

Lesson 4: Dive into Tidy: Data Wrangling and Manipulation Part 2

- Homework

Instructor: Caitlin Allen Akselrud (caitlin.allen_akselrud@noaa.gov)

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Questions:

First, load your libraries!

```
library(tidyverse)
library(lubridate)
library(tidyuesdayR)
```

Use `tree_dat` for the following questions:

```
trees <- tidyuesdayR::tt_load('2020-01-28')
```

```
##
## Downloading file 1 of 2: 'sf_trees.csv'
## Downloading file 2 of 2: 'Street_Tree_Map.csv'

## Warning: 952155 parsing failures.
##   row      col      expected      actual      file
## 2670 XCoord  1/0/T/F/TRUE/FALSE 6005345.6576 <raw vector>
## 2670 YCoord  1/0/T/F/TRUE/FALSE 2111619.4154 <raw vector>
## 2670 Latitude 1/0/T/F/TRUE/FALSE 37.7784066780298 <raw vector>
## 2670 Longitude 1/0/T/F/TRUE/FALSE -122.425067563729 <raw vector>
## 2670 Location 1/0/T/F/TRUE/FALSE (37.7784066780298, -122.425067563729) <raw vector>
## ....
## See problems(...) for more details.
```

```
trees
tree_dat <- trees$sf_trees
```

- 1 Are there any duplicate `tree_id` rows?
- 2 How many trees of each species are there?
- 3 How old is the oldest tree in the data set, in years?
- 4 How many trees are planted by year?
- 5 How many are planted by decade?

The below function might be helpful to you for determining the decade. In this case you'll use it in the `dplyr::mutate()` function.

- 6 Or...