



MAPS IN THE GRAMMAR OF GRAPHICS

Dr Alexandra Anderson



A step-change in
quantitative social
science skills
Funded by the
Nuffield Foundation,
ESRC and HEFCE

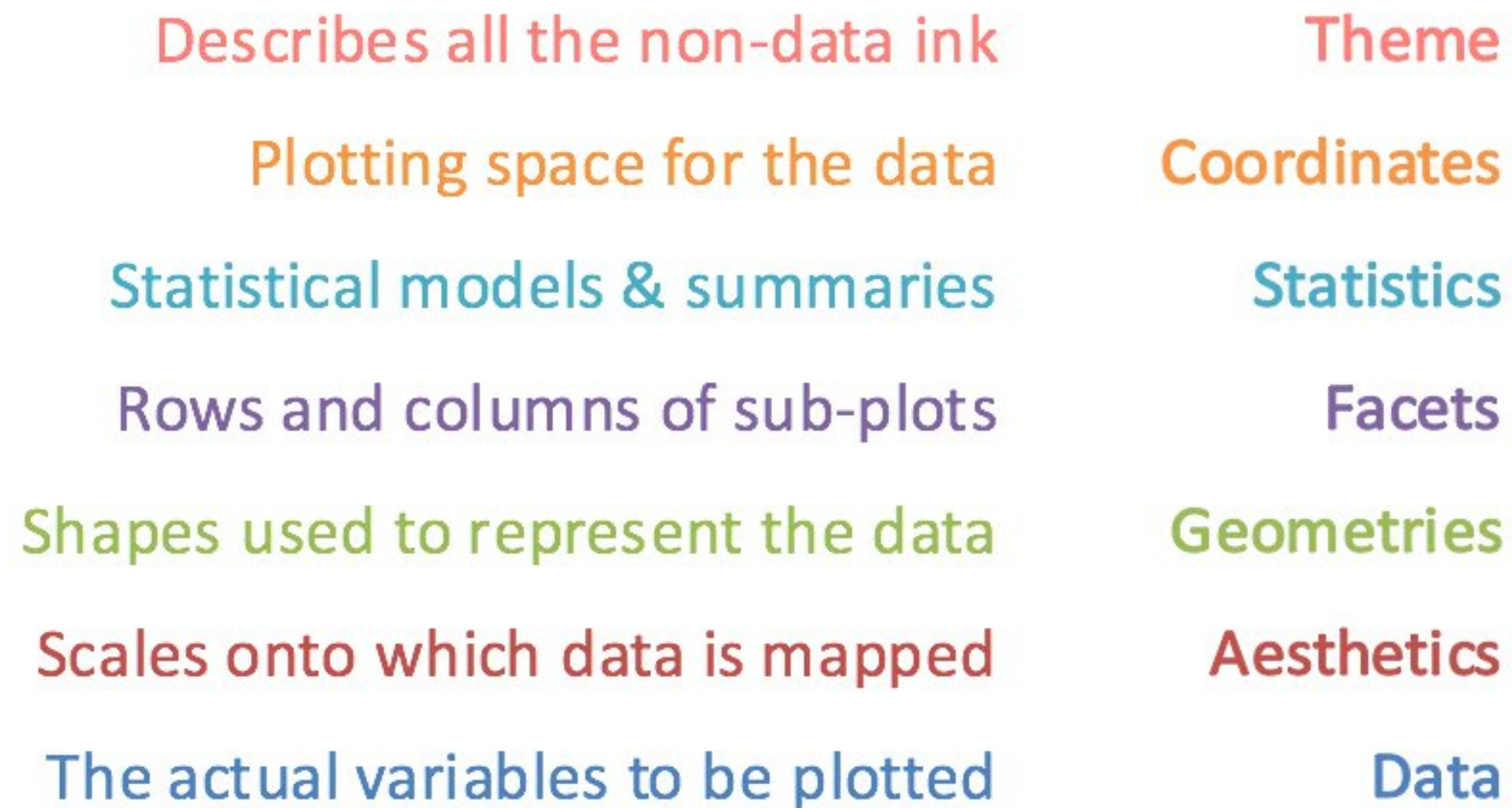


MAP ELEMENTS

BASIC MAP ELEMENTS

- Polygons – closed shapes of an area. Example: country borders
- Points – show specific positions. Example: cities, landmarks
- Lines - linear shapes that do not normally hold/present data. Example: roads, rivers
- Text – gives us information. Example: title, legend.

THE LAYERS IN THE GRAMMAR OF GRAPHICS

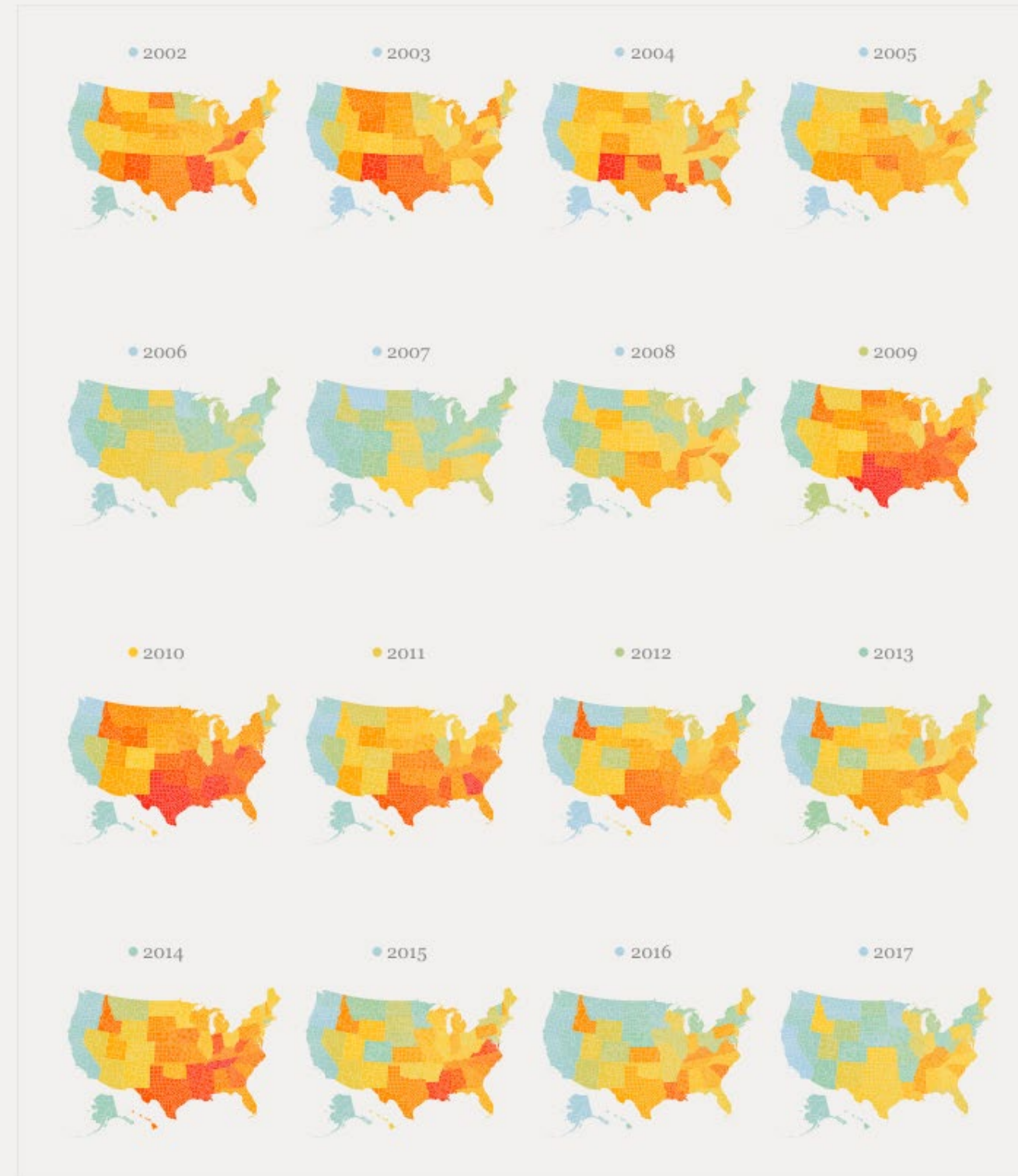


Source: Ganes Kesari (2018) My Talk on Grammar of Graphics: The Secret Sauce of Powerful Data Stories

THE FACET LAYER

At Minimum.

% of all U.S. hourly workers earning minimum wage or less

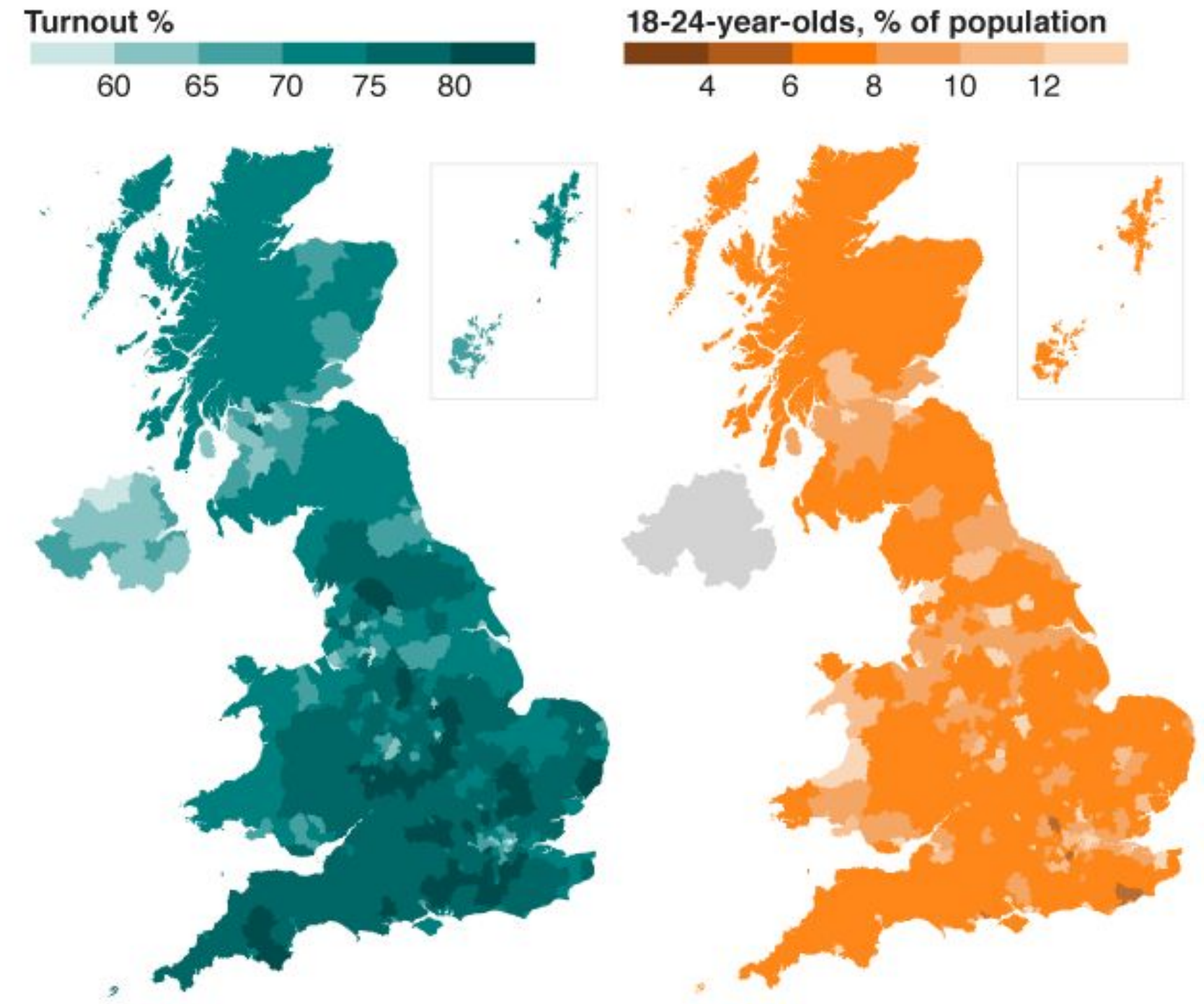


Source: U.S. Bureau of Labor Statistics
Inspired by FiveThirtyEight's Ella Koeze

THE THEME LAYER

- Legend
- (North) arrow
- A scale bar
- A title (etc)

Turnout was low in areas with more young people



Source: Census 2011

BBC



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