Lab 1

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6 October 2020

Exercise 1

Read in `avocadoes.csv` and save into data fram.

Exercise 2

Change column names to small, large, and extra large.

Excercise 3

The data is tidy because each variable is a column and each observation is a row.

Exercise 4

Create a function to read in the avocado data, renames columns, writes the transformed, and returns transformed data

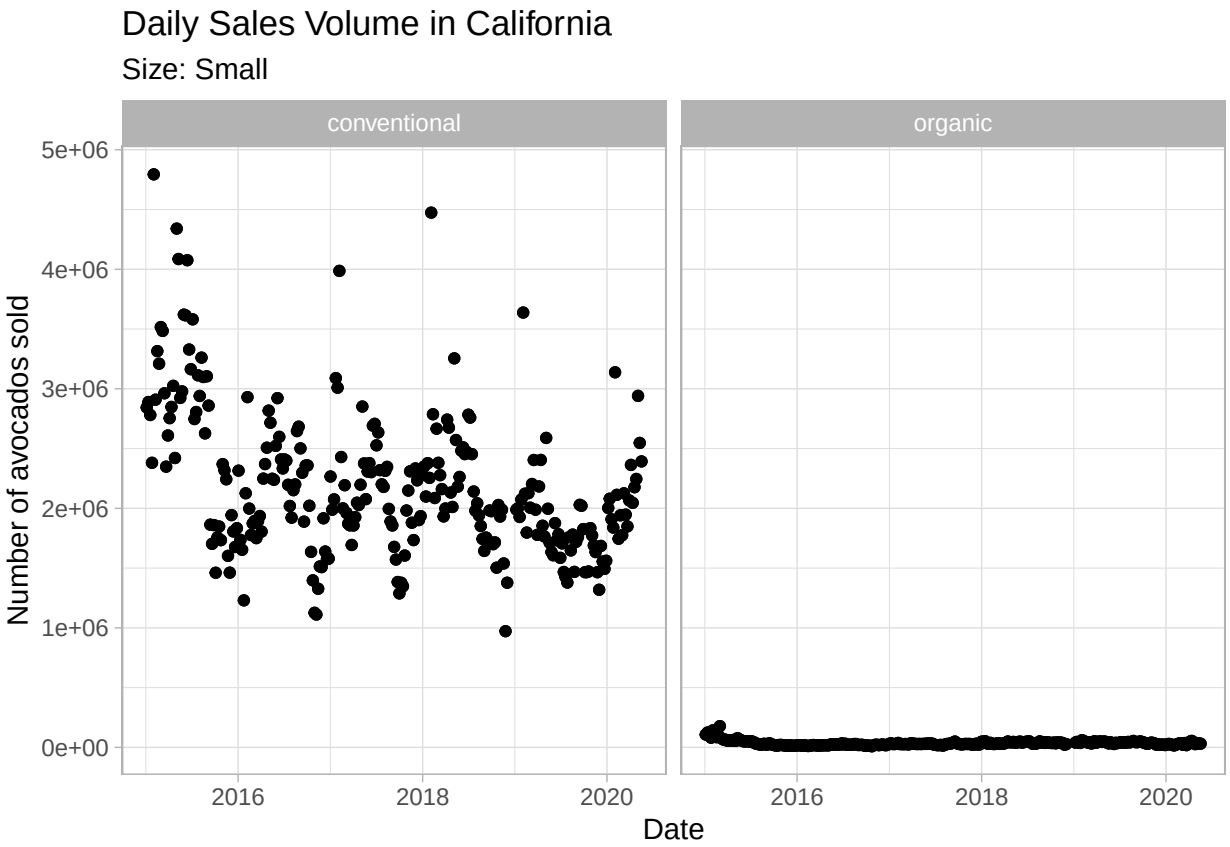
Exercise 5

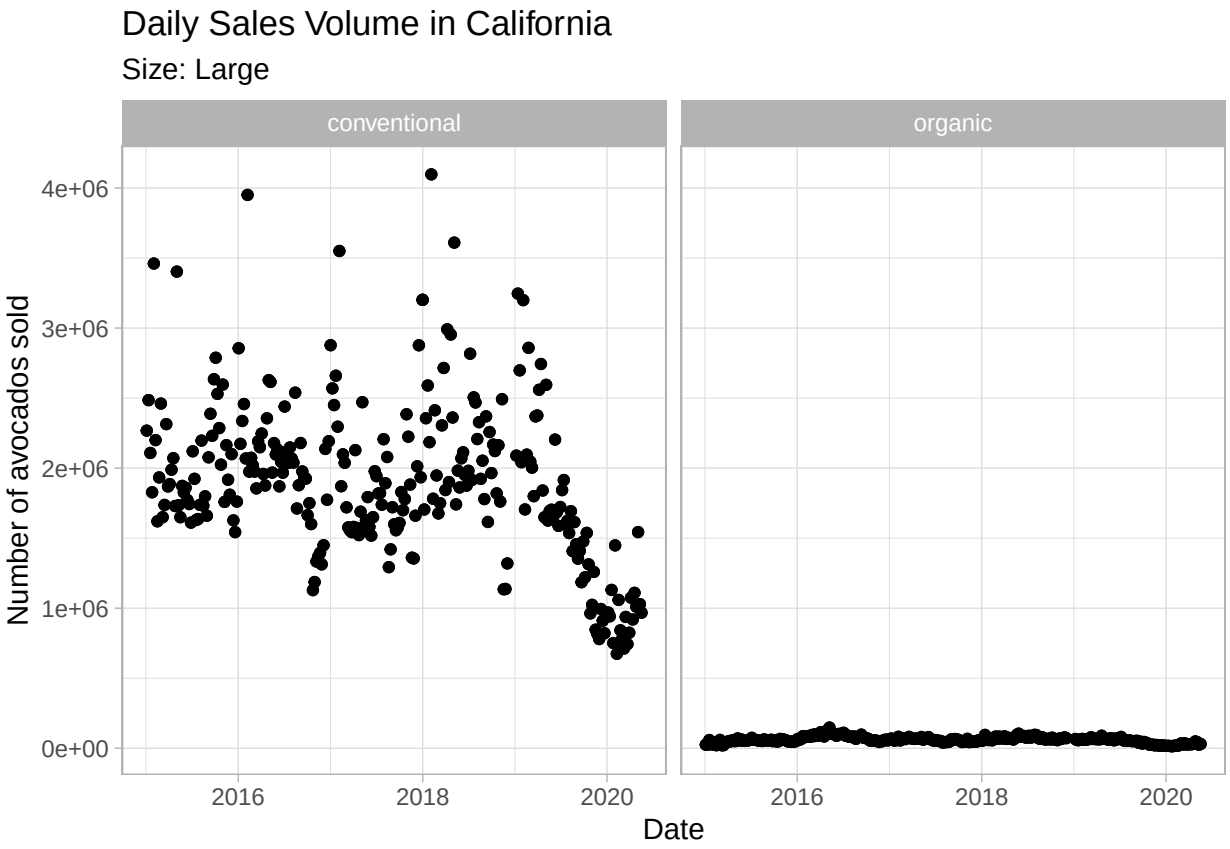
Create table with top 5 geographies with highest total yearly sales of large avocados in 2019

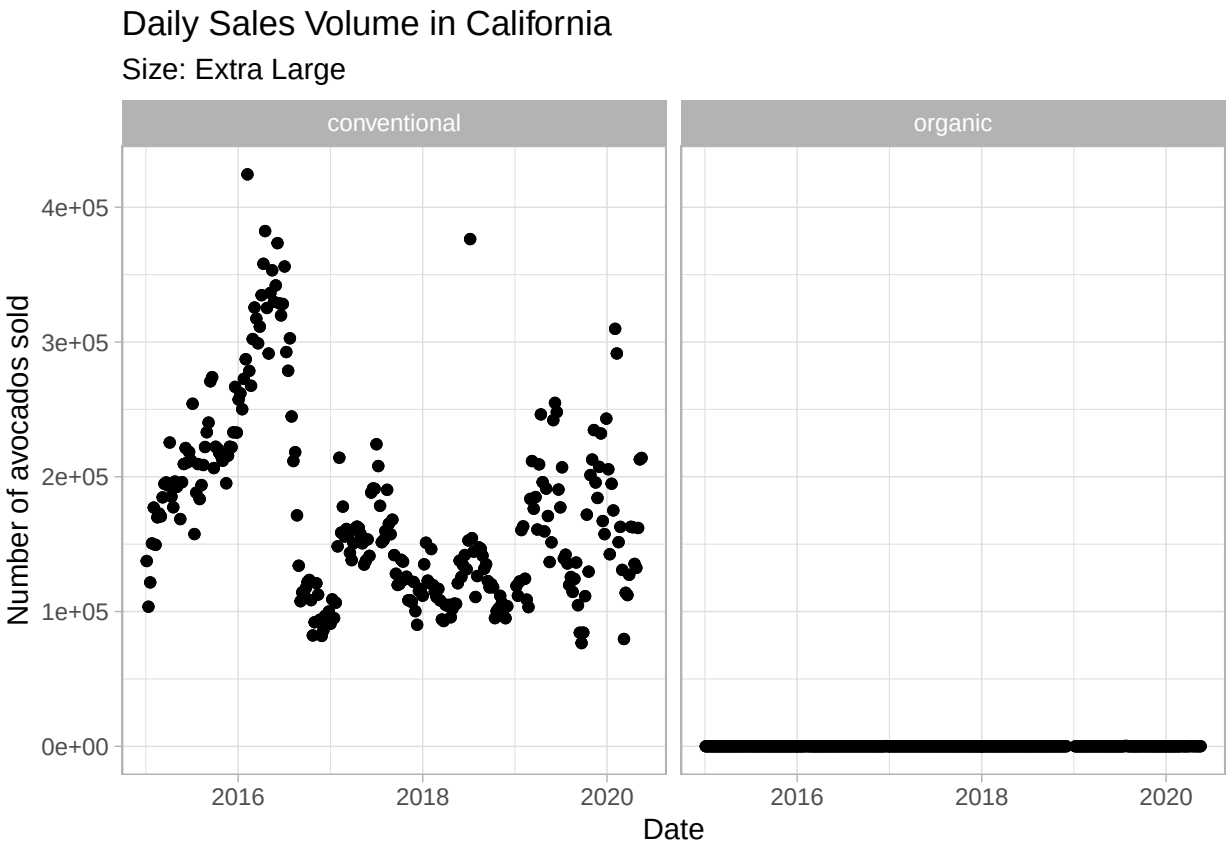
Total Yearly Sales	Location
5667230	Northeast
4910948	Northeast
4415077	Northeast
4407856	Northeast
4317510	Northeast

Exercise 6

Create a plot showing daily sales volume in California for different avocado types and sizes.


Daily Sales Volume in California
Size: Small
conventional
organic
5e+06
4e+06
3e+06
2e+06
1e+06
0e+00
Number of avocados sold
2016
2018
2020
2016
2018
2020
Date

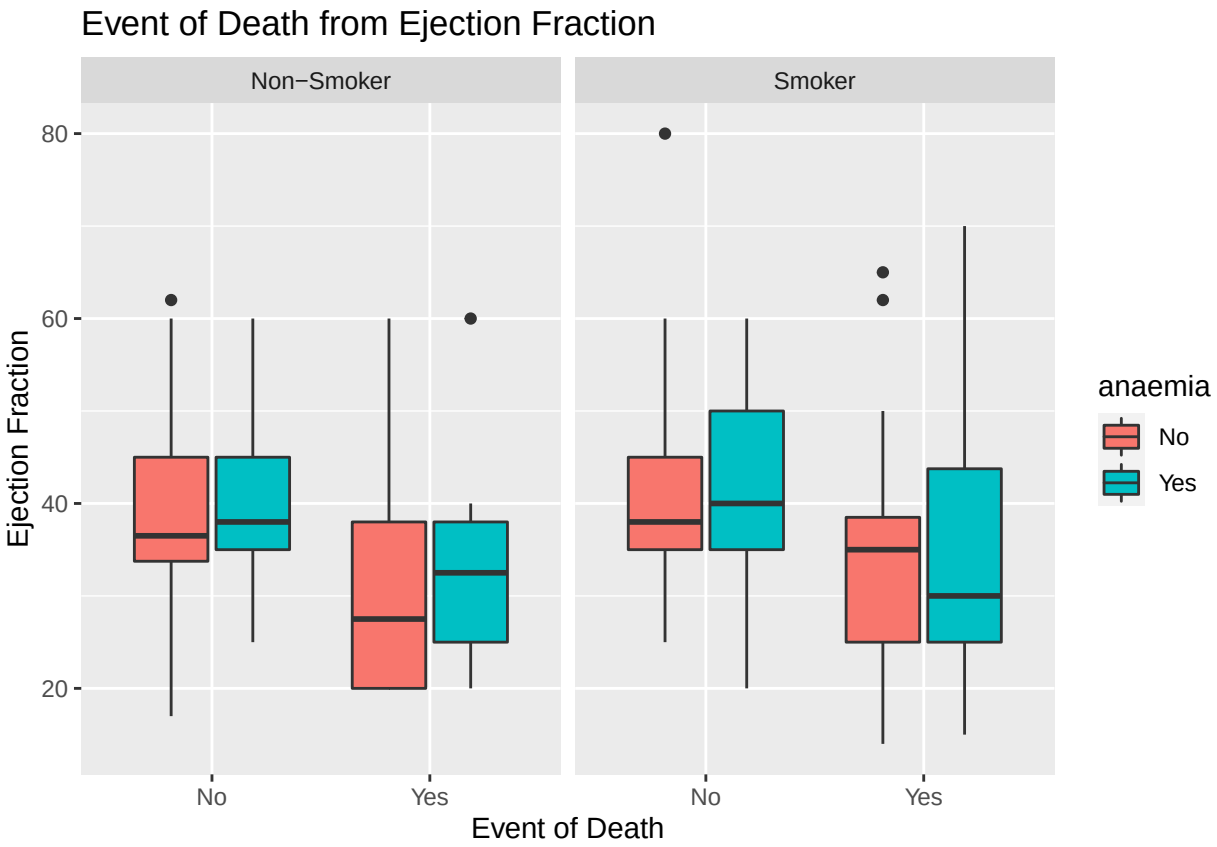

Daily Sales Volume in California
Size: Large
conventional
organic
Number of avocados sold
4e+06
3e+06
2e+06
1e+06
0e+00
2016
2018
2020
Date



Exercise 7

Load `heart.txt`

Exercise 8


Event of Death from Ejection Fraction
Non−Smoker
Smoker
80
60
40
20
Ejection Fraction
No
Yes
No
Yes
Event of Death
anaemia
No
Yes