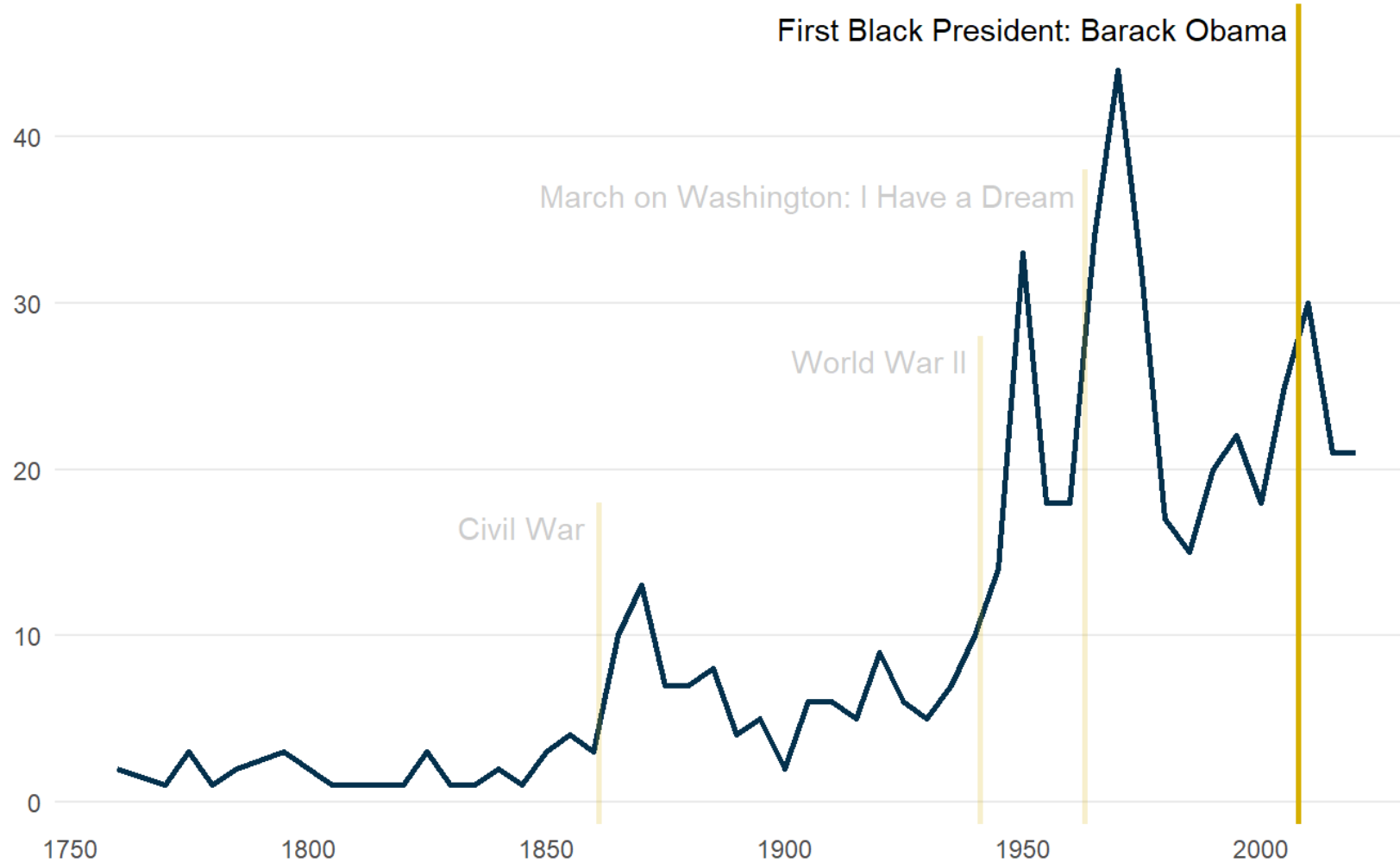
A Stroll through American History

Number of “Firsts” over Time



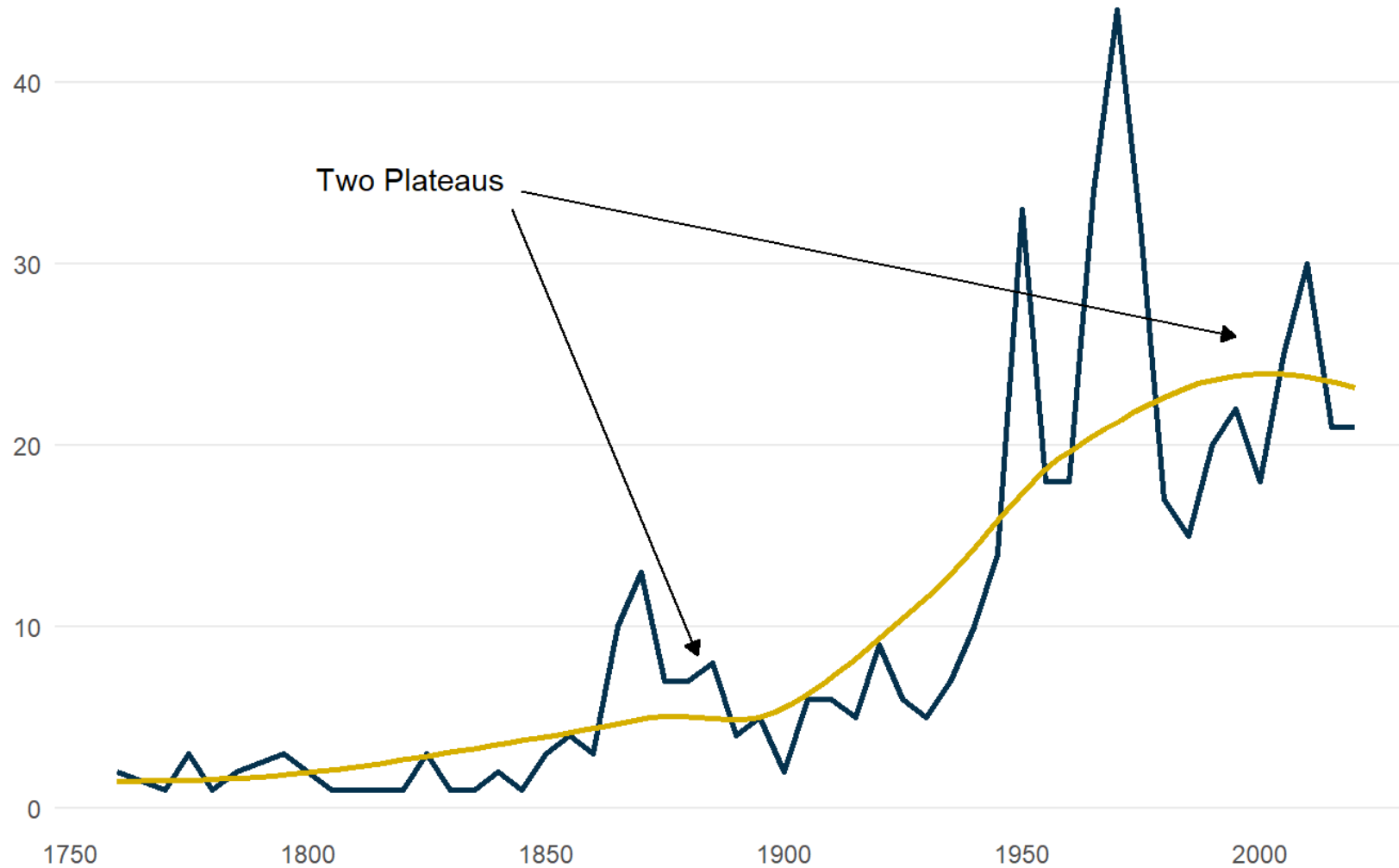
A Stroll through American History

Number of “Firsts” over Time



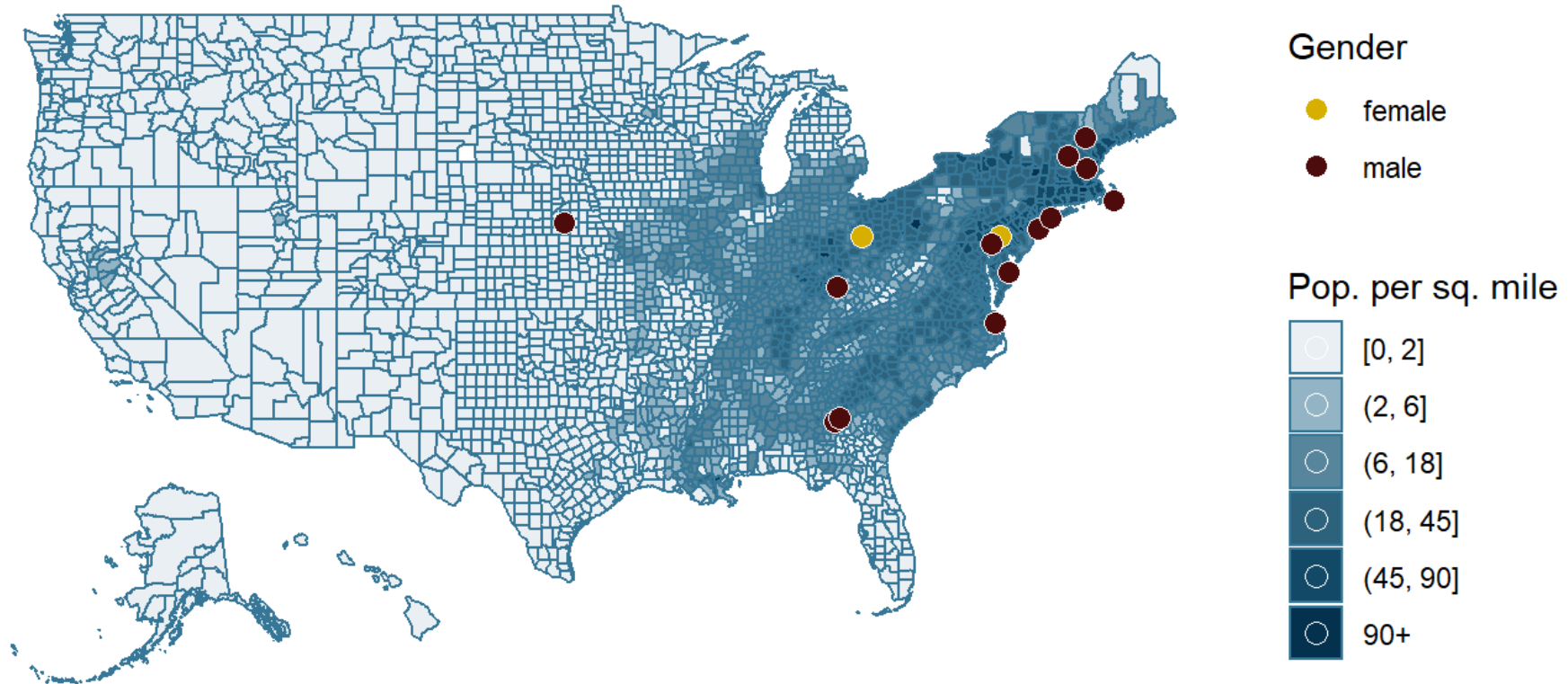
When will be the next Boost in “Firsts”?

Number of “Firsts” over Time



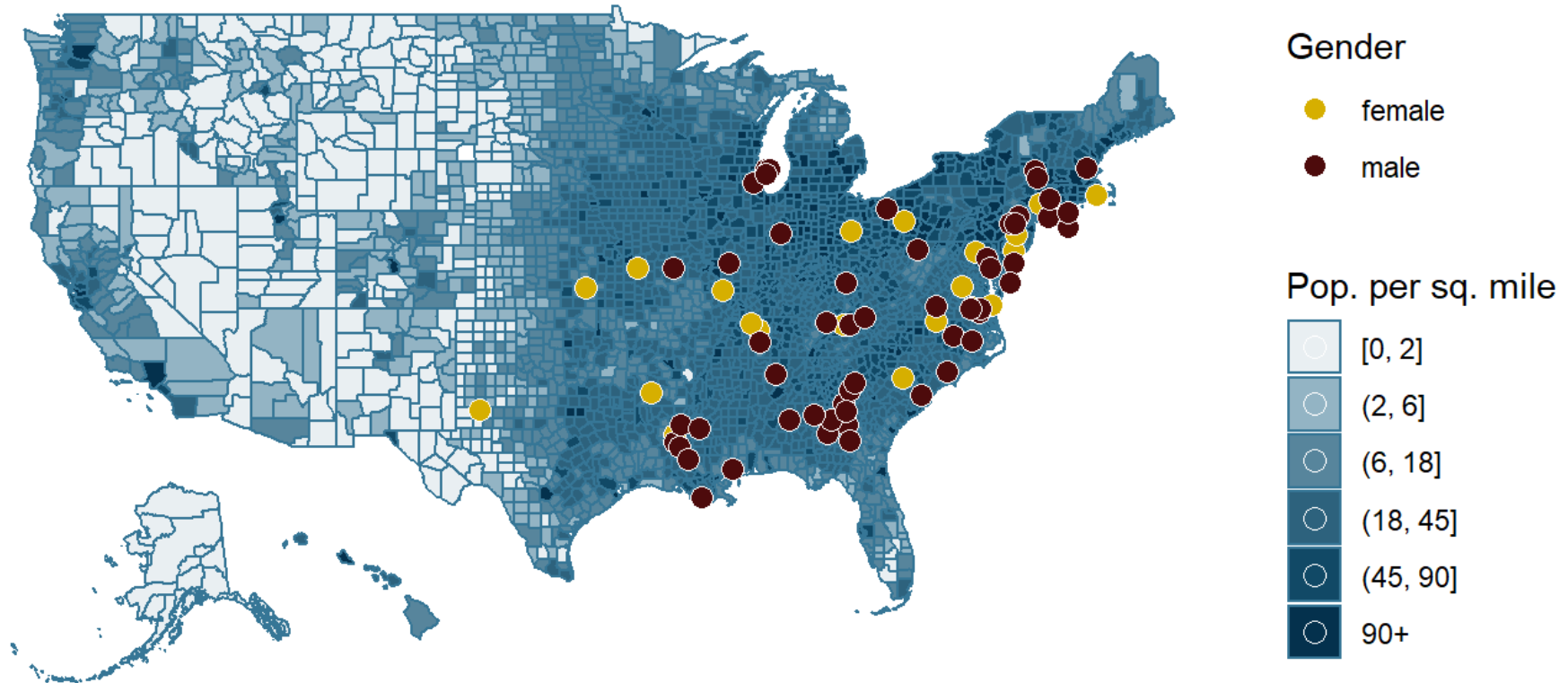
Location of “Firsts” and Population Density

Before 1861



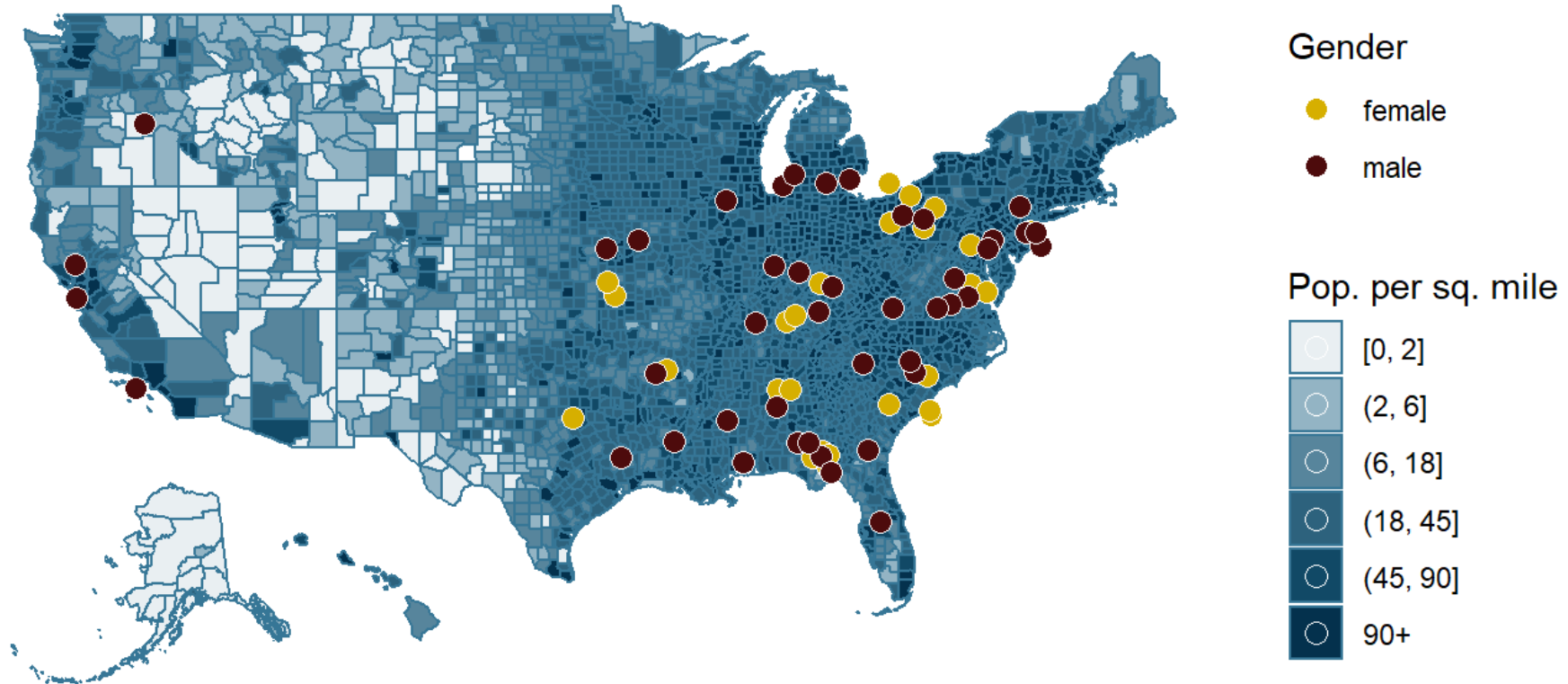
Location of “Firsts” and Population Density

1861 - 1940



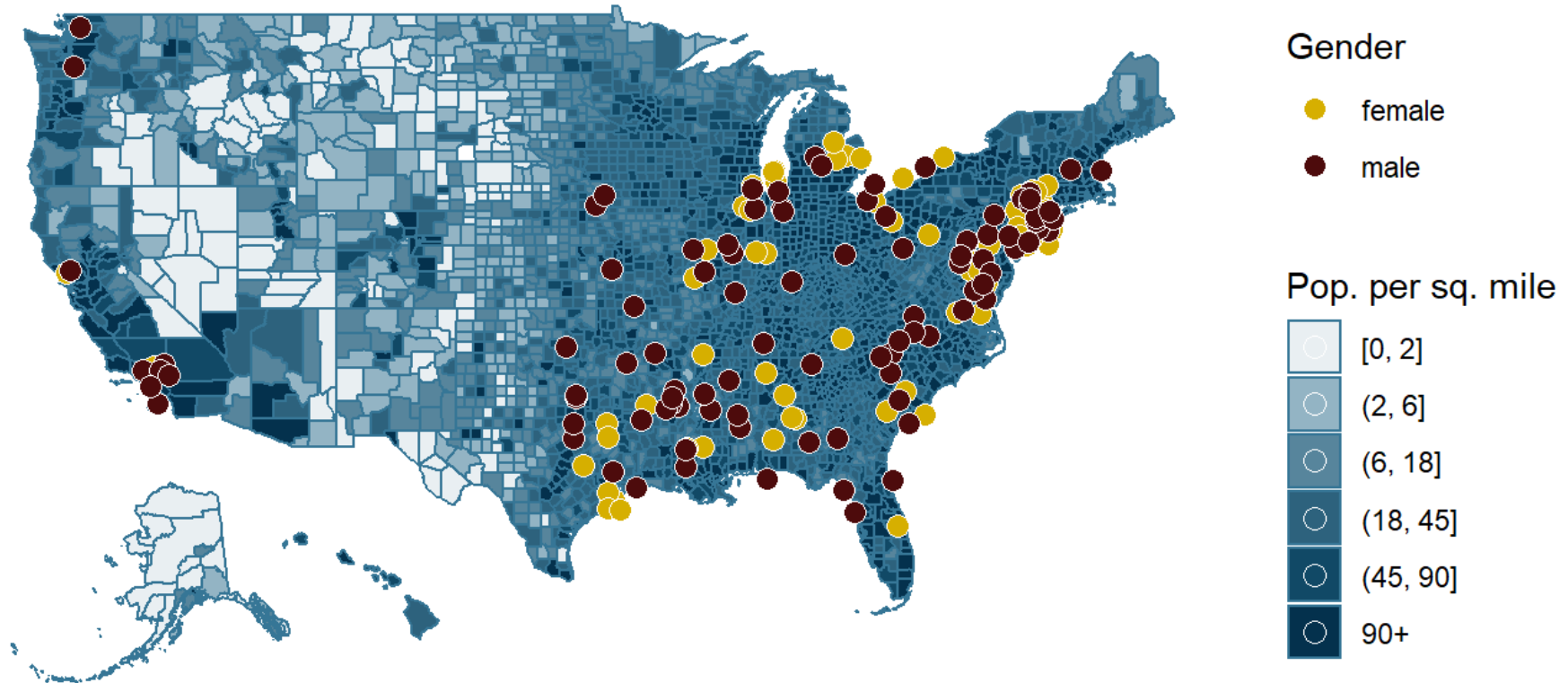
Location of “Firsts” and Population Density

1941 - 1962



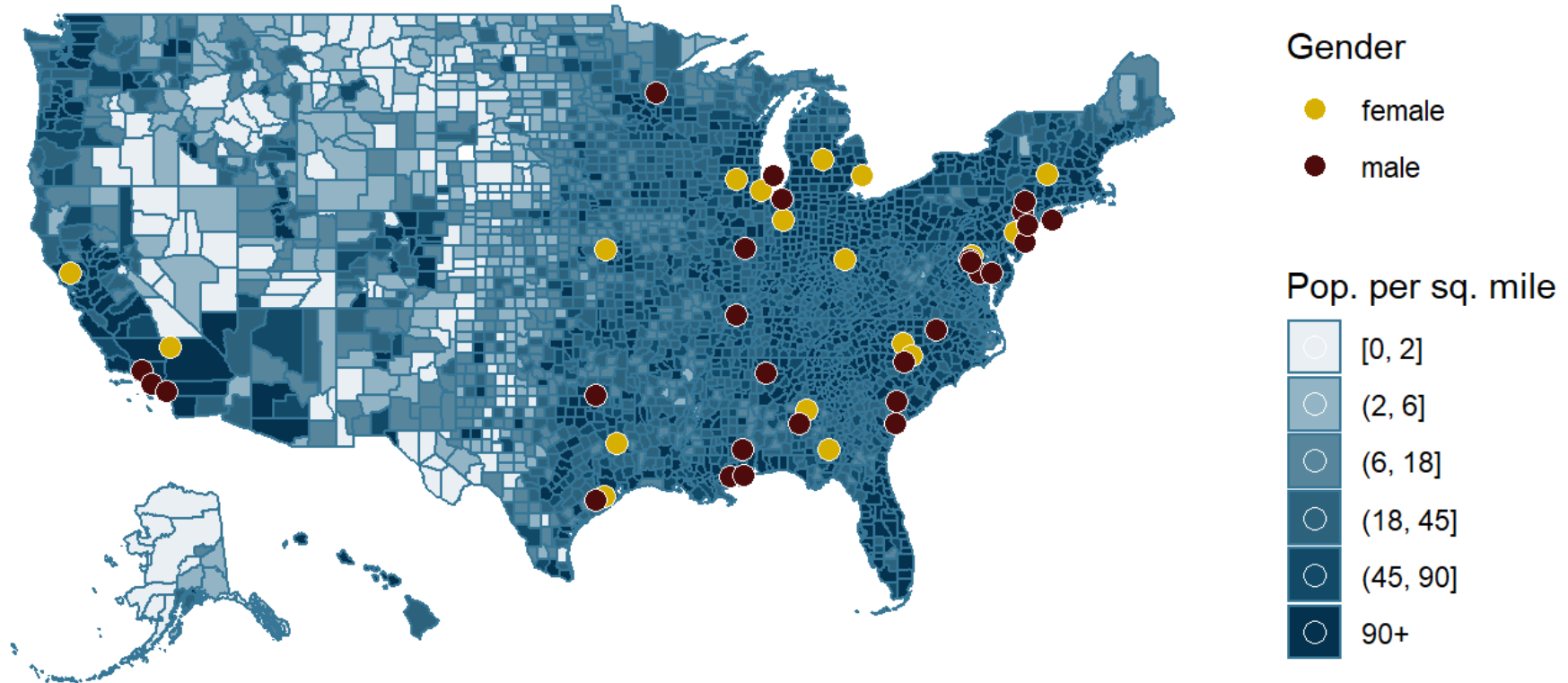
Location of “Firsts” and Population Density

1963 - 2007



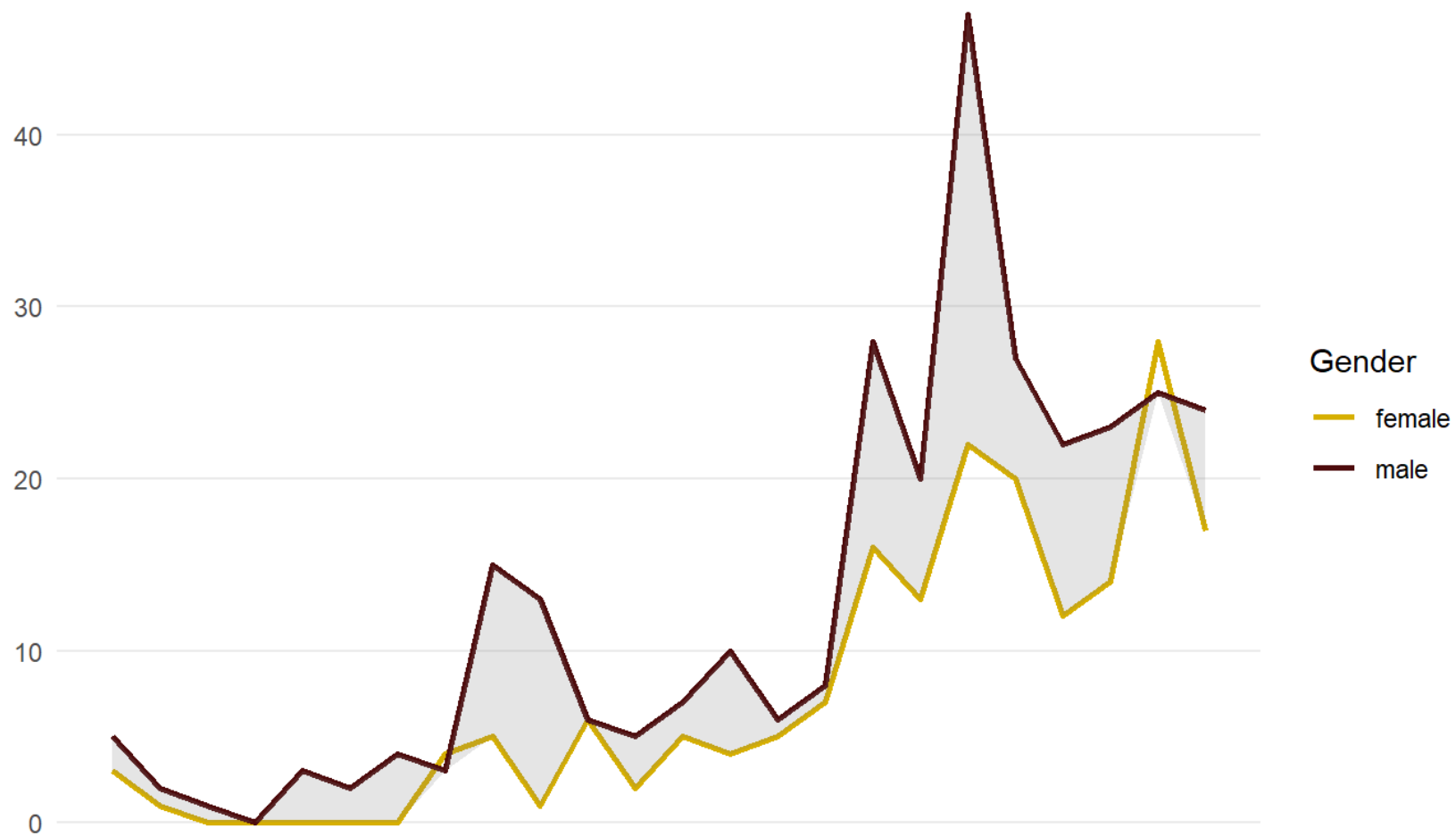
Location of “Firsts” and Population Density

From 2008 onward



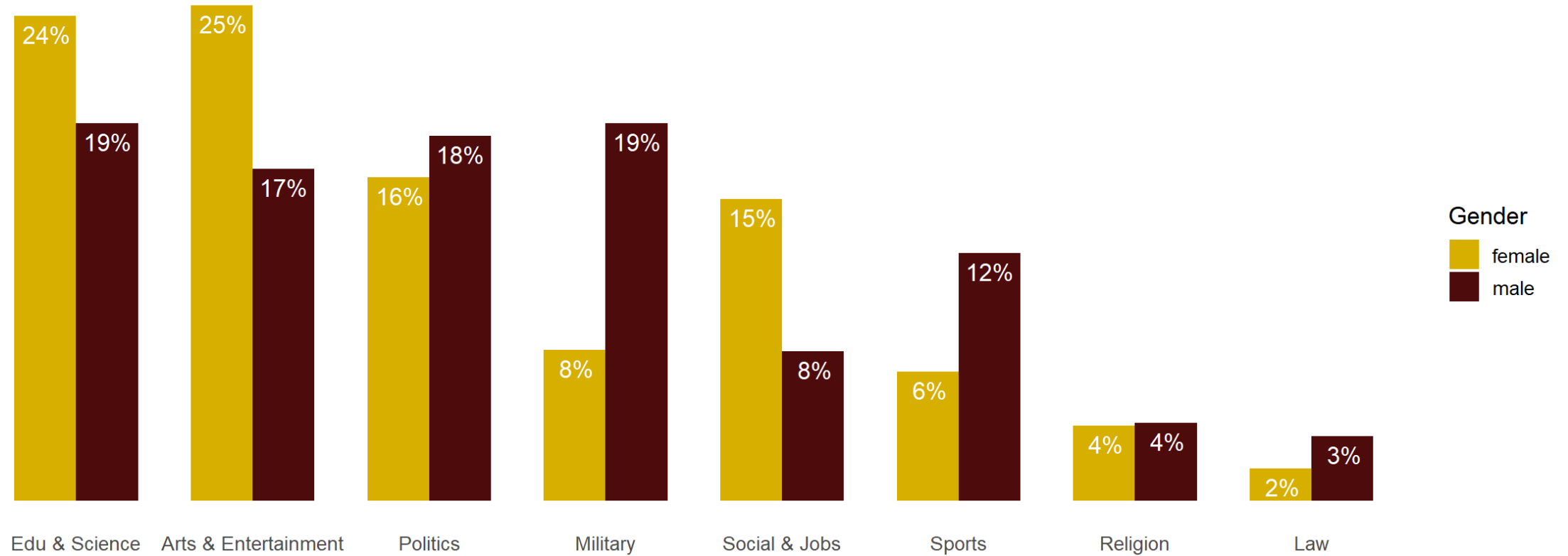
Gender Gap persists over Time

Number of “Firsts” over Time by Gender



“Firsts” follow stereotypical Gender Roles!

Proportion of “Firsts” per Category by Gender

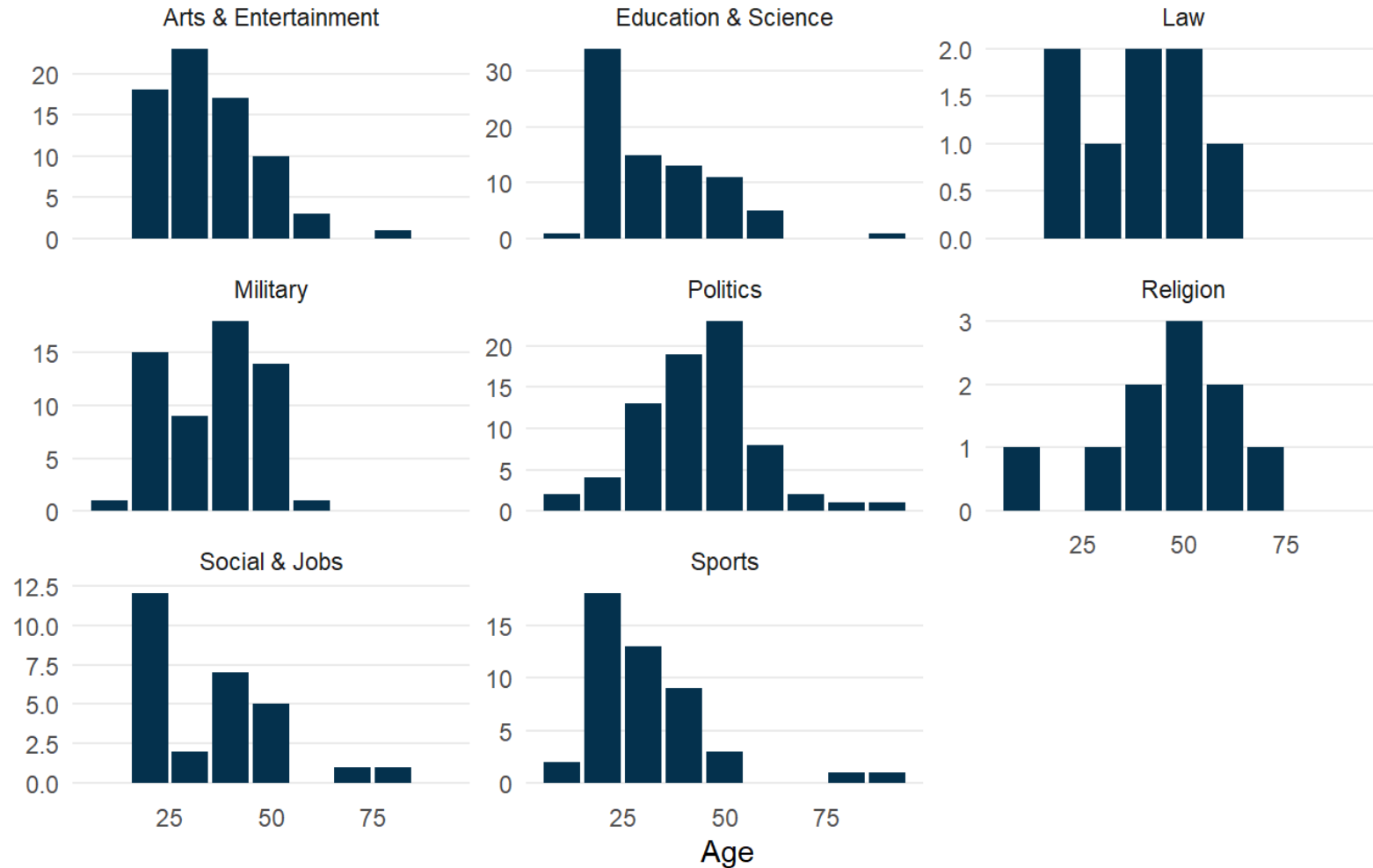


Limitations & Discussion

Backup

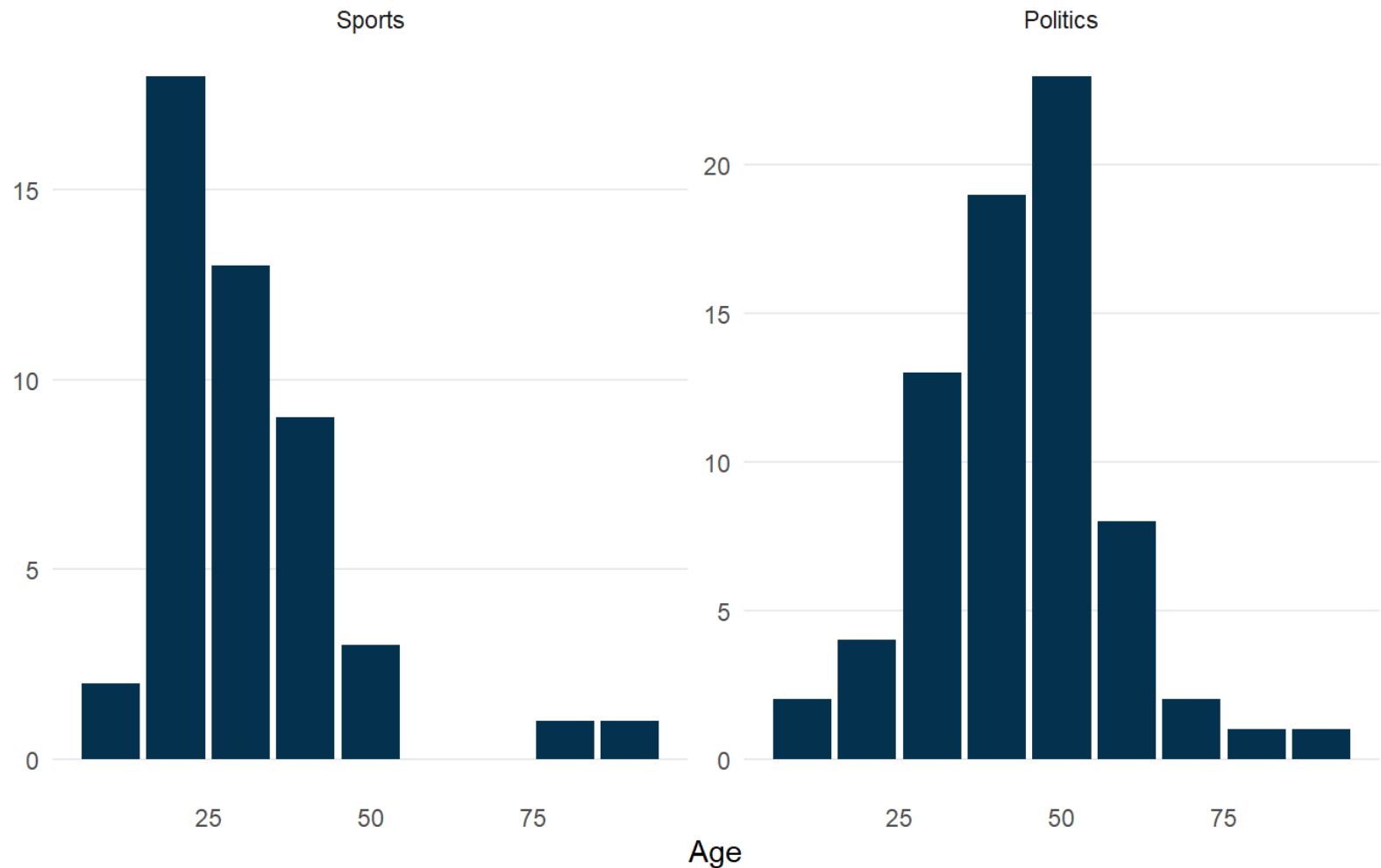
Different “Firsts” with different ages!

Number of “Firsts” by Age and Category



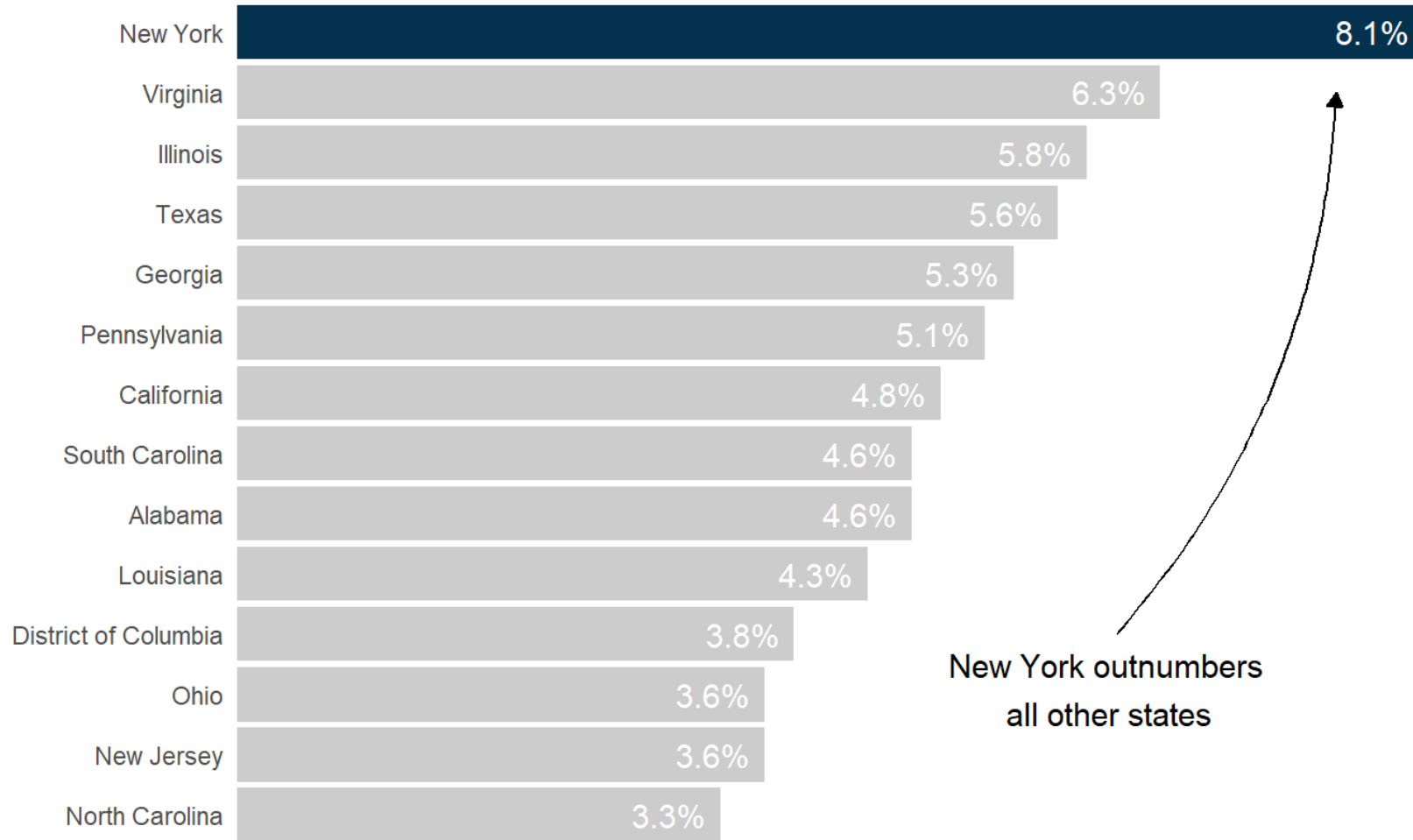
Differences in Sports and Politics

Number of “Firsts” by Age and Category



New York has Highest Number of Firsts

Percentage of “Firsts” per State



Thank you!
Any Questions?