Free Food For All

```
library(tidyverse)
```

```
## ── Attaching packages ─────────────────────────────────────── tidyverse 1.3.2 ──
## ✔ ggplot2 3.4.0     ✔ purrr   1.0.0
## ✔ tibble  3.1.8     ✔ dplyr   1.0.10
## ✔ tidyr   1.2.1     ✔ stringr 1.5.0
## ✔ readr   2.1.3     ✔ forcats 0.5.2
## ── Conflicts ────────────────────────────────────────── tidyverse_conflicts() ──
## ✖ dplyr::filter() masks stats::filter()
## ✖ dplyr::lag()    masks stats::lag()
```

```
library(nocvis) # election data set in this package
library(maps)
```

```
##
## Attaching package: 'maps'
##
## The following object is masked from 'package:purrr':
##
##     map
```

```
library(mapproj)
library(ggthemes)
library(RColorBrewer)


## Food For All: My Visualizations

# import in my data
library(readxl)
lbs_destination <- read_excel("lbs_destination.xlsx")
```

```
## New names:
## • `` -> `...4`
## • `` -> `...6`
```

```
lbs_destination
```

Date <dttm>	Pounds <dbl>	Destination <chr>	...4 <lgl>	Total LBS Per Site <chr>	...6 <chr>
2022-01-01	800	Yesler Saturday Market	NA	Site	Lbs
2022-01-01	300	South Park Pantry	NA	Yesler Saturday Market	94405
2022-01-03	50	Other	NA	South Park Pantry	17117
2022-01-05	75	Other	NA	Other	252279
2022-01-06	400	Other	NA	Kerner Scott	90
2022-01-06	125	Other	NA	Cascade Free Market	11758
2022-01-06	30	Kerner Scott	NA	Daniel Deliveries	1913
2022-01-07	75	Other	NA	Aurora House	30
2022-01-08	1155	Other	NA	Shoreline	30
2022-01-08	1730	Other	NA	Sodo Free Market	12105

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```
#Biggest Distributions

bigs <- subset(lbs_destination, Destination %in% c("__saturday_free_market", "__south_park_pantry", "__sodo_free_market", "__family_works", "__yesler_really_free_market", "__cascade_free_market"))

p <- ggplot((data = bigs), # biggest
            mapping = aes(x = Pounds, y = Destination, fill = Destination))

p + geom_col() +
    theme_minimal() +
    guides(fill = FALSE) +
    labs(title = "Pounds of Food Distributed at Larger Sites",
         x = "Pounds Distributed",
         y = "",
         caption = "252,279 pounds distributed at other sites (not including smaller sites)") # +
```

```
## Warning: The `<scale>` argument of `guides()` cannot be `FALSE`. Use "none" instead as
## of ggplot2 3.3.4.
```



```
    # scale_fill_manual(values = c("__saturday_free_market", "__south_park_pantry", "__sodo_free_market", "__family_works", "__yesler_really_free_market", "__cascade_free_market"),
    #                   labels=c("Yesler Saturday Free Market", "South Park Pantry", "Sodo Free Market", "Family Works", "Yesler Saturday Free Market", "Cascade Free Market"))




# Smaller Sites

smalls <- subset(lbs_destination, Destination %in% c("__saturday_free_market", "__south_park_pantry", "__sodo_free_market", "__family_works", "__yesler_really_free_market", "__cascade_free_market", "__other"))


p2 <- ggplot((data = smalls), # smaller sites
             mapping = aes(x = Pounds, y = Destination, fill = Destination))

p2 + geom_col() +
    theme_minimal() +
    guides(fill = "none") +
    labs(title = "Pounds of Food Distributed at Smaller Sites",
         x = "Pounds Distributed",
         y = "") #+
```



```
    #scale_x_discrete(labels=c("__volunteer_box"="Volusteer Box"))
```

Improved Displays

```
library(readxl)
lbs_destination <- read_excel("lbs_destination.xlsx")
```

```
## New names:
## • `` -> `...4`
## • `` -> `...6`
```

```
lbs_destination
```

Date <dttm>	Pounds <dbl>	Destination <chr>	...4 <lgl>	Total LBS Per Site <chr>	...6 <chr>
2022-01-01	800	Yesler Saturday Market	NA	Site	Lbs
2022-01-01	300	South Park Pantry	NA	Yesler Saturday Market	94405
2022-01-03	50	Other	NA	South Park Pantry	17117
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2022-01-06	400	Other	NA	Kerner Scott	90
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2022-01-08	1155	Other	NA	Shoreline	30
2022-01-08	1730	Other	NA	Sodo Free Market	12105

1-10 of 573 rows Previous 1 2 3 4 5 6 … 58 Next

```
big2 <- subset(lbs_destination, Destination %in% c("Yesler Saturday Market", "South Park Pantry", "Sodo Free Market", "Family Works", "Cascade Free Market"))

p <- ggplot((data = big2), # biggest
            mapping = aes(x = Pounds, y = Destination, fill = Destination))

p + geom_col() +
    theme_minimal() +
    scale_fill_brewer(palette = "Paired", direction = -1) +
    guides(fill = FALSE) +
    labs(title = "Pounds of Food Distributed at Larger Sites",
         x = "Pounds Distributed",
         y = "",
         caption = "252,279 pounds distributed at other sites (not including smaller sites)")
```



```
######## smaller sites ########


small2 <- subset(lbs_destination, Destination %in% c("Yesler Saturday Market", "South Park Pantry", "Sodo Free Market", "Family Works", "Cascade Free Market", "Other"))

p2 <- ggplot((data = small2), # smaller sites
             mapping = aes(x = Pounds, y = reorder(Destination, Pounds), fill = Destination))

p2 + geom_col() +
    theme_minimal() +
    guides(fill = "none") +
    labs(title = "Pounds of Food Distributed at Smaller Sites",
         x = "Pounds Distributed",
         y = "")
```