

Home Garden

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Introduction

- **Motivation**
- As the coronavirus lockdown laws keep inside the boundaries of our home, there has been an explosion of interest in producing our own food. Garden retails have been recent big sellers through outdoor outlets like Home Depots, Lowes, Ace hardware. I am a home garden fan. All the vegetables on my table are grown by myself.
- I want to encourage people to grow healthy vegetable at home.





Introduction

Objectives

1. To better capture, COVID-19's effect on different retail sales include gardening retail. I use Dataset From Census.gov retail sales to show the overall impact of retail sales during Covid-19. Garden equipment retail sales are in good shape, especially compare to those with a big decrease in sales.)

2. The main objective of this project is to talk about the trend of Home gardens. I use a line chart to show the rise in Gardening Retail During COVID-19 on page two. (Dataset From Census.gov retail sales)

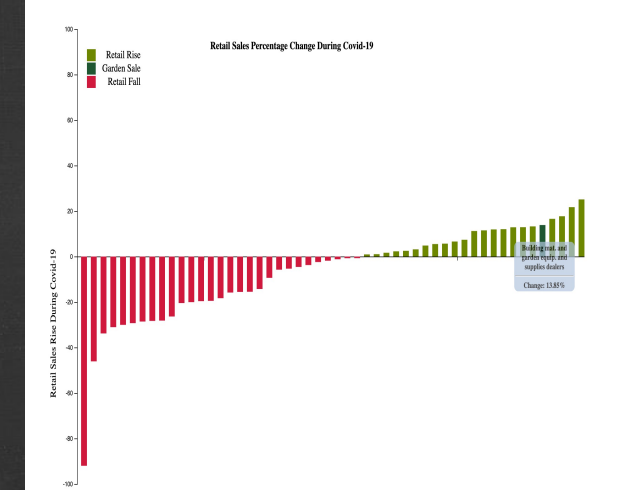
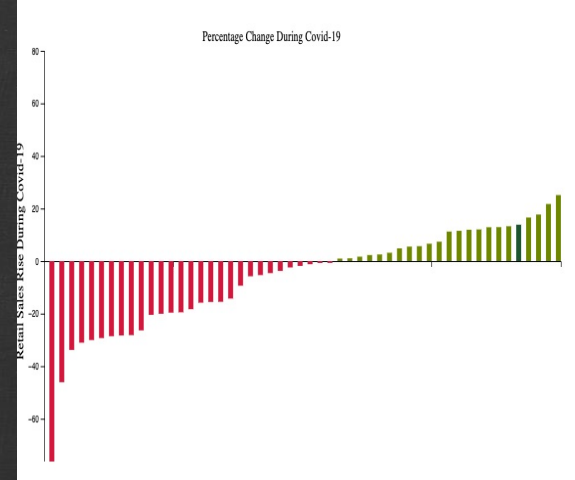
3. Show and compare the increasing of garden sales and the other increase sales month by month. (Dataset From Census.gov retail sales)

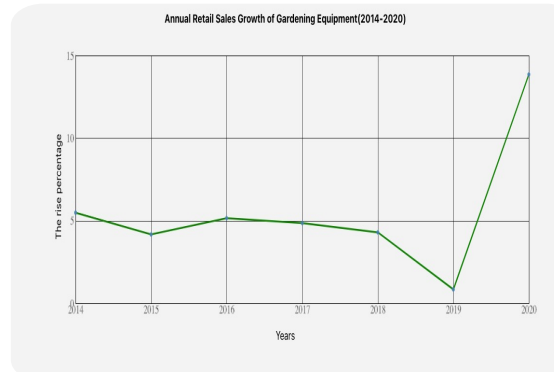
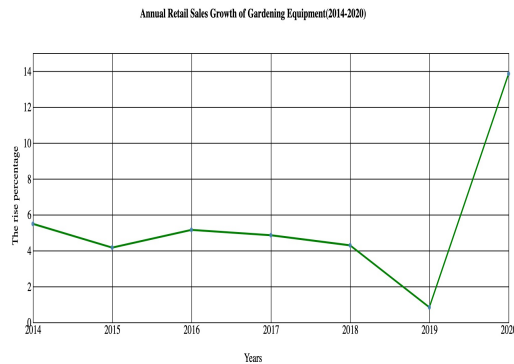
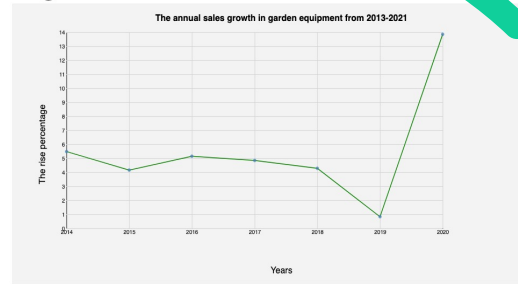
4.(Optional) I am going show the rise of the price for vegetables and fruits to encourage people to grow their own vegetable and fruit in home garden.

5.(Optional) Home garden also can help people in physical and mental wellbeing.

New Updates

- Fixed the the tooltips for the "Retail Sales Rise During Covid-19" are not showing up correctly. Add a color legend for the Retail Rise, Garden Sales and Retail Fall



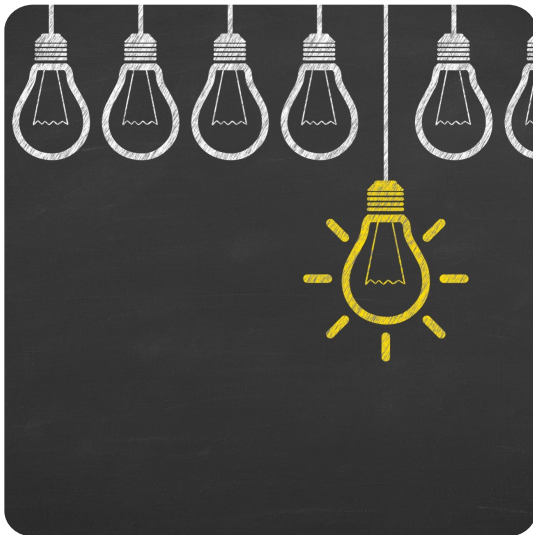


New Updates

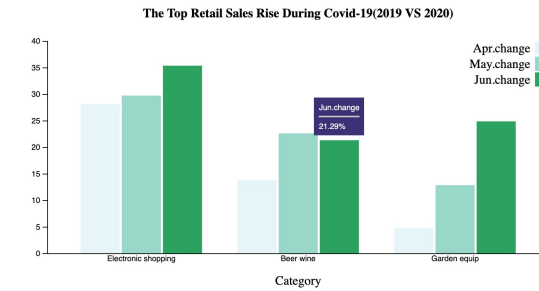
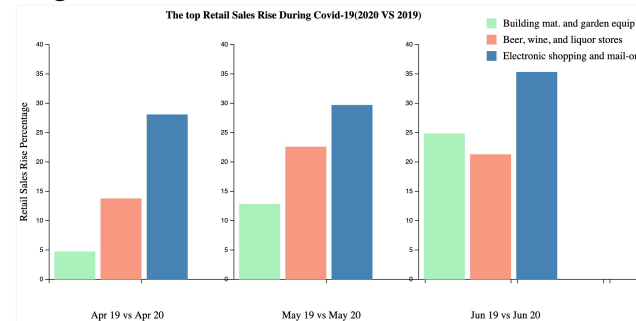
- Put all the pages in one template page
- Clean up The chart "Annual Retail Sales Growth of Gardening Equipment (2014-2020" With bigger size of labels and closer legend titles.
- Fix up a new bug during switch d3 v6 -> v4

New Updates

- Update the third page to new output and make color legends looks good.
- Group the charts by retail sales category
- Add a new tooltip for bar charts



Page3



Demon

Home garden



The background features abstract geometric shapes. A large blue semi-circle occupies the right side. A green circle is in the upper left. A green square outline is on the left. A green line forms a corner shape at the top. Several green dashed lines of varying lengths are scattered on the left side.

GitHub Link

[Home Garden](#)

Discussion

Finished all
the
required
pages.

The new updates are much cleaner than Beta release.

Merge all
the pages
in one
page

Use the same D3 library(D3 V4)
Update tooltips and legends the position
Global variable new to pay more attention.

Make
different

I will choose the same library at the beginning.
Making all the code reusable
Writing code in a good structure
Make more interactive.
Add a D3 annotation

Future Work

Add a annotation on page one

Try optional pages:

- Page 4: To show the rise of the price for vegetables and fruits to encourage people to grow their own vegetable and fruit in home garden. (Bar charts)
- Page 5: Show the relations between physical, mental wellbeing, and home garden. (line charts)
- Page 6: The plant zone map is based on the climate zones, which shows the vegetables that are recommended to be grown in different months.(Choropleth Map with tooltip and time slider)

Update a new Styles for the web Page



Thank You

