

Background The Walmart Growth Visualization

Challenge List

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Second Challenge

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Background The Walmart Growth Visualization

Walmart's growth is astounding. It may be the last giant in the "brick and mortar" business¹ story ever. Our friends at excelcharts.com have made some nice graphics showing the spatial and temporal patterns of Walmart's growth. We can't let Excel build such amazing graphics without a challenge from R! I have created a Walmart data repositoryWe have a walmart_timeloc.csv file that we can use to build our visualizations. You could use maps::us.cities (maps::us.cities) to get populations for cities.

Challenge List

- Recreate one of their graphics as close as you can using the skills you have developed this semester.
- Examine the variables and create an original graphic of your own.

Code

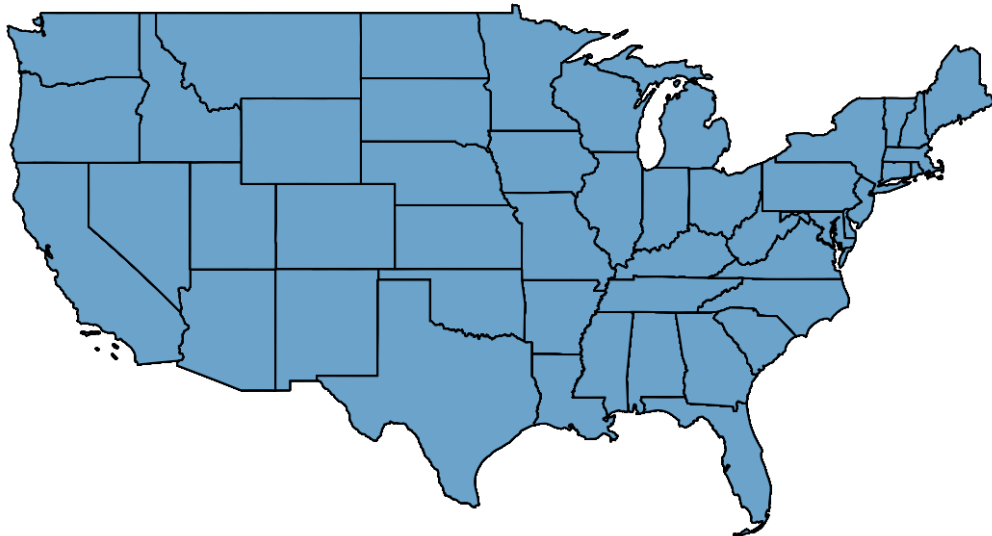
```
## City populations for contemporary data come from the  
2010 census.
```

[Code](#)[Code](#)

Recreate the graph

I tried to recreate the graph but I couldn't. It keeps showing that "Error: stat_sf requires the following missing aesthetics: geometry" But I do have geometry in my data.... Here is the code I tried to use

```
ggplot()+ geom_sf(data=uw, aes(fill= sum_store))+ facet_wrap( ~ year)+  
ggtitle("Walmart in USA")+ scale_fill_gradient(low = "blue", high = "red")+  
labs(title = "Walmart in the USA", fill="Number of Store")+ theme_bw()
```

[Code](#)[Code](#)

Warning: Removed 1 rows containing missing values (geom_path).

