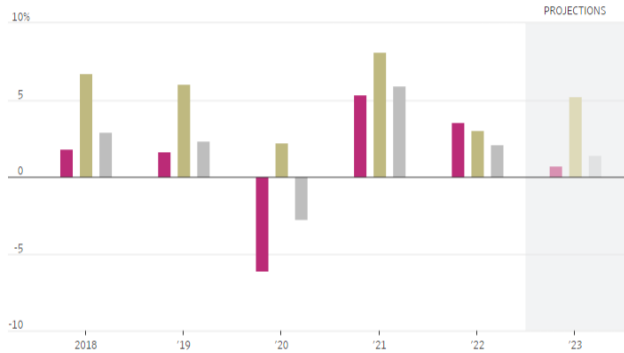


# Lecture 3: Bar Graphs

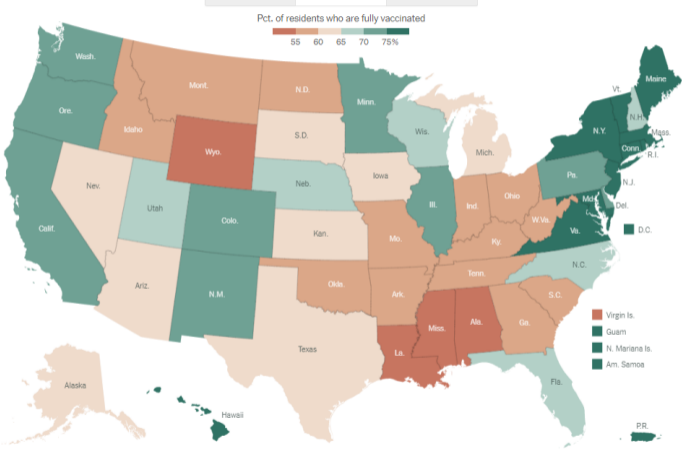
February 6, 2022

### Annual GDP growth

■ Eurozone ■ China ■ U.S.



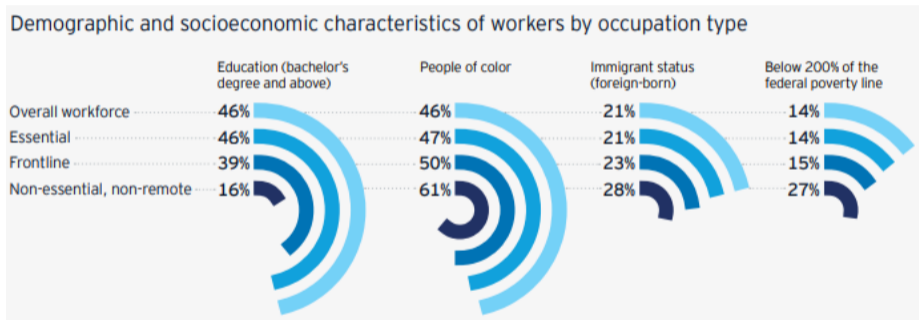
# Maddy on Kristiann's Choice: "How Is Each State Doing?"



Sources: Centers for Disease Control and Prevention, U.S. Census Bureau

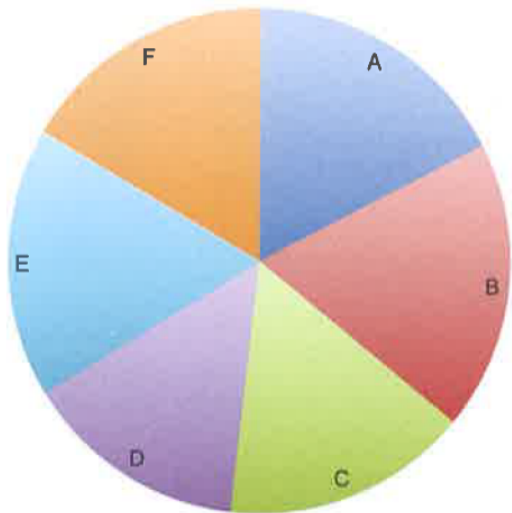
Source is *New York Times*, updated Oct. 20, 2022, [\[link\]](#).

# When You Don't Maintain Visual Correspondence to Quantity

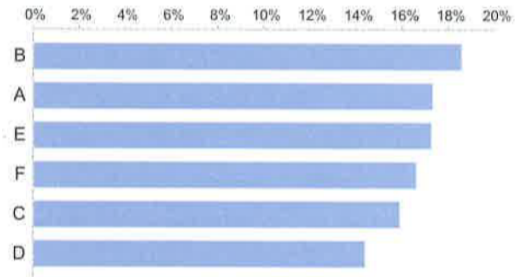
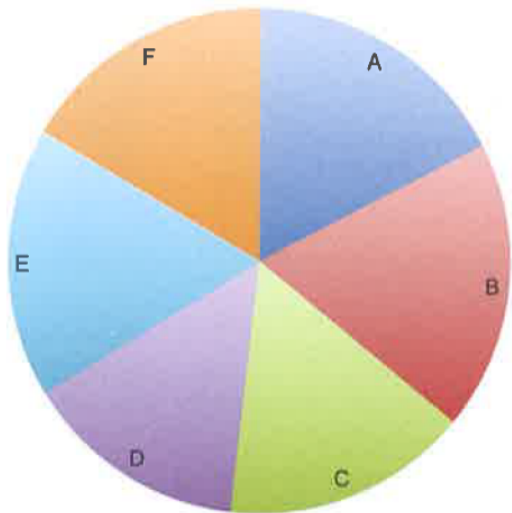


*Remote Work in the Capital Region*, 2021, Greater Washington Partnership.

## When Shape Doesn't Do What You'd Hoped

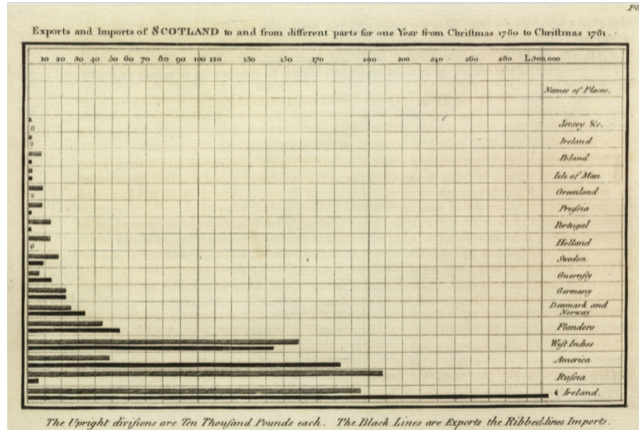


## When Shape Doesn't Do What You'd Hoped



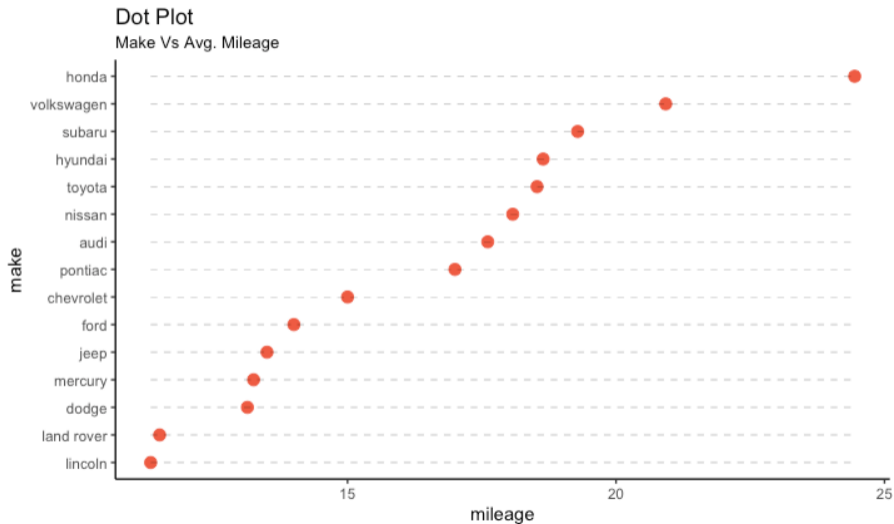
Few 6.11 and 6.12

# The First Bar Chart



Playfair, William, 1786. *The Commercial and Political Atlas*

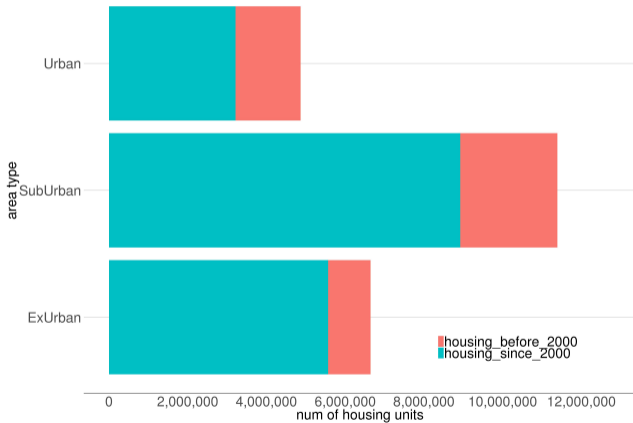
# Ranked Almost-Bars



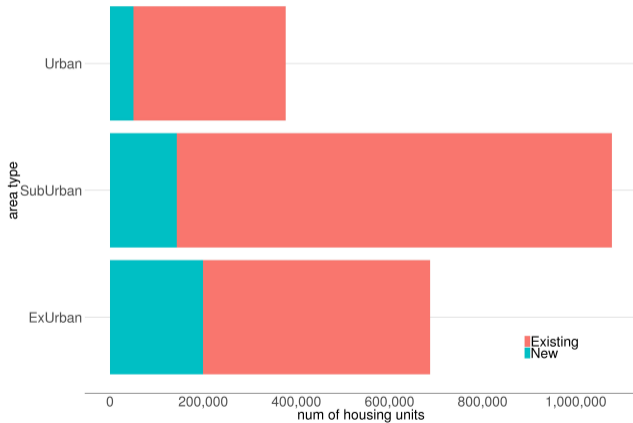
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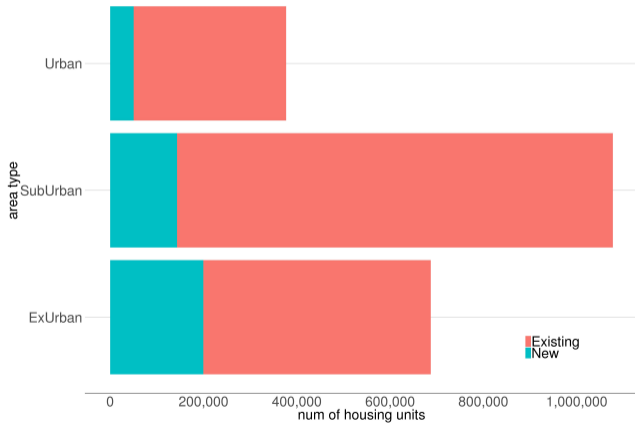
## Going From a Bad Bar Chart to a Decent One



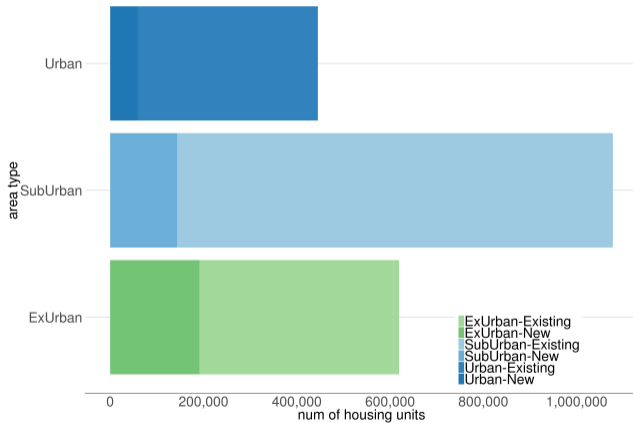
## Going From a Bad Bar Chart to a Decent One



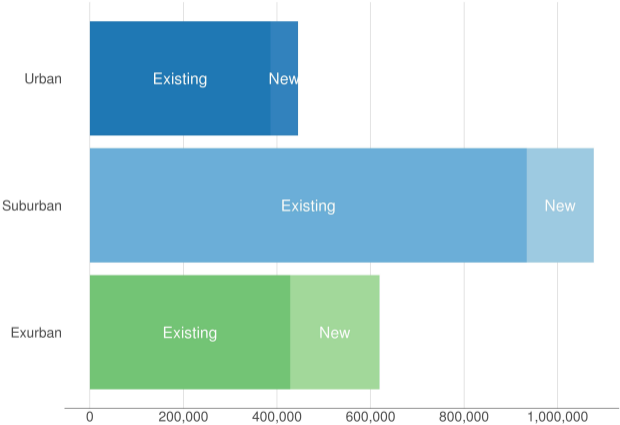
## Going From a Bad Bar Chart to a Decent One



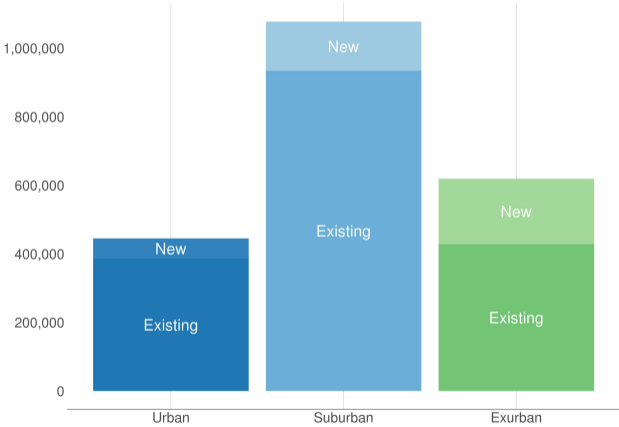
## Going From a Bad Bar Chart to a Decent One



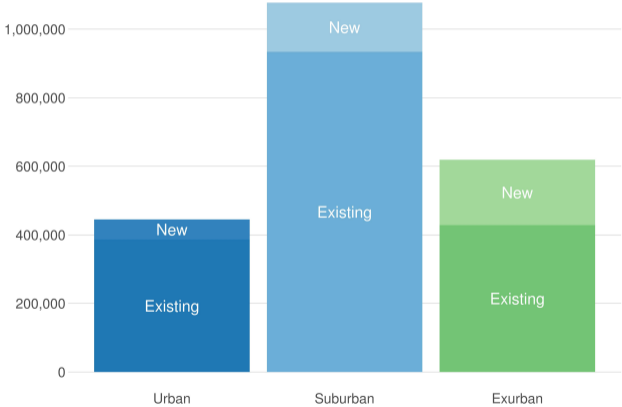
# Going From a Bad Bar Chart to a Decent One



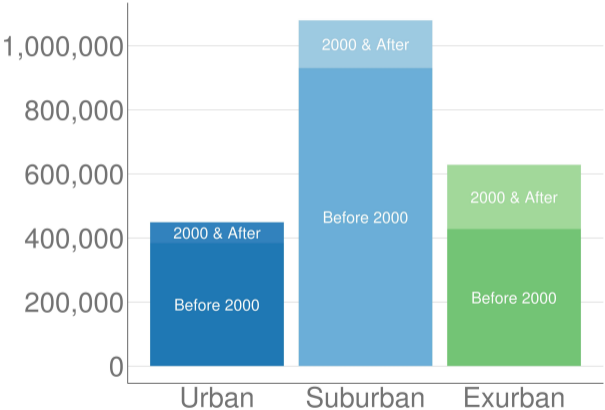
# Going From a Bad Bar Chart to a Decent One



# Going From a Bad Bar Chart to a Decent One



# Going From a Bad Bar Chart to a Decent One

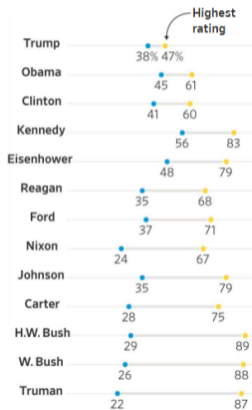




# The Power of Lollipops

## Americans Locked In

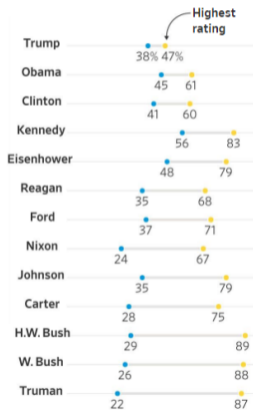
President Trump's job approval rating has held unusually steady throughout his term, moving up and down in the tightest range on record.



# The Power of Lollipops

## Americans Locked In

President Trump's job approval rating has held unusually steady throughout his term, moving up and down in the tightest range on record.



## Showing More than One Number Per Bar

