ABM_Vis_KPIs_v1

Fi Crawford

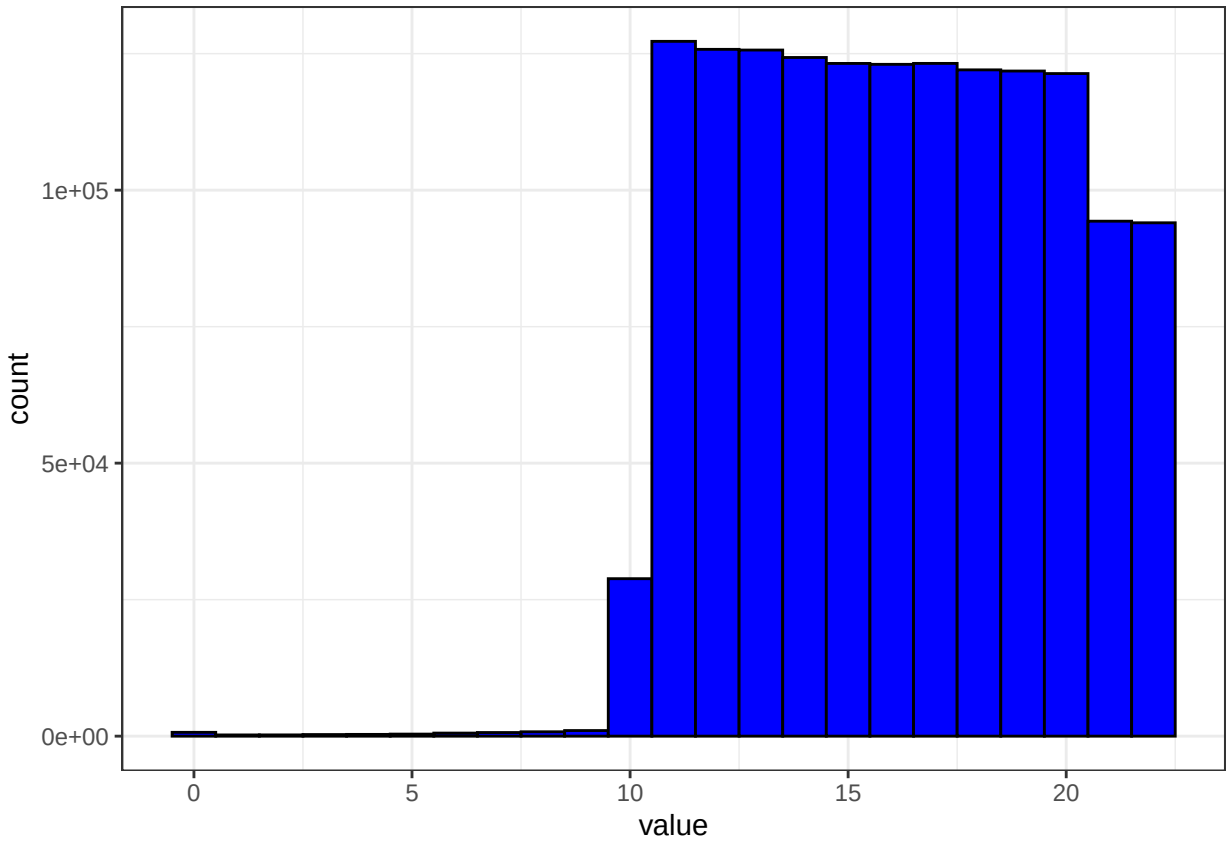
2022

Simulation summary:

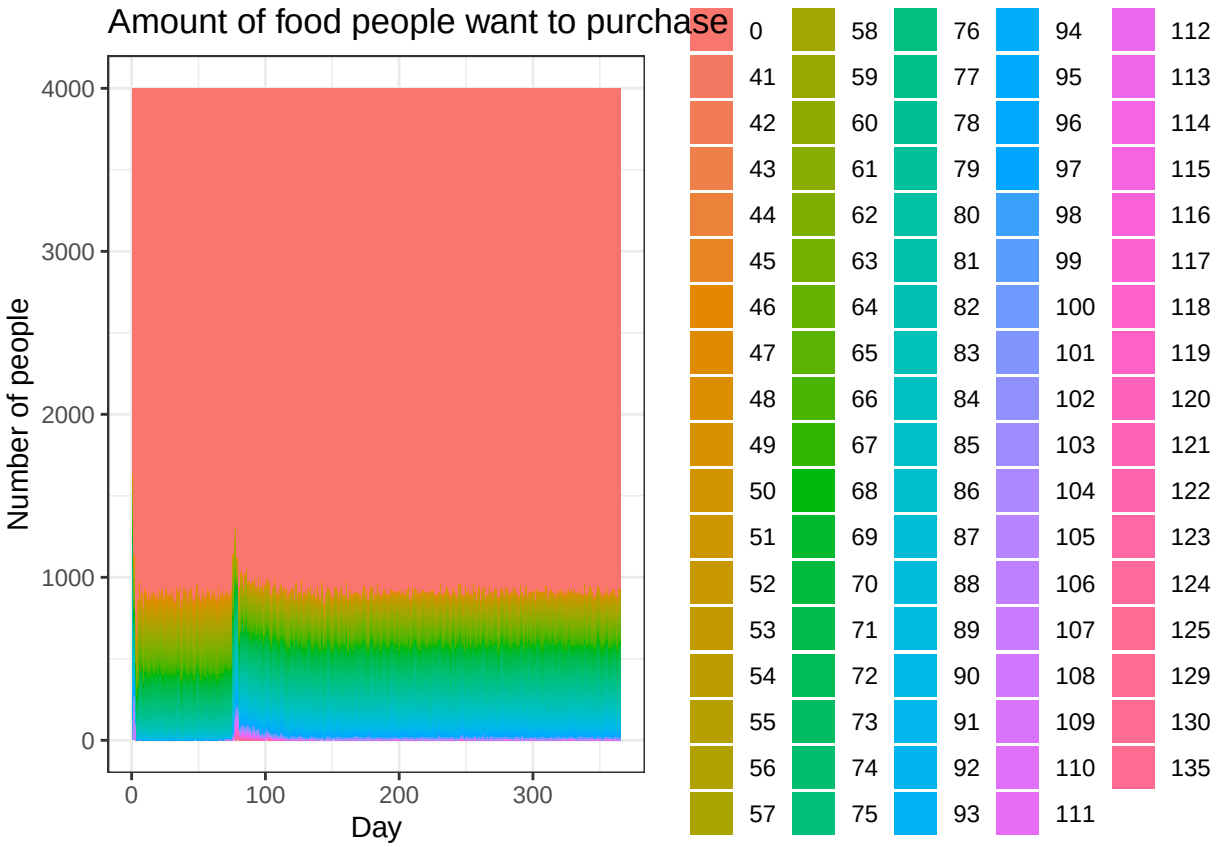
```
##                                                45
## name                                           "Final5_testtest"
## num_locs                                       "4"
## num_days                                       "365"
## seed                                           "6482"
## num_agents                                     "4000"
## supermarket_stock                              "65000"
## supermarket_capacity                           "1800"
## online_stock                                   "100000"
## online_capacity                                "400"
## Disruption...demand.multiplier                 "1.1"
## Disruption.....workers.still.going.out.to.work "0.5"
## Disruption...in.store.cap.decrease             "0.8"
```

Checks

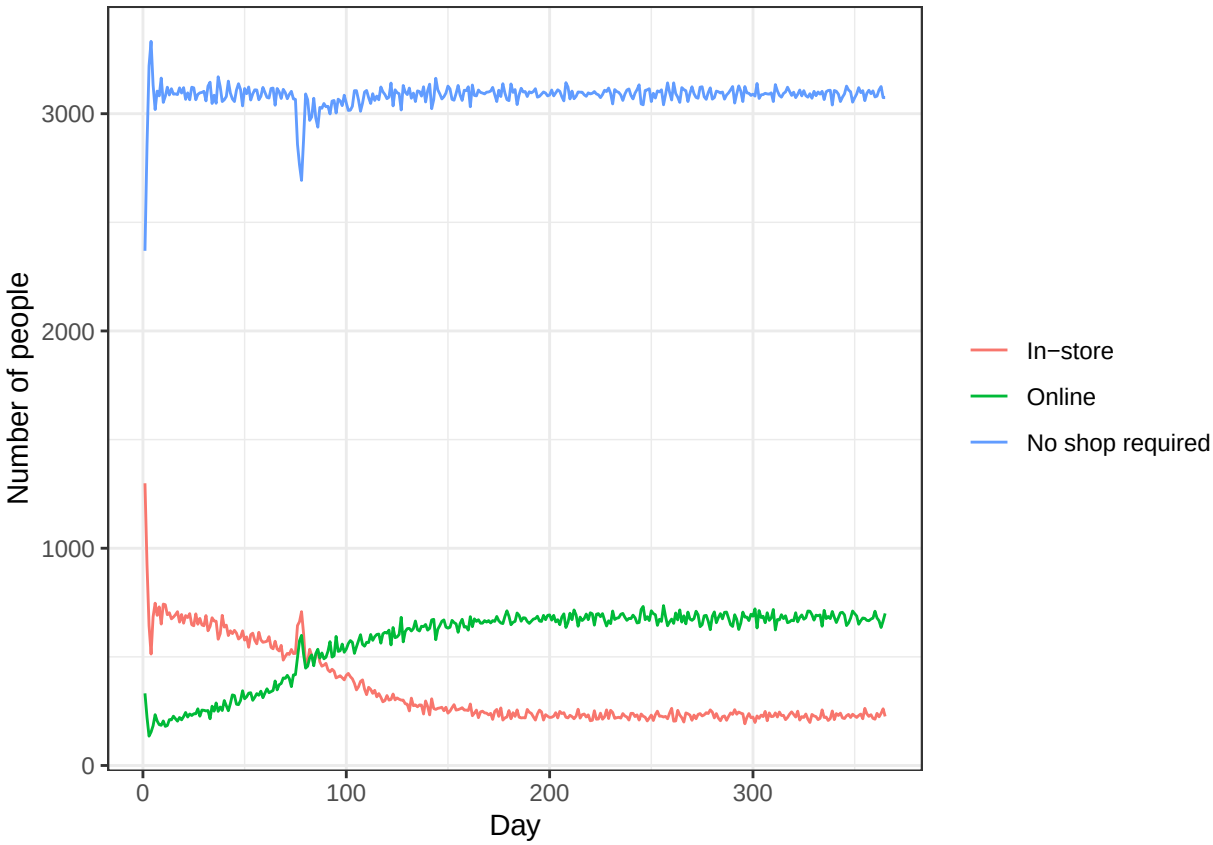
Firstly check the 'eat' data.



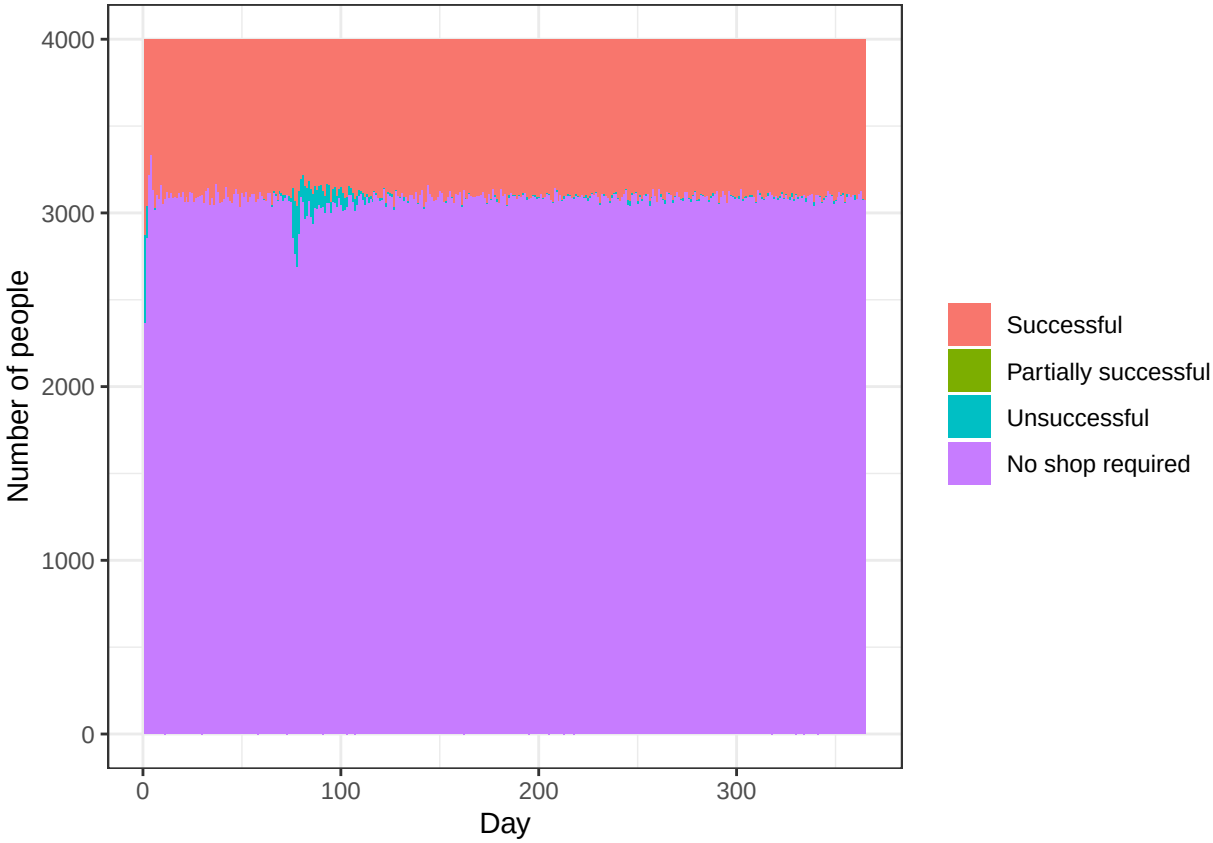
Check how much people need/want to buy: (Black line is people who did not need to shop on that day)

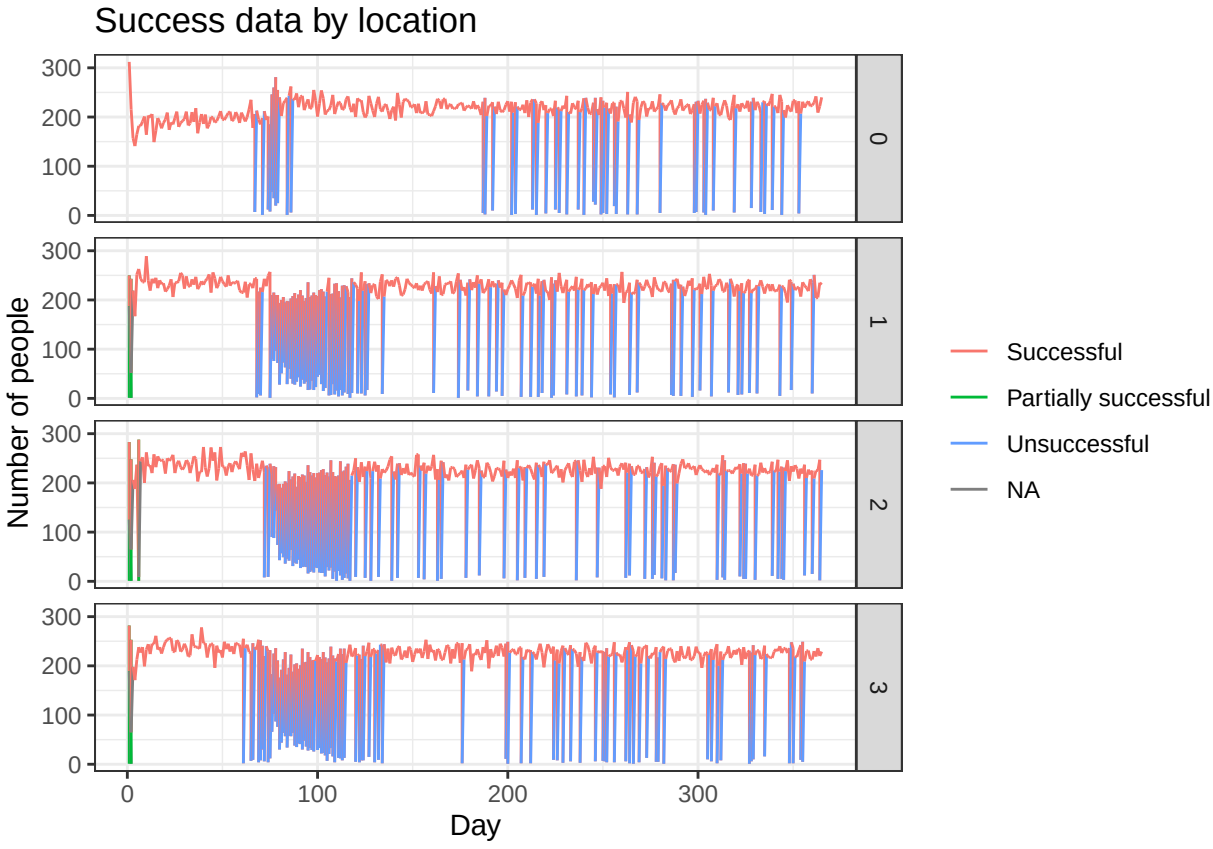


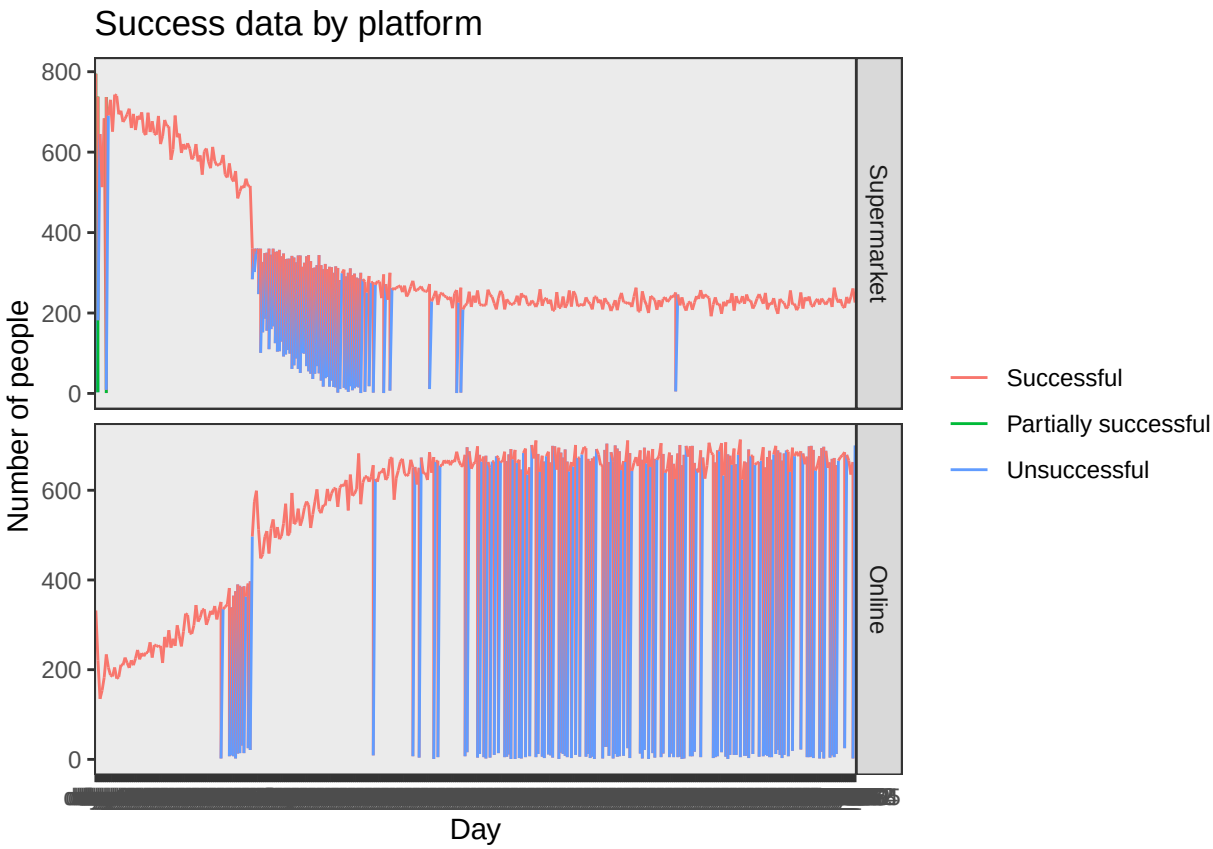
Check whether they want to shop online or in store:


Number of people
3000
2000
1000
0
0
100
200
300
Day
In−store
Online
No shop required

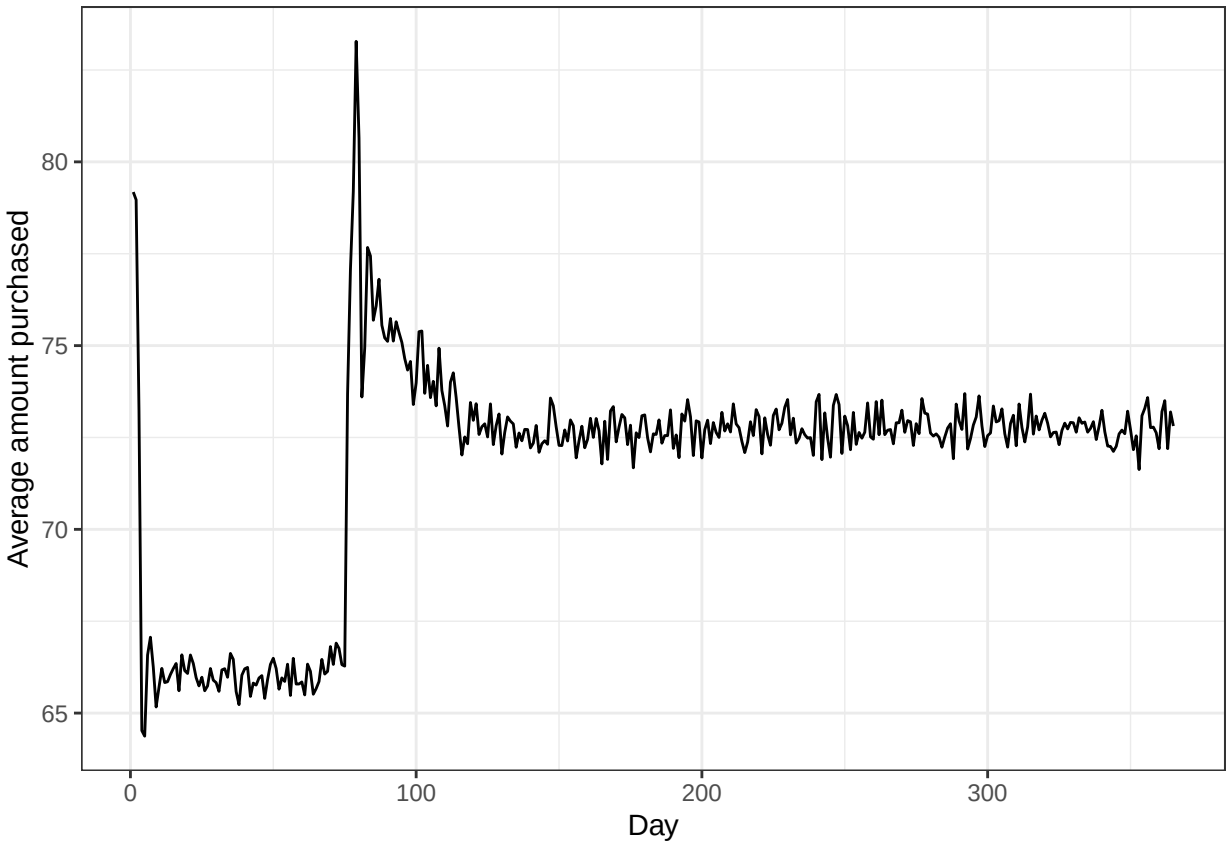
Was the shop successful?

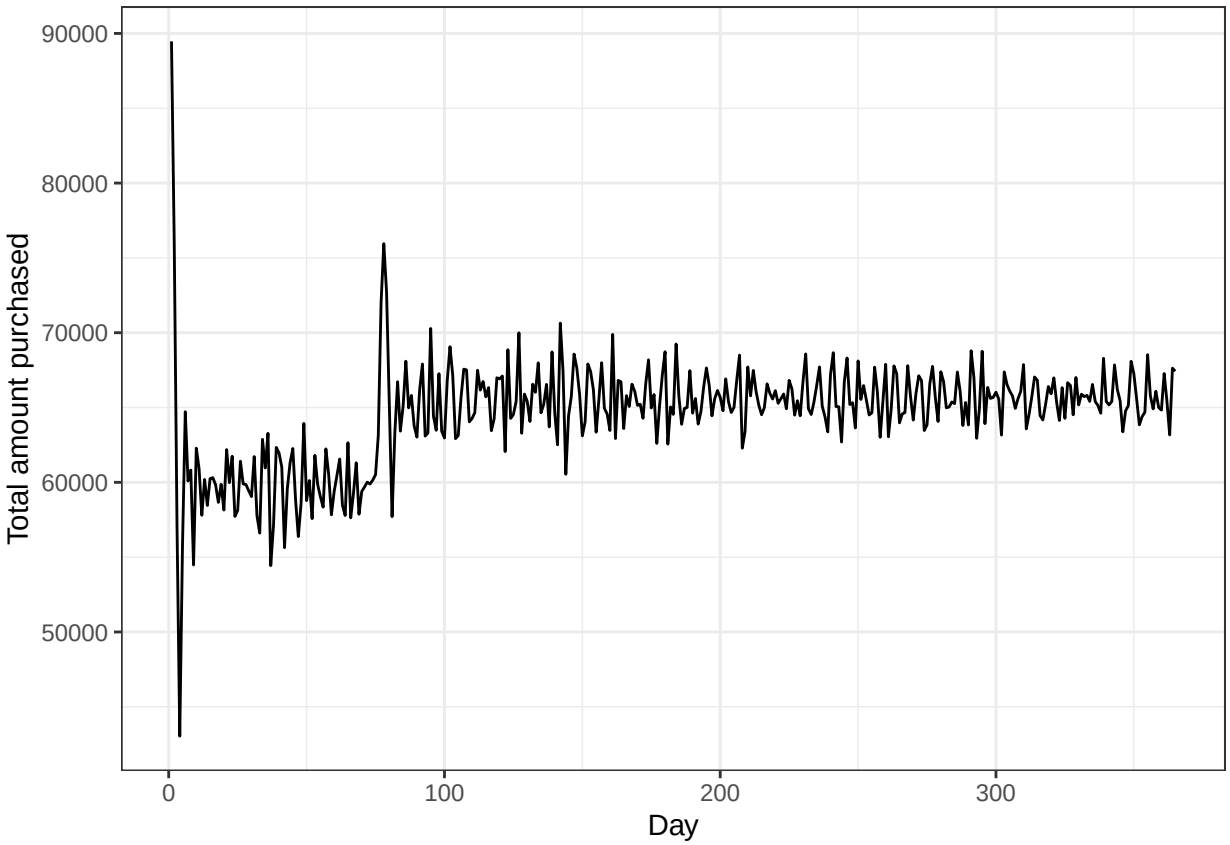


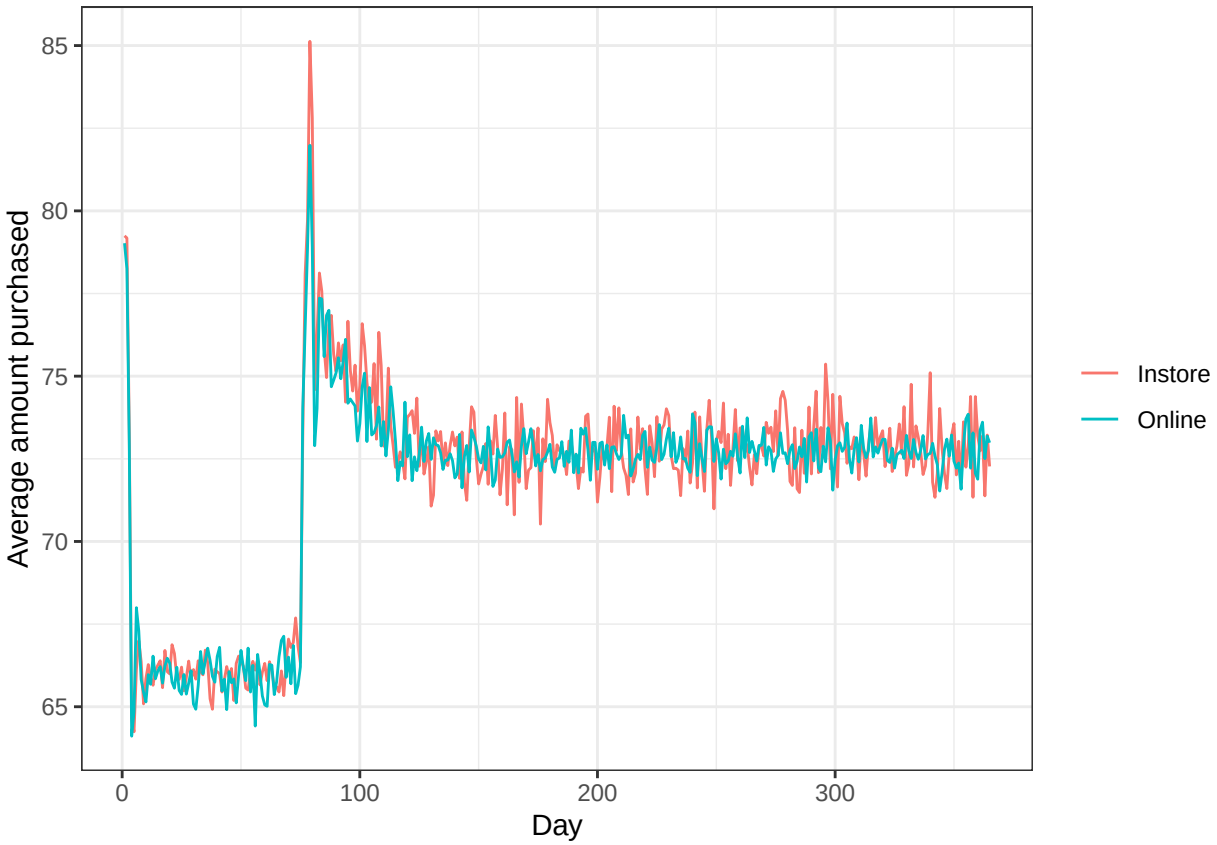


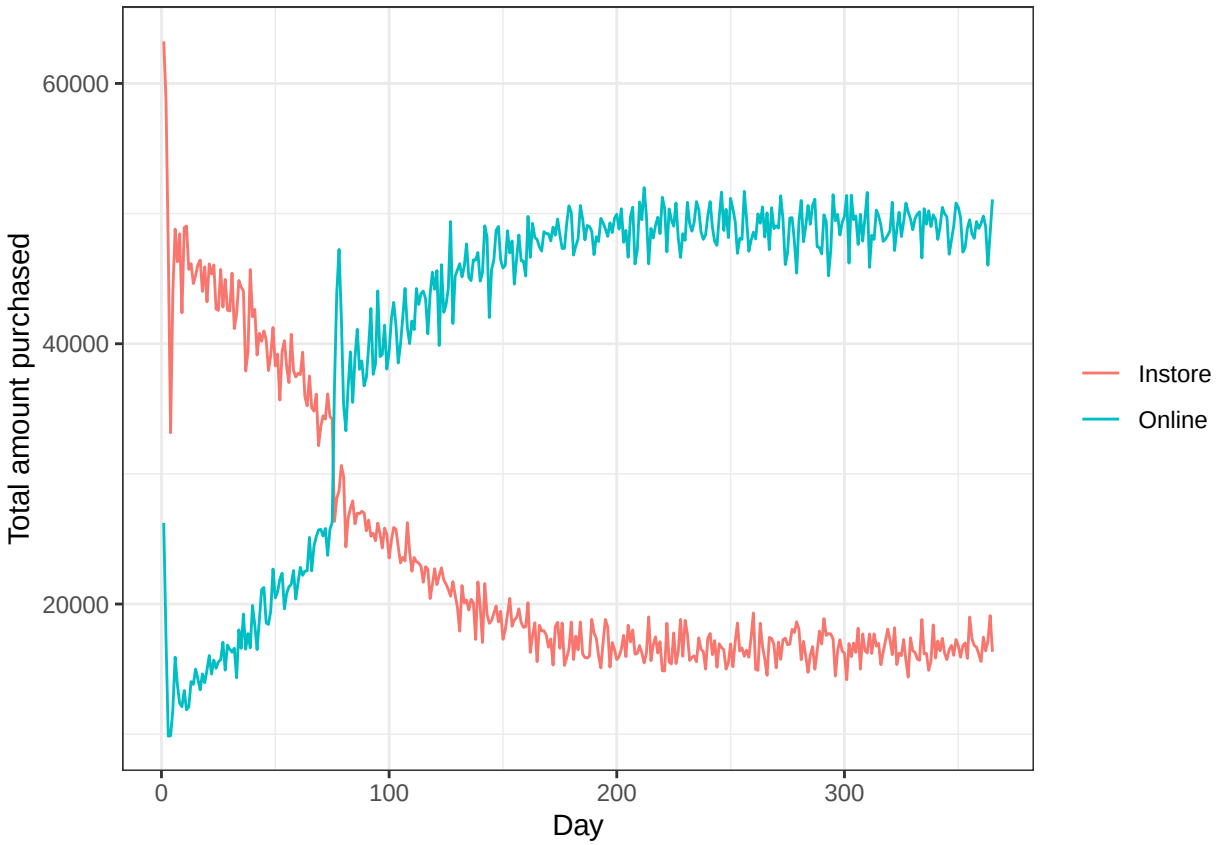


Then purchases per day by shop type (i.e. online or supermarket).


Average amount purchased
80
75
70
65
0
100
200
300
Day


90000
80000
70000
60000
50000
Total amount purchased
0
100
200
300
Day


Average amount purchased
85
80
75
70
65
0
100
200
300
Day
Instore
Online


60000
40000
20000
Total amount purchased
0
100
200
300
Day
Instore
Online

How are cupboards looking?