

BST 219

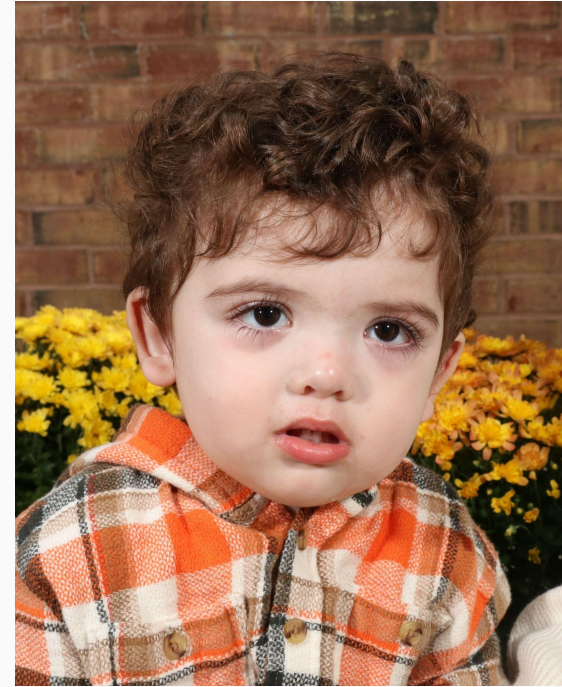
Core Principles of Data Science

Lecture 11: Introduction to Data Visualization
October 8, 2024



Recipe of the Day!

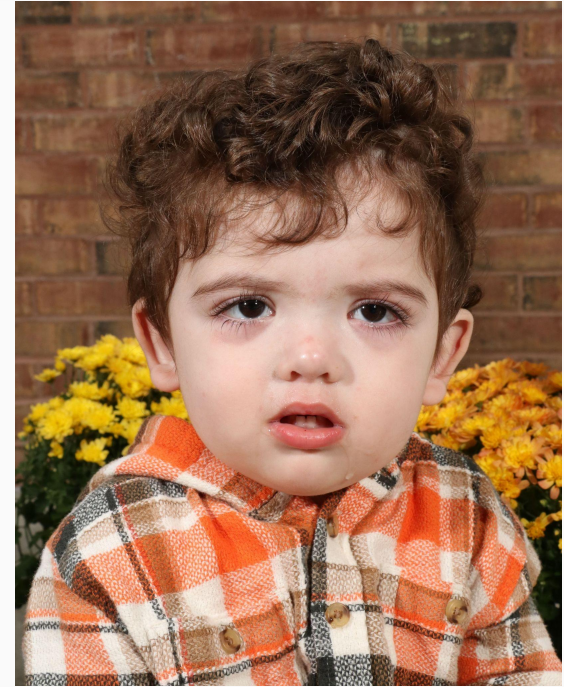
Epic Charcuterie Board



Emre had picture day at daycare ...

Recipe of the Day!

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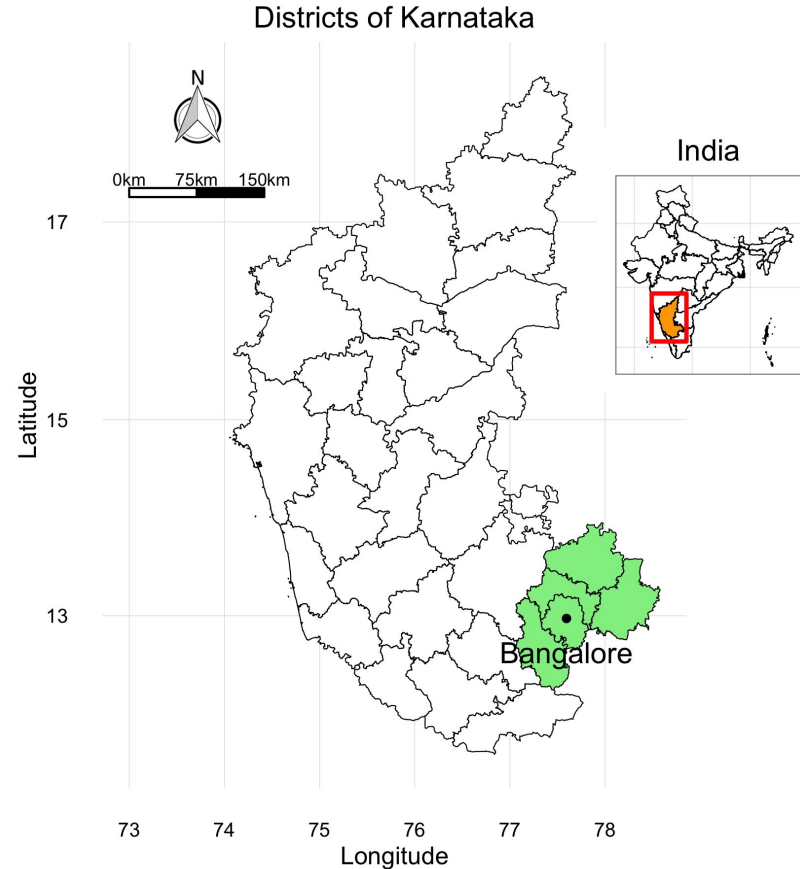
Recipe of the Day!

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Agenda

- Announcements
 - Lab this week!
 - Email me if you have any issues with your homework grade - please don't email the TFs
 - Homework 2 repos have been created
- Continue the visualization module!



Coding Question of the Day!

The `dslabs` package contains the `us_contagious_disease` dataset. This dataset includes weekly reported counts data (cases) for seven diseases from 1928 to 2011 for all 50 US states.

Use this dataset and `dplyr` tools to create an object called `data` that stores only the Measles data, includes a per 100,000 people rate, and removes Alaska and Hawaii since they only became states in the late 1950s. Note there is a `weeks_reporting` column - take this into account when calculating the rate. There are 52 weeks in a year.

Make sure to run
this code first

```
library(dslabs)
library(dplyr)
data("us_contagious_diseases")
```