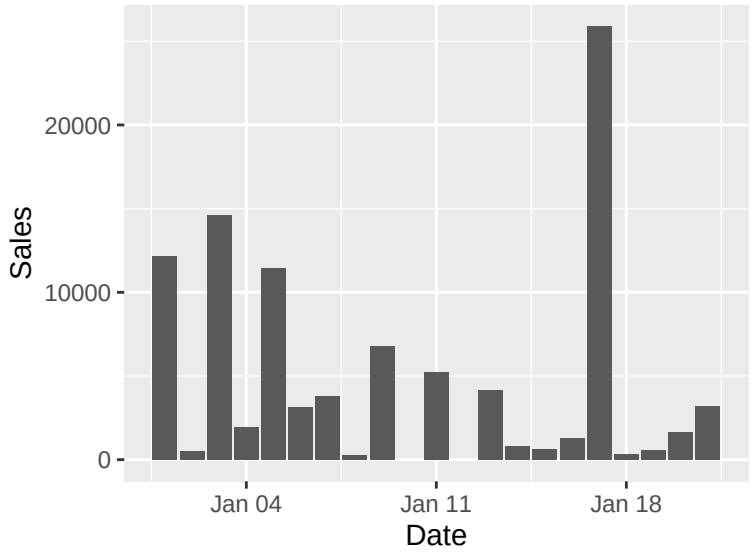
Class_2_Homework

Data Prep and Visualization

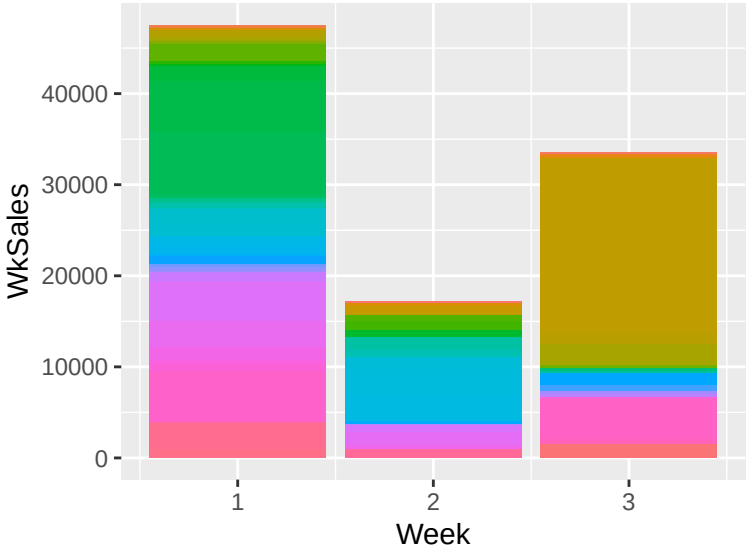
Load the following Libraries and read in ProductInvoices.csv

```
library(tidyverse)
library(stringr)
library(lubridate)

setwd("/home/ellen/Documents/Spring2020/DA1/Section I/class 2/Class 2 Data Files/")

dfProductInvoices = read_csv("ProductInvoices.csv")
```

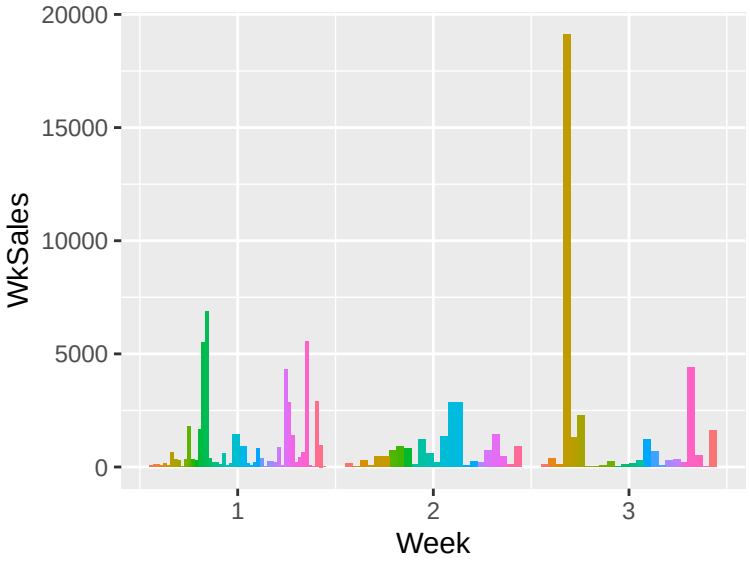
Create a bar plot to visualize sales by date, similar to the following:



Group by week and summarize sales. Then plot showing products in colors *(you can use show.legend = FALSE in the geom_bar function to save a huge display of products)*:

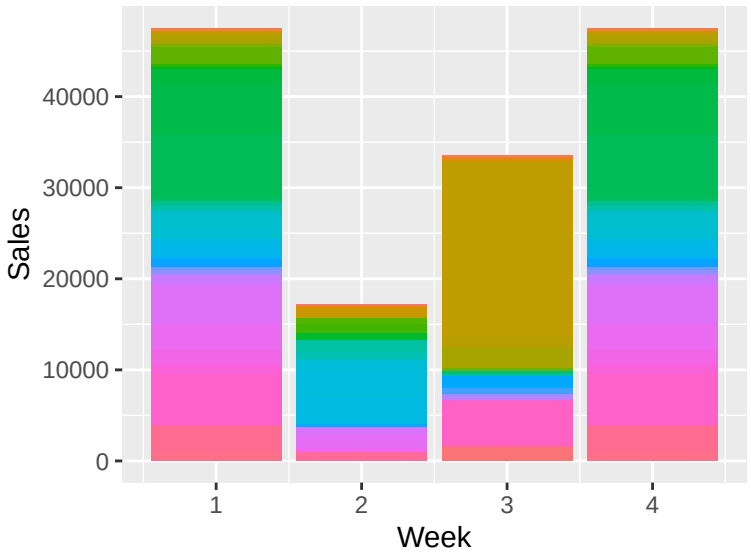


Rather than stacking products, show product sales separately *(position = "dodge")*



Forecast

Now, add a week 4 to the data, with the same sales as week 1. And show that in a stacked bar:


40000
30000
20000
10000
0
Sales
1
2
3
4
Week