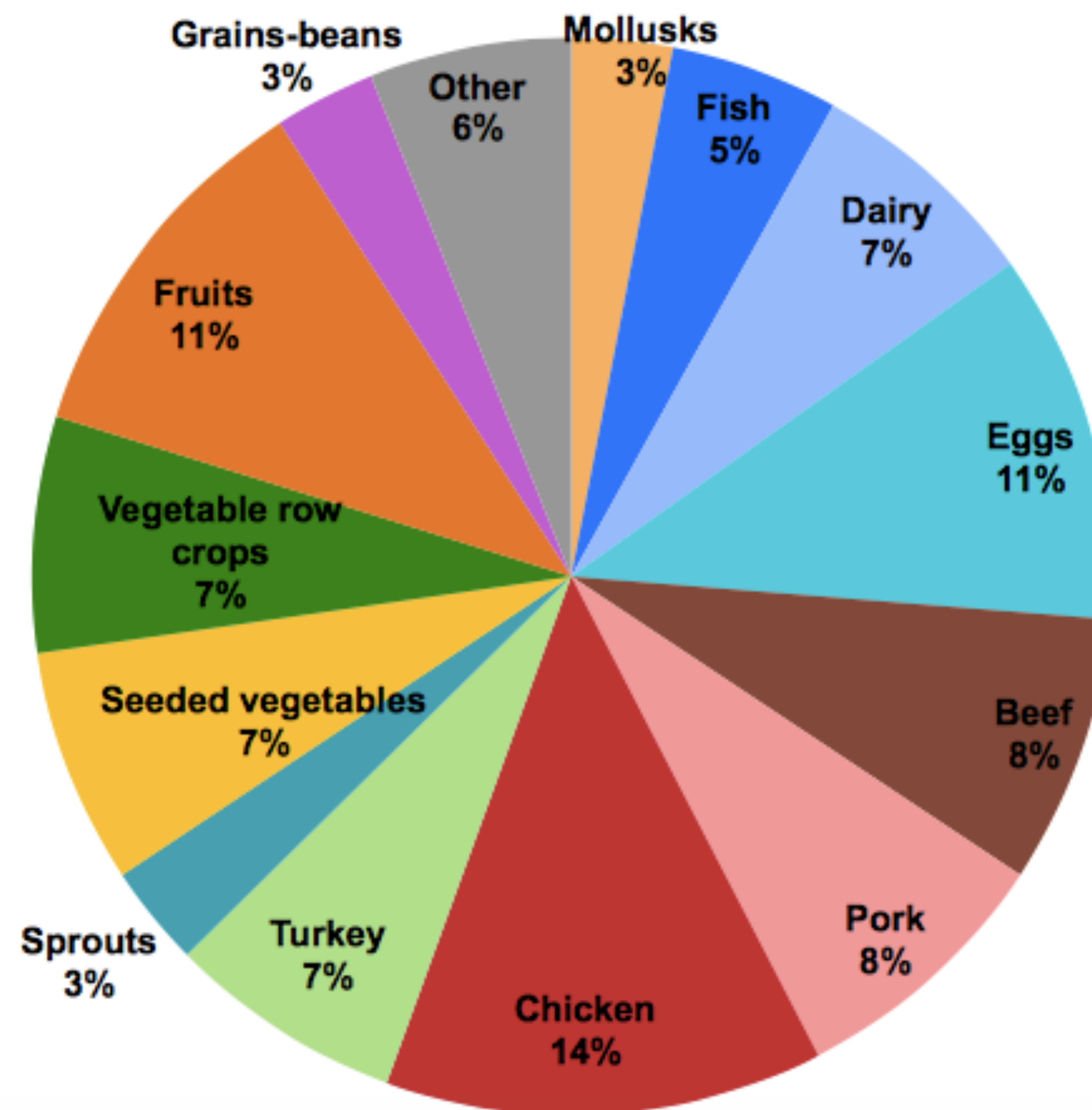


GR5702

Exploratory Data Analysis and Visualization

Prof. Joyce Robbins

Foods That Sickened People in Outbreaks, 2009-2014



Source: CDC National Outbreak Reporting System, 2009-2014

Figure 2.5 Past-30-day use of various tobacco products among U.S. middle and high school students; National Youth Tobacco Survey (NYTS) 2015

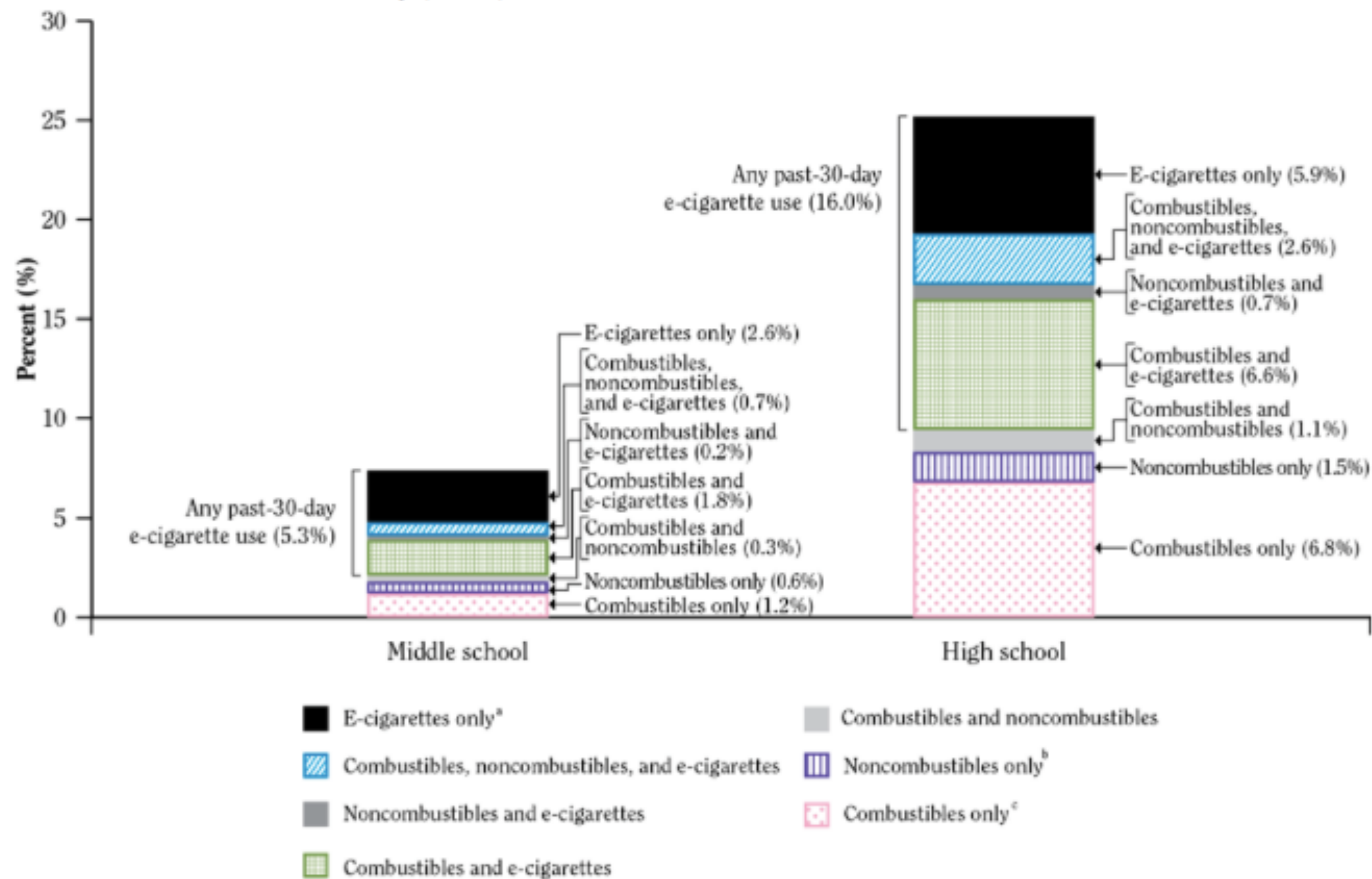


Figure AD-3a. Living arrangements of adults 18 and over

Growing complexity
Almost half of adults today do not live with a spouse

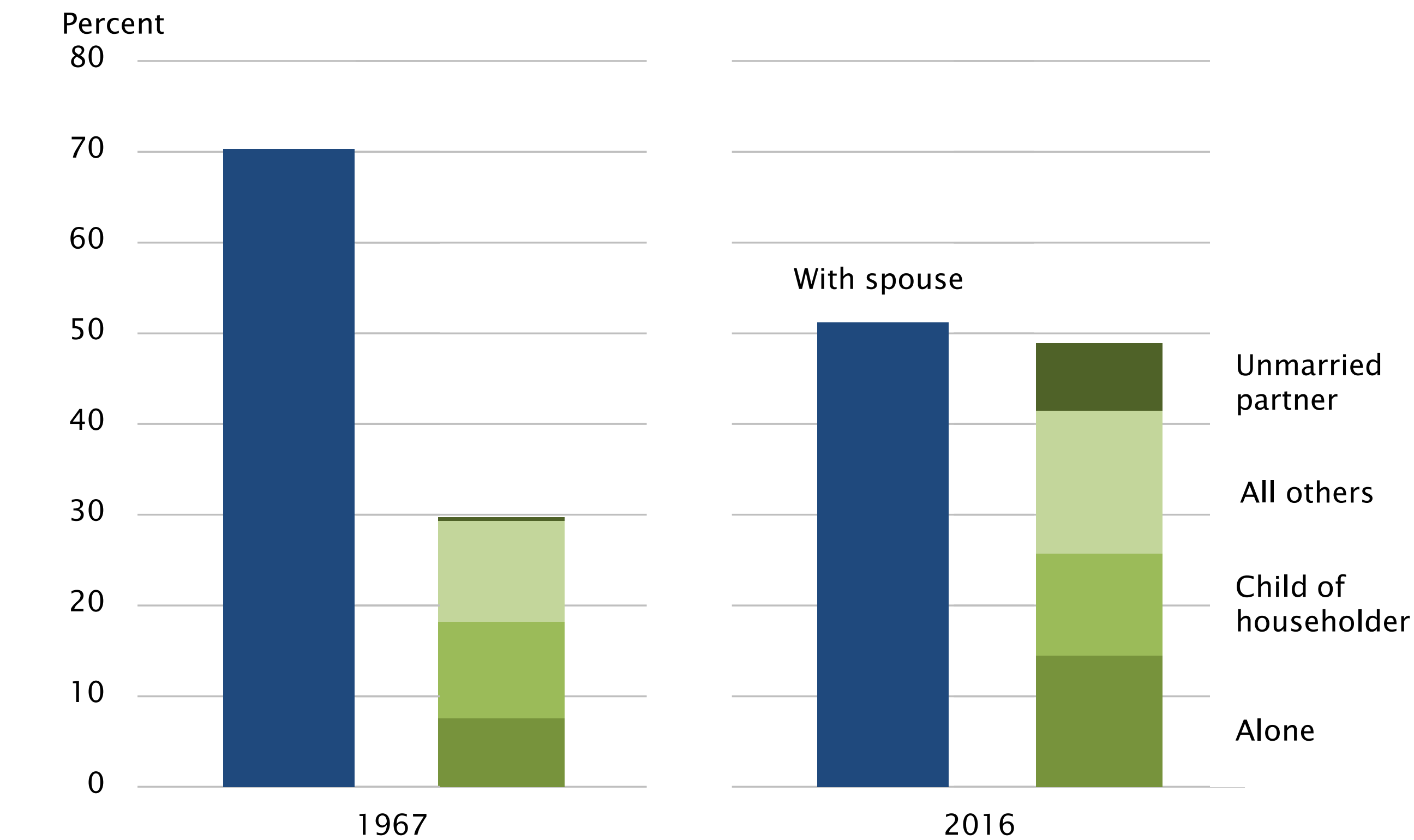
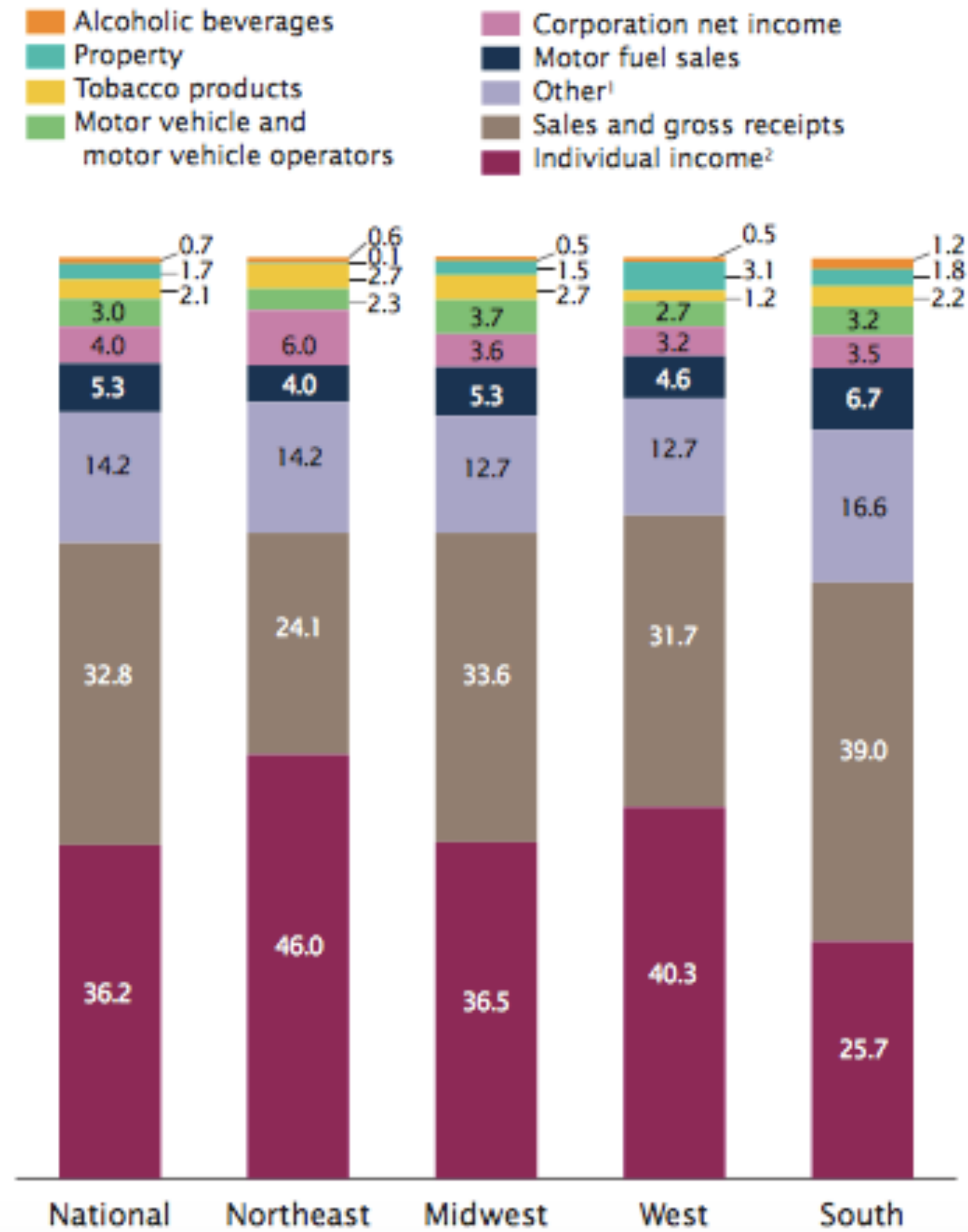
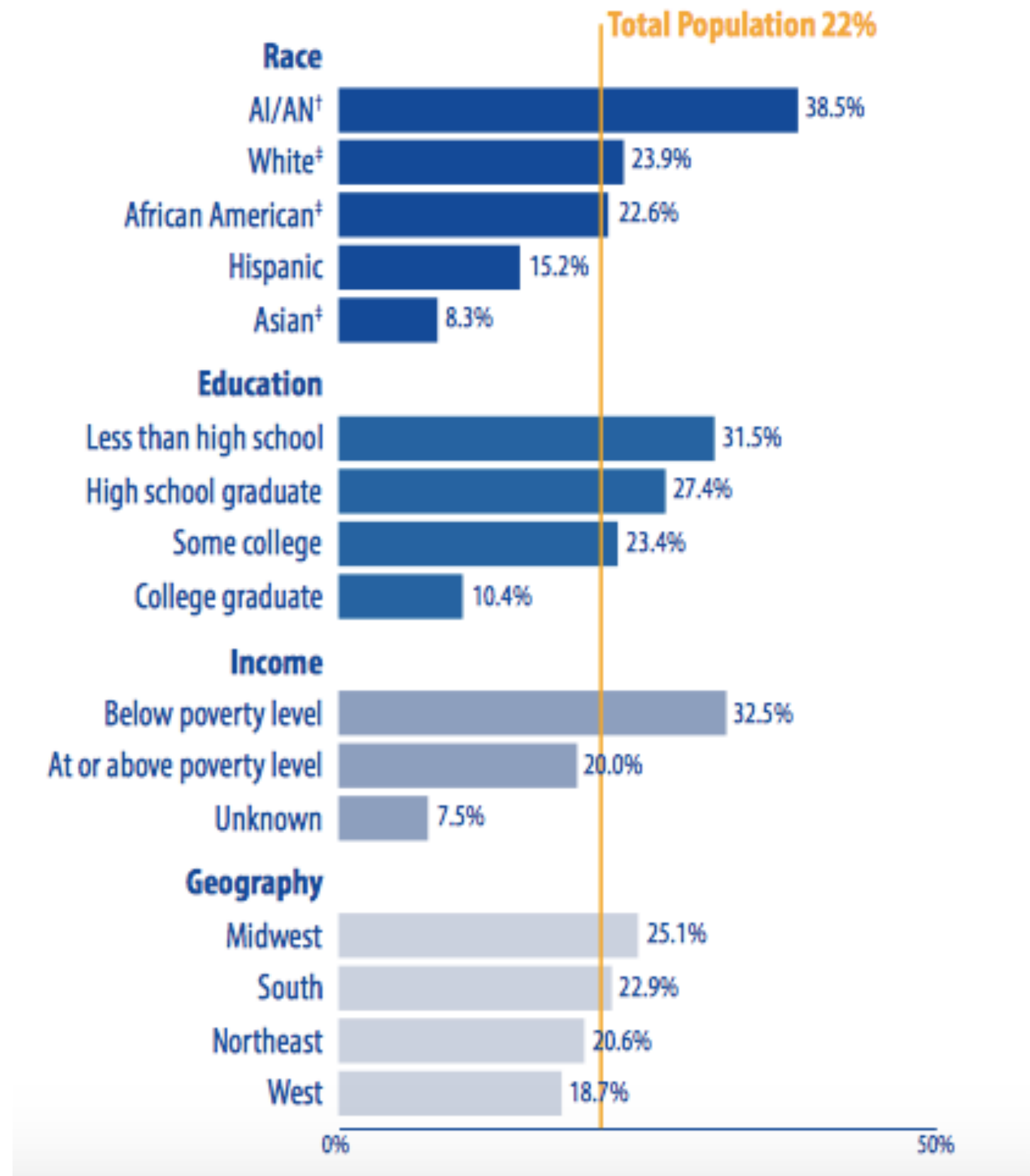


Figure 3.

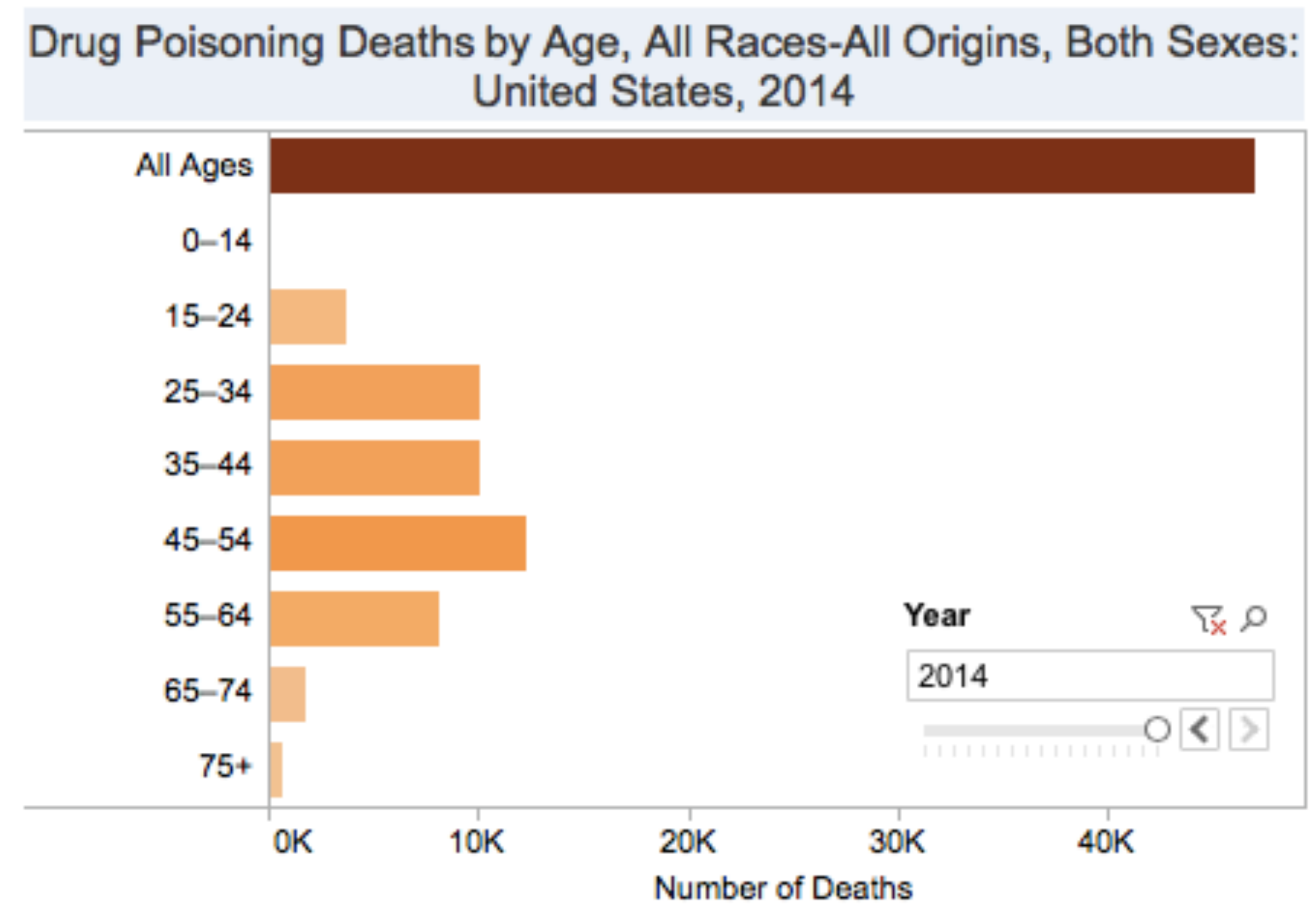
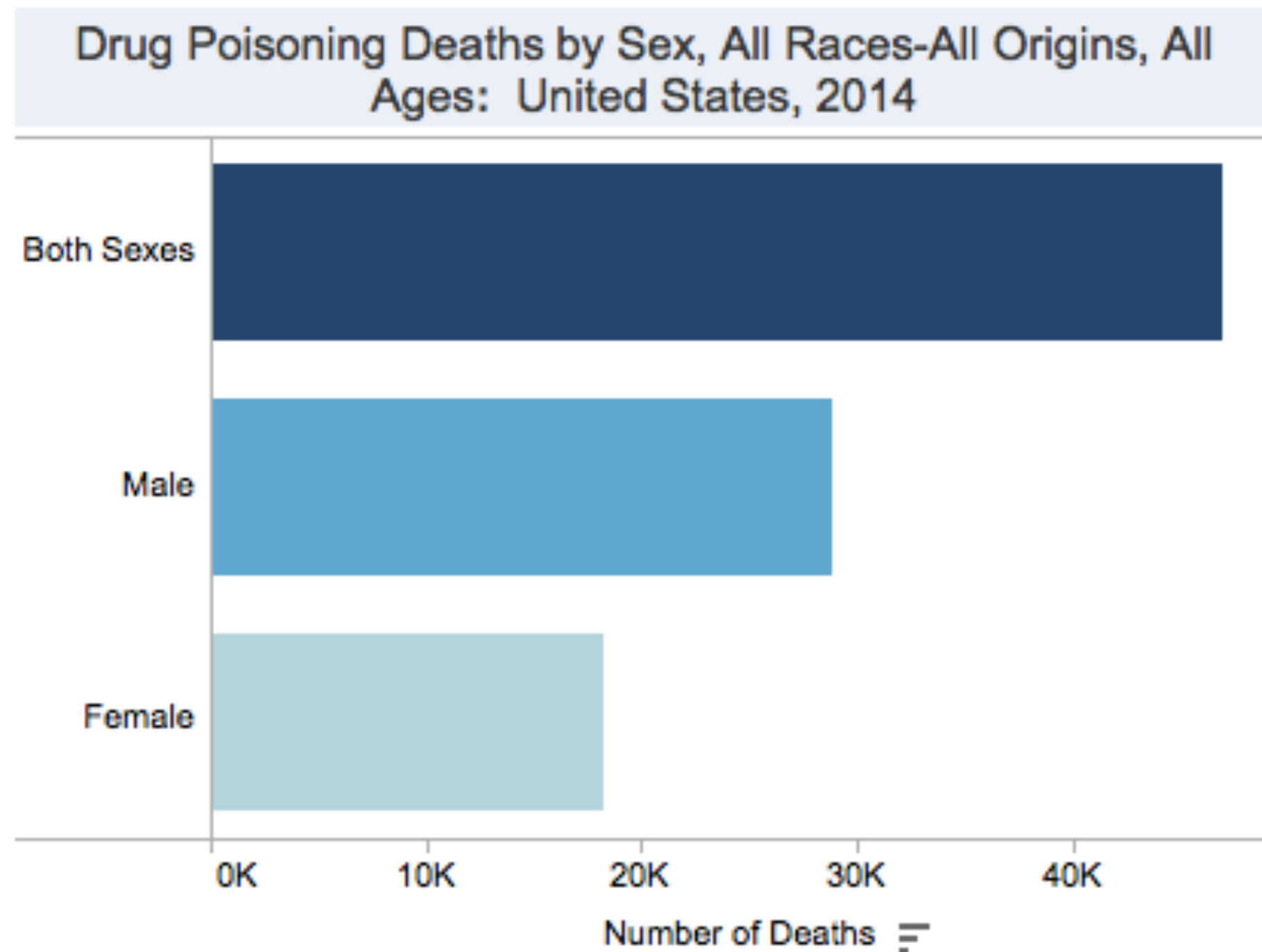
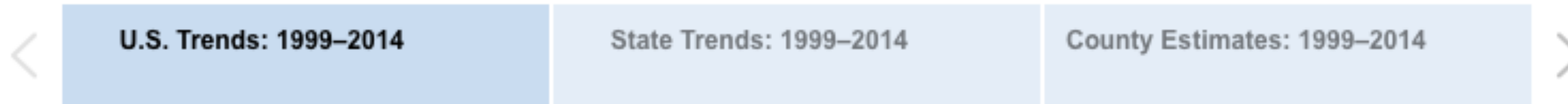
Distribution of State Government Revenue by Type of Tax for Nation and Census Regions: 2016 Q3



Current Cigarette Smoking Prevalence among Adults 18 and Older*



Drug Poisoning Mortality†: United States, 1999–2014



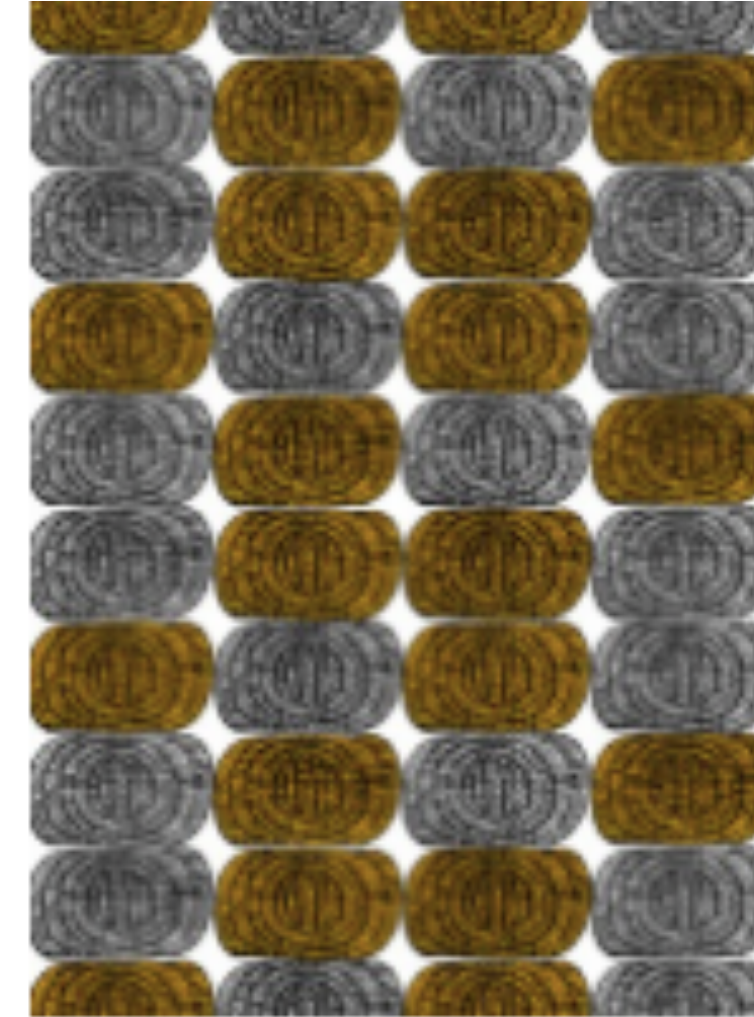
marimekko



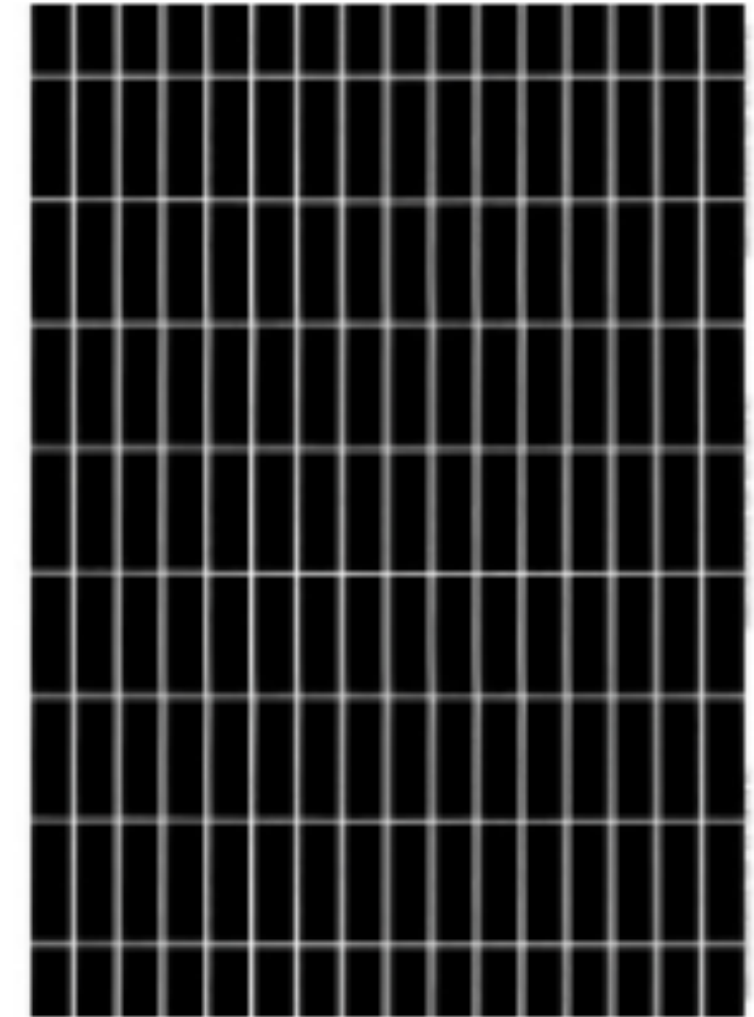
Jurmo coated cotton fabric
\$59.00



Jurmo coated cotton fabric
\$59.00



Mehiläispesä coated cotton
fabric
\$59.00



Tiliskivi coated cotton fabric
\$59.00



Pieni Unikko 2 coated cotton
fabric
\$59.00



Pieni Unikko 2 coated cotton
fabric
\$59.00



Pieni Unikko 2 coated cotton
fabric
\$59.00

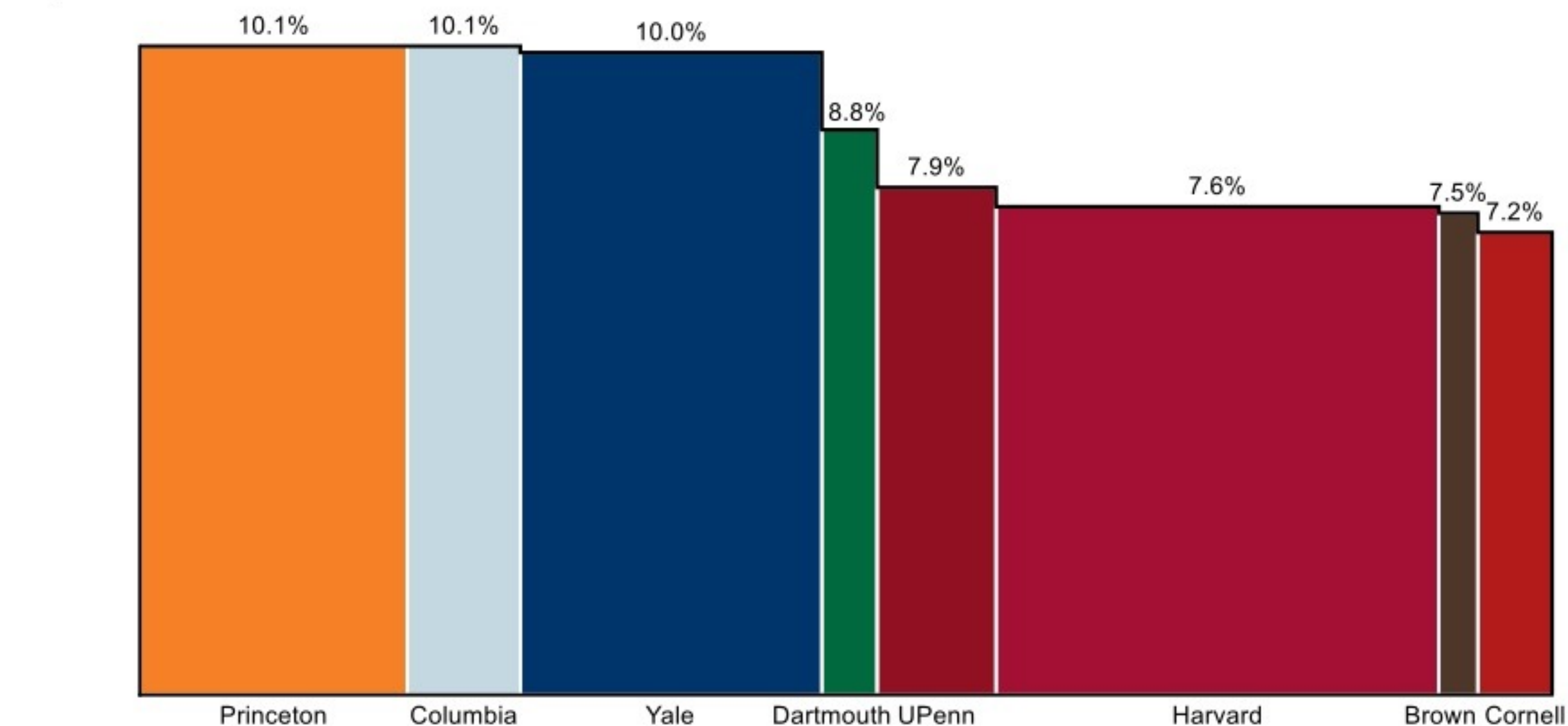


Kukko Ja Kana coated cotton
fabric
\$59.00

Ivy League Endowment Investment Returns

While Harvard has by far the largest endowment of any ivy, its returns over the last 10 years have been underwhelming.

10 yr annualized returns



Assets Under Management (\$B)	23	10	26	5	10	38	3	6
Endowment Chiefs' Tenure (yrs)	21	14	31	5	3	0	3	1

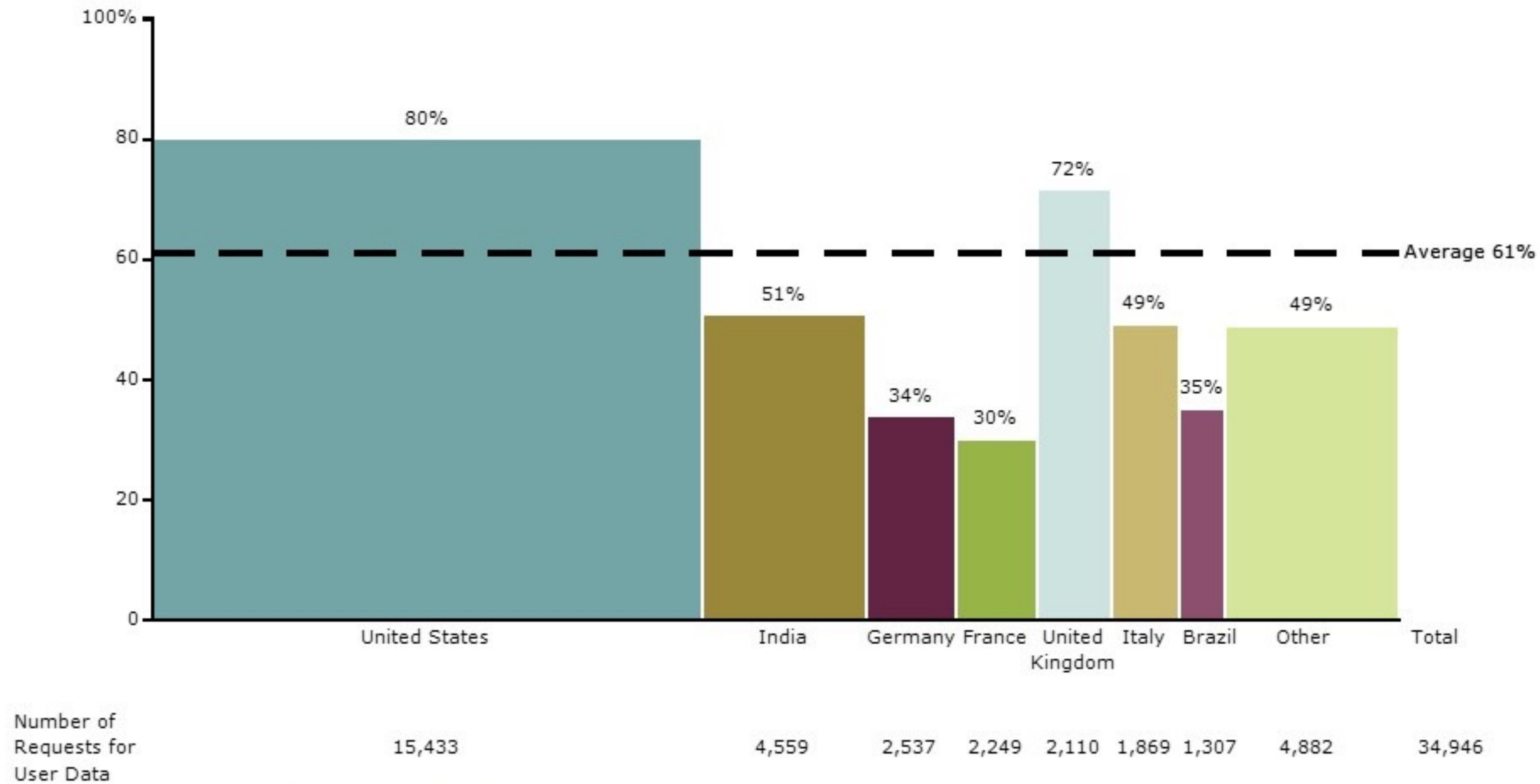
Source: [Wall Street Journal](#)

Subscribe to the [Chart of the Week](#)

Facebook Government Data Requests by Country

The US and UK grant highest percentage of government data requests

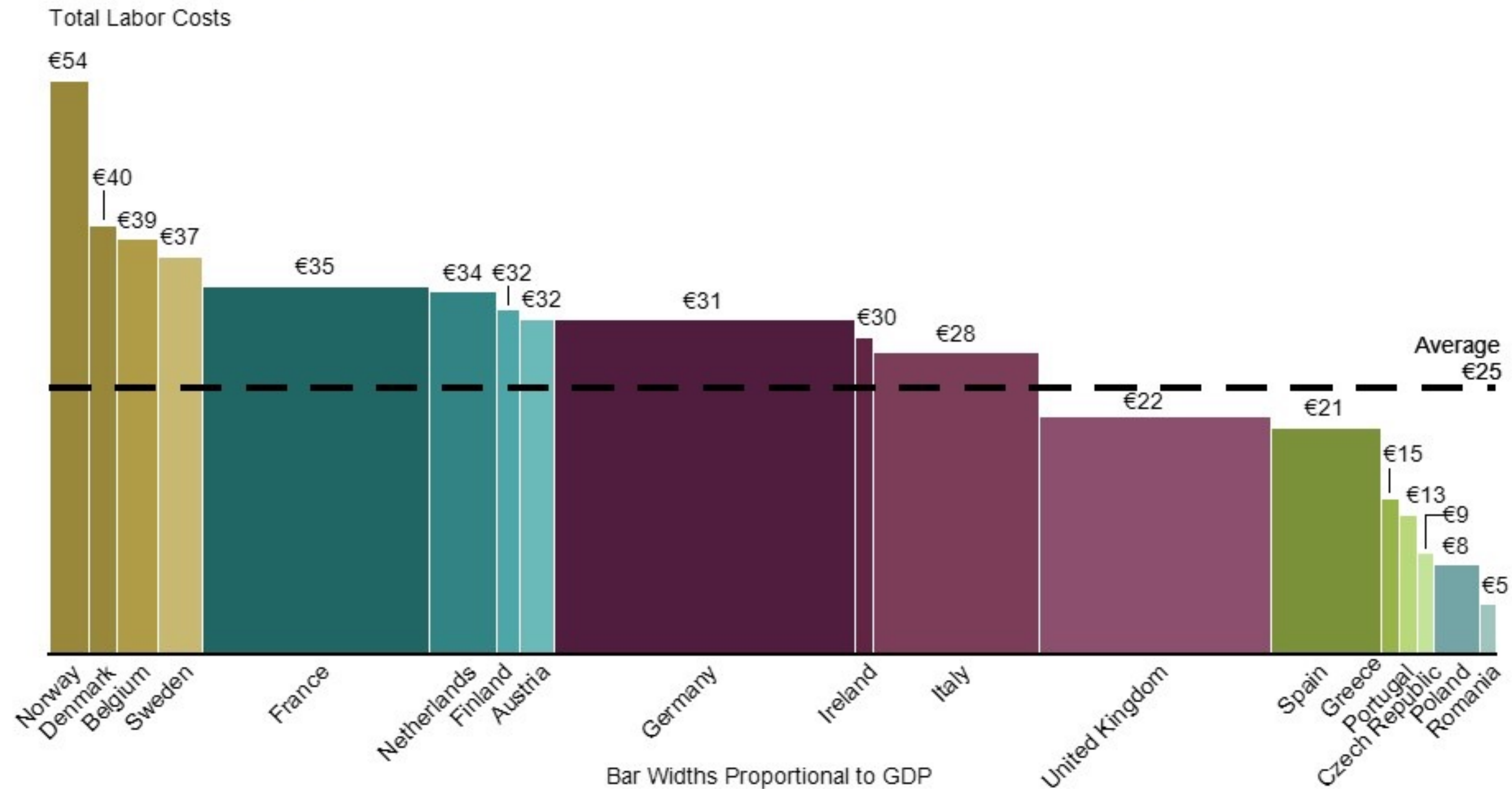
Percentage of Data Requests Where Some Data Produced (H1 2014)



Source: Company information

Tenfold Variation in Labor Costs Among European Countries

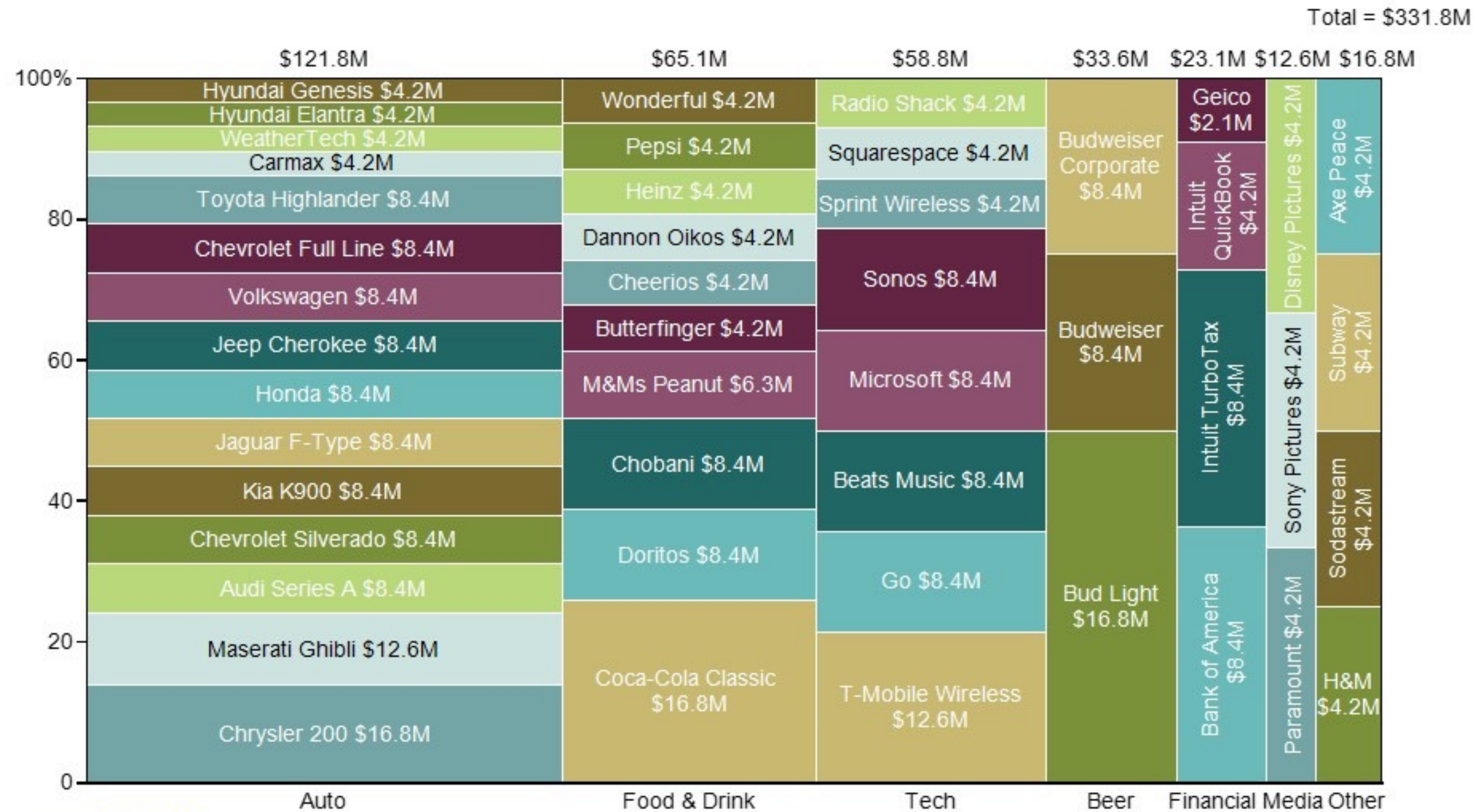
Total labor costs vary between €54 per hour and €5 per hour in the 18 largest European countries.



Source: [Eurostat](#)

Super Bowl Ad Spending

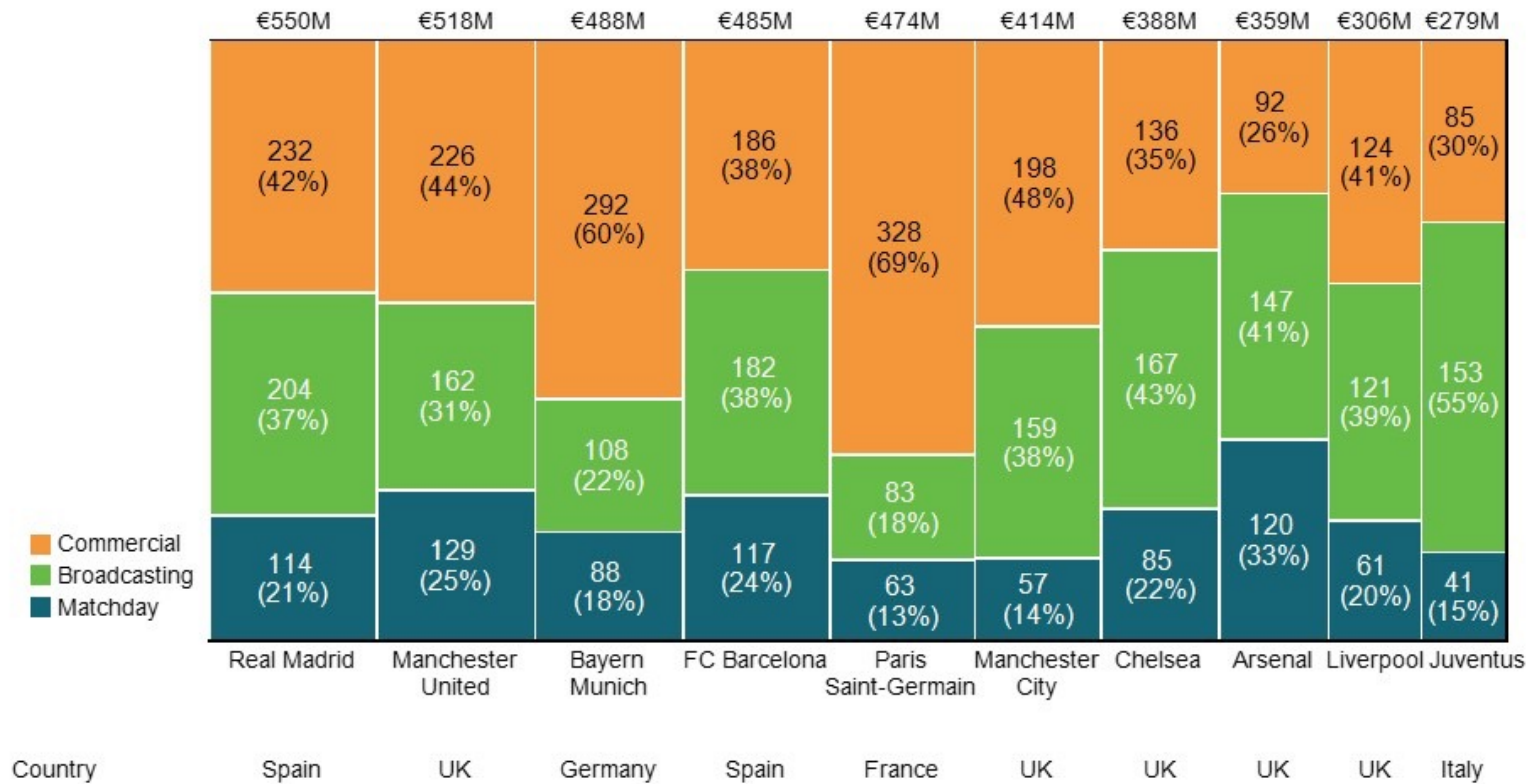
Despite all the beer and food consumed during the Super Bowl, auto is the biggest spender on ads and Budweiser is the only beer company represented.



Source: [Kantar Media](#)

Football Revenue Mix

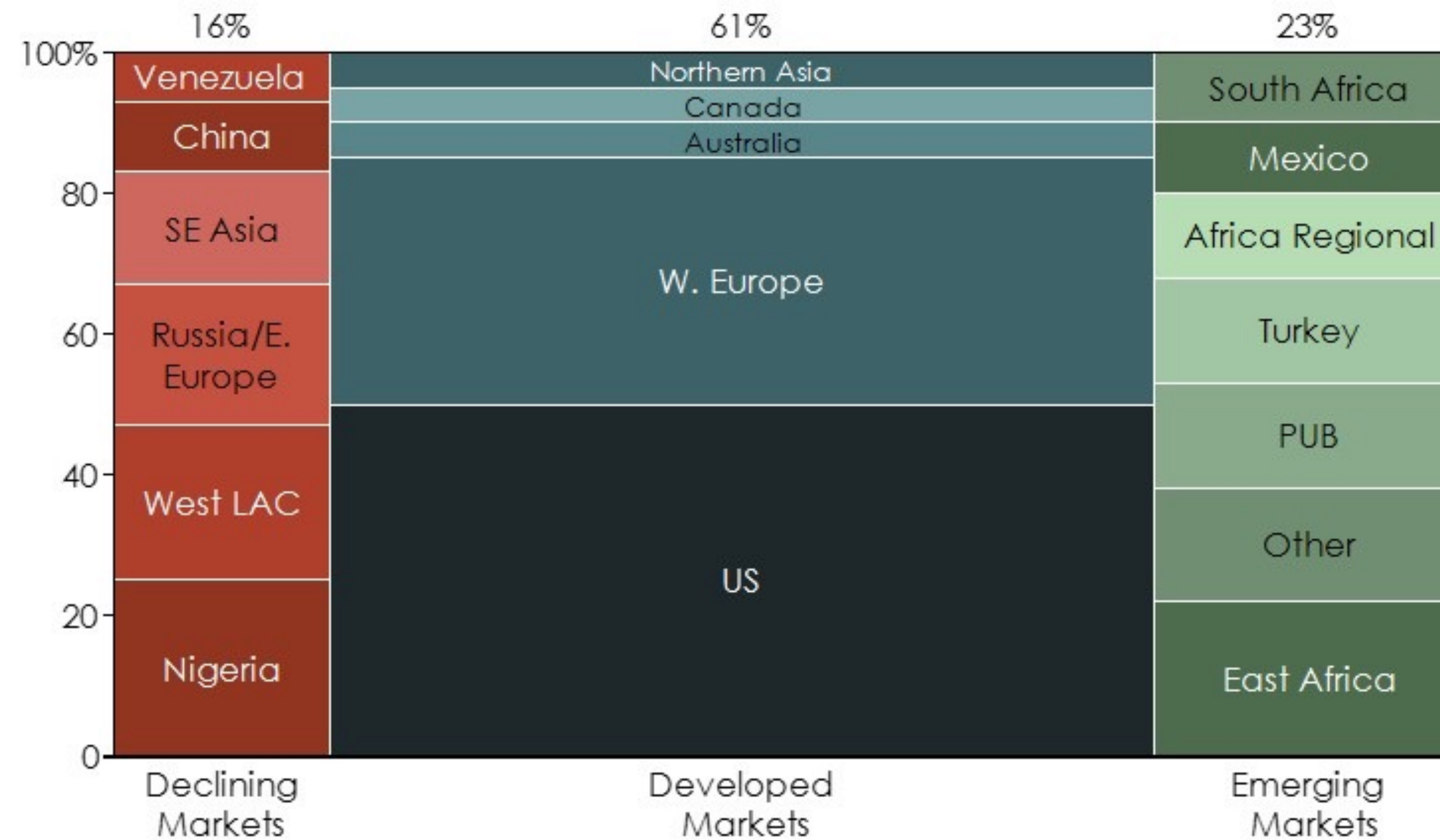
There is a significant variability in mix between Top 10 revenue teams.



Source: Football Money League 2015

Diageo Market Map

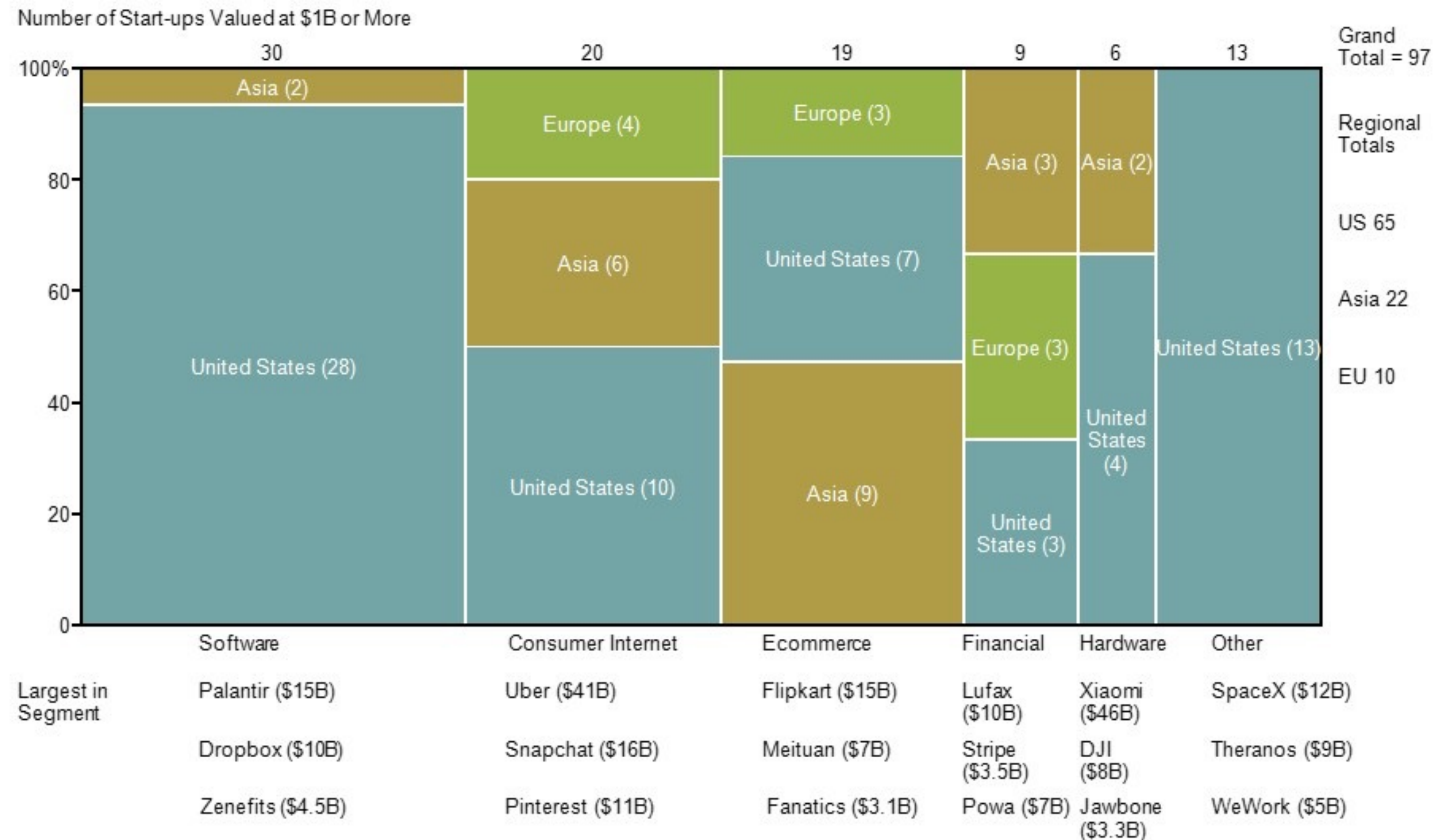
African markets are mixed, with Nigeria as the largest declining market and East Africa as the largest emerging market.



Source: Company data

Billion Dollar Start-Ups

The 97 startups now valued at \$1B+ are spread across many tech sectors and 3 continents with a concentration in the US and in software-related companies.



Source: [Wall Street Journal](http://www.wallstreetjournal.com)

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Single

One User

\$399

Per User Per Year

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32 Chart Types

Seamless PowerPoint Integration

Volume

4-100 Users

\$249

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32 Chart Types

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Enterprise

101 or More Users

\$149

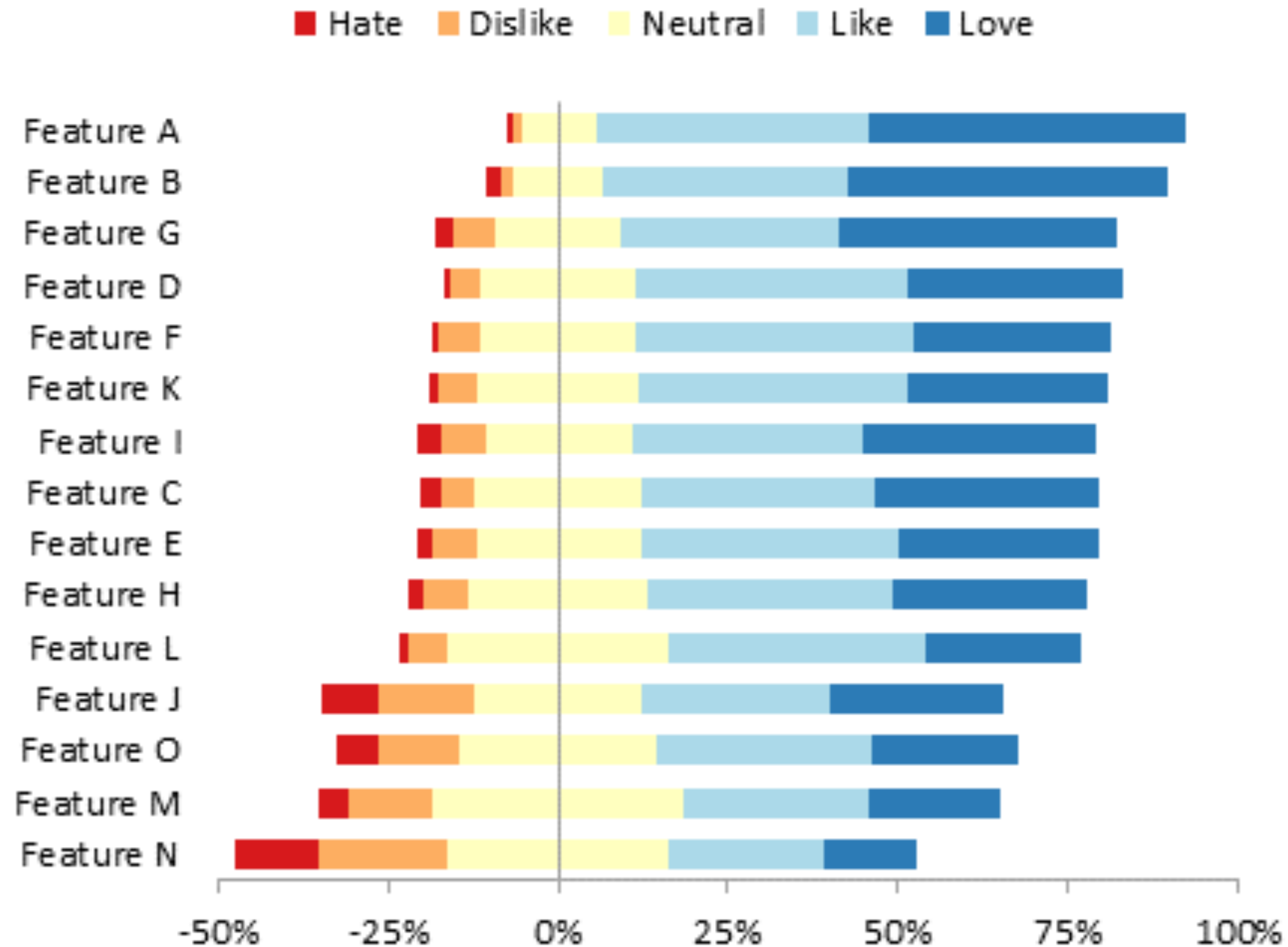
Per User Per Year

[Contact](#)[Contact](#)

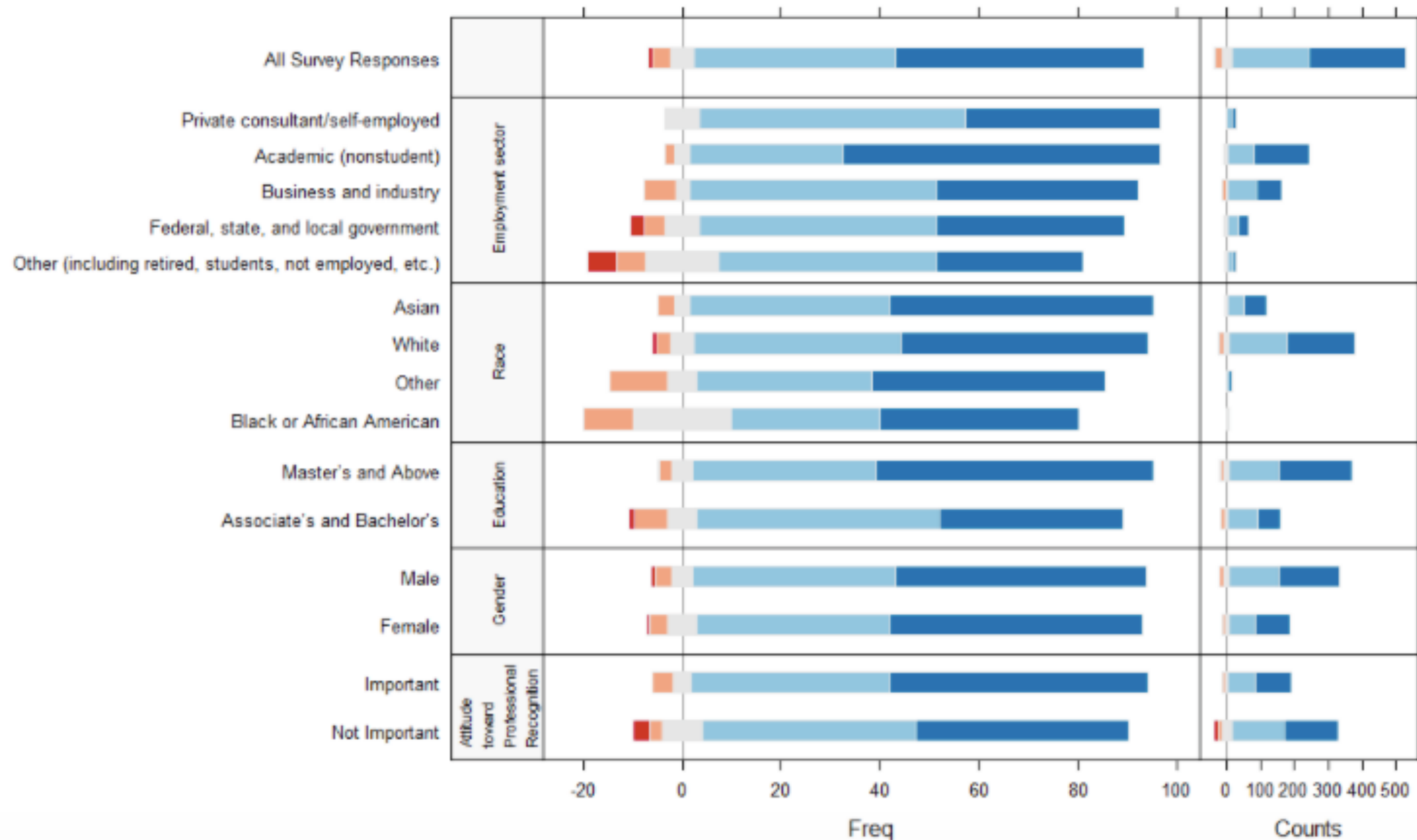
32 Chart Types

Seamless PowerPoint Integration

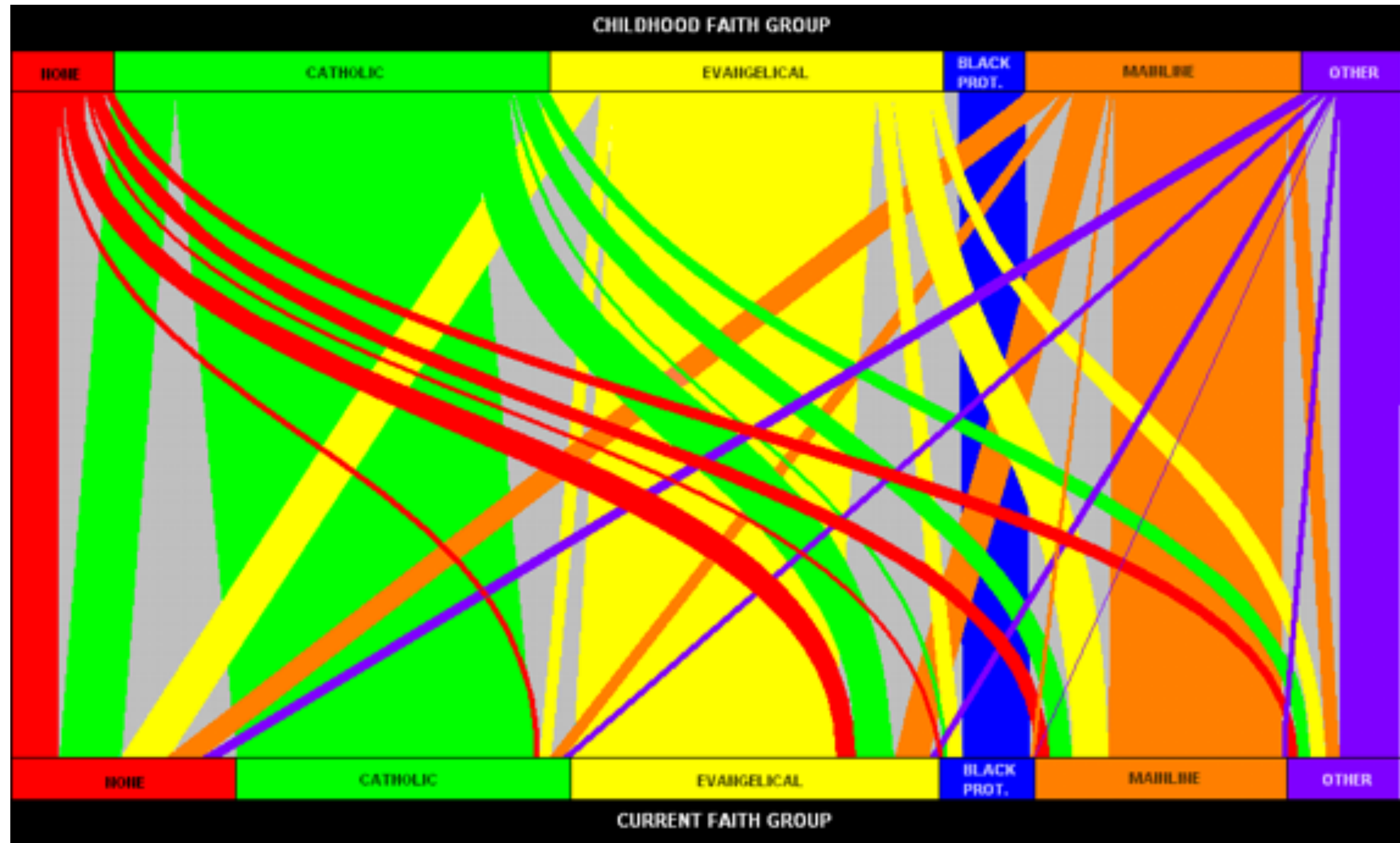
Diverging Stacked Bar Chart



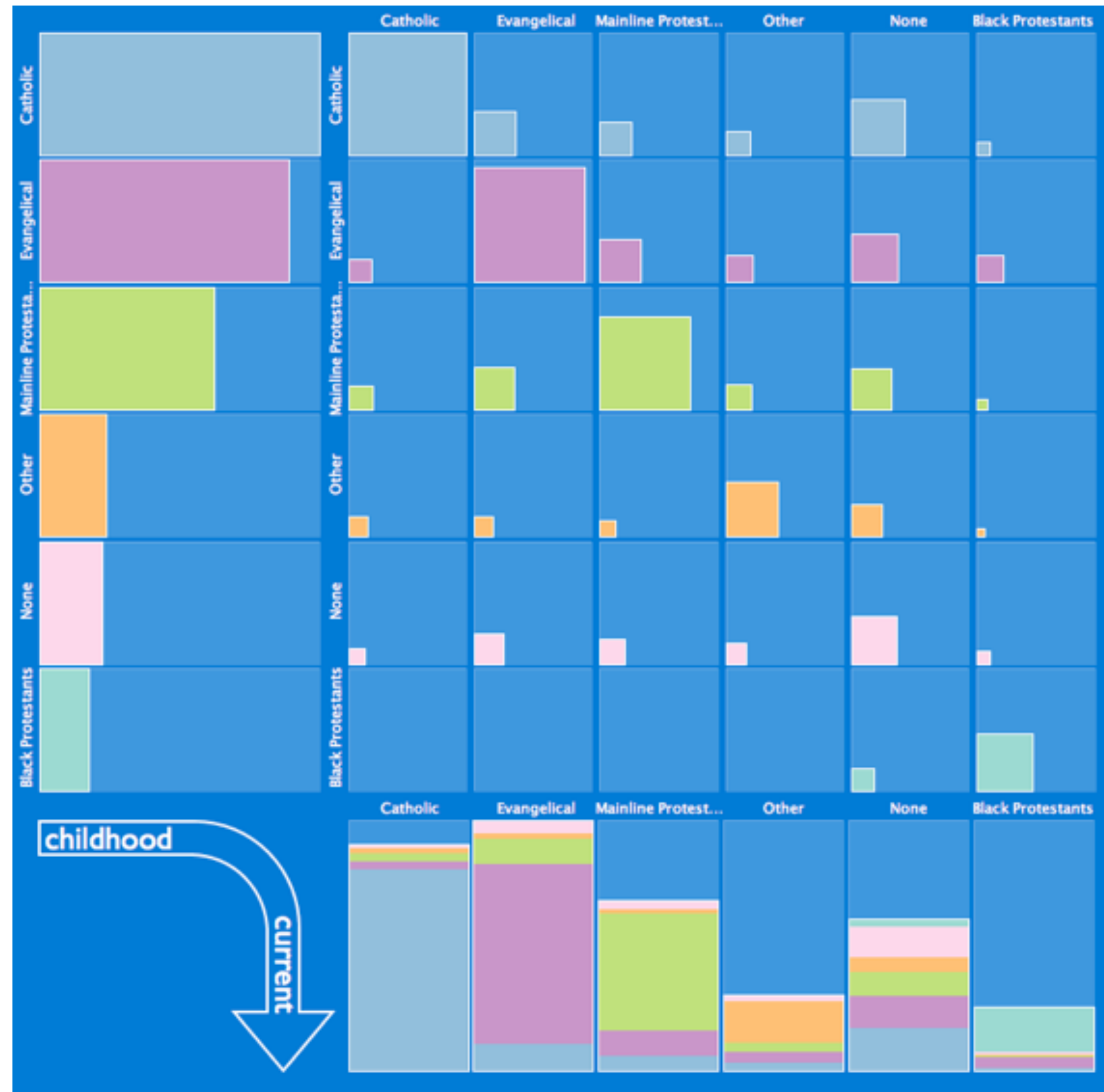
Diverging Stacked Bar Chart



Alluvial Diagram



Fluctuation Diagram



Remainder of lecture

- see EDAV20170216.Rmd