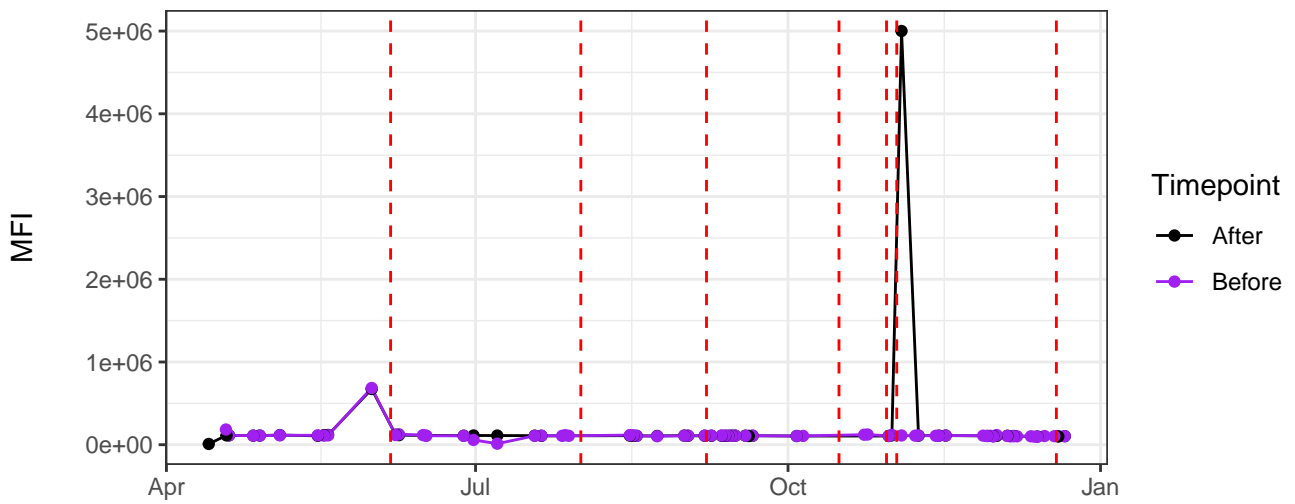
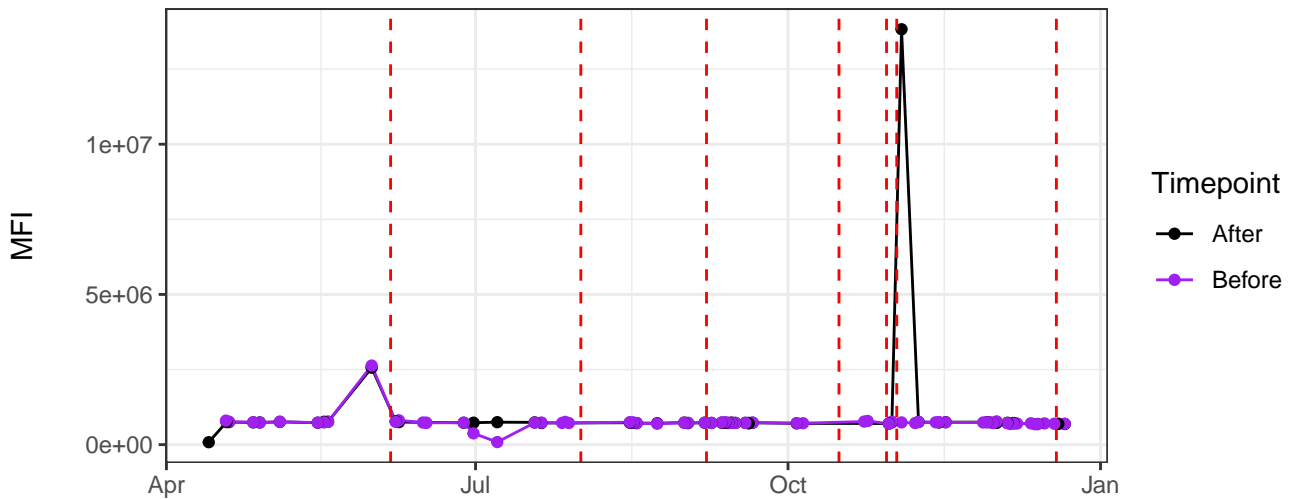


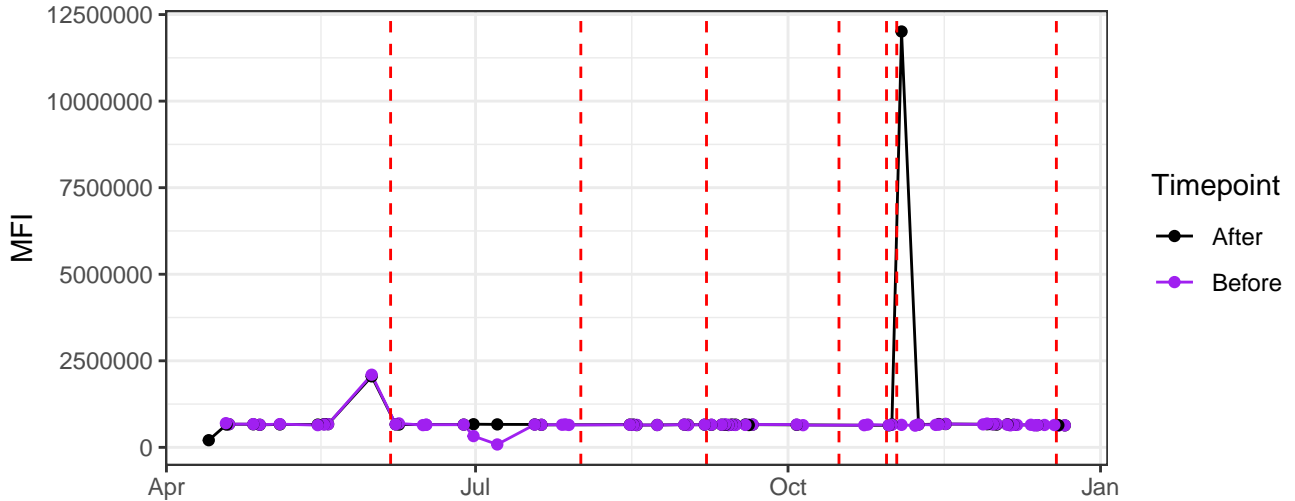
UV1-A



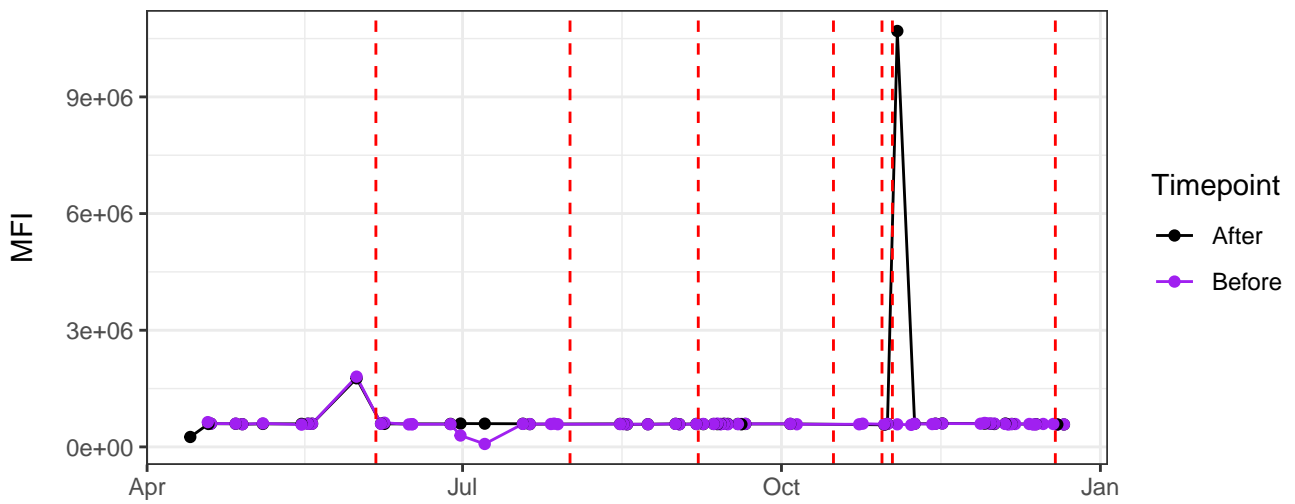
UV2-A



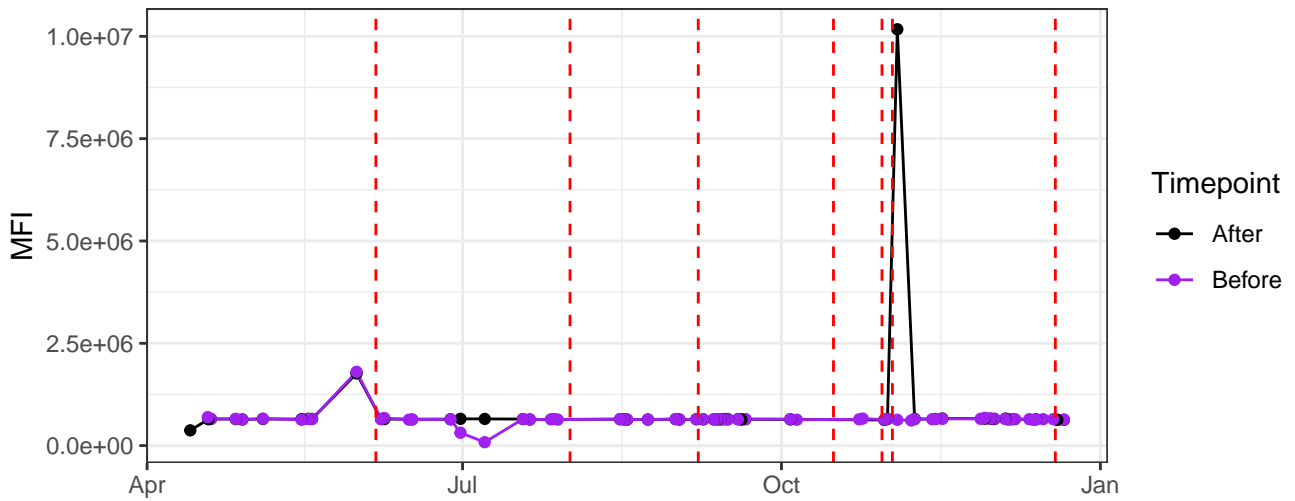
UV3-A



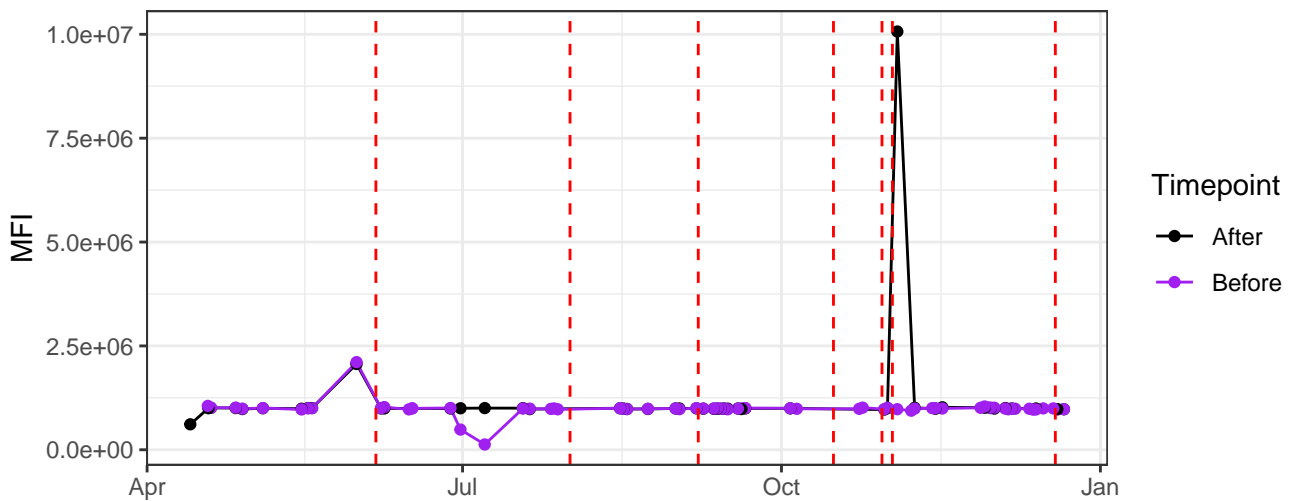
UV4-A



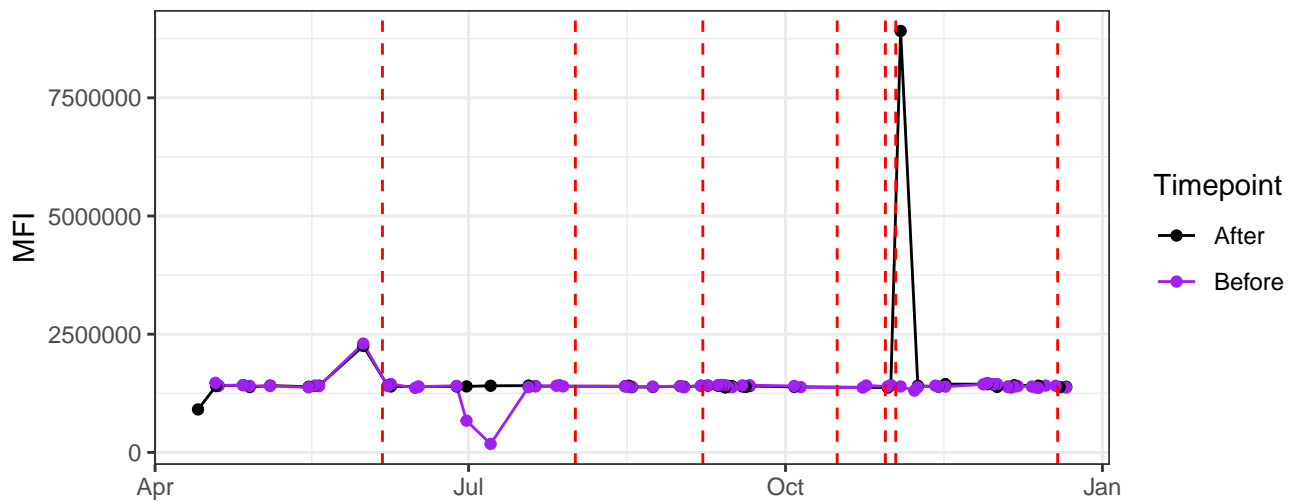
UV5-A



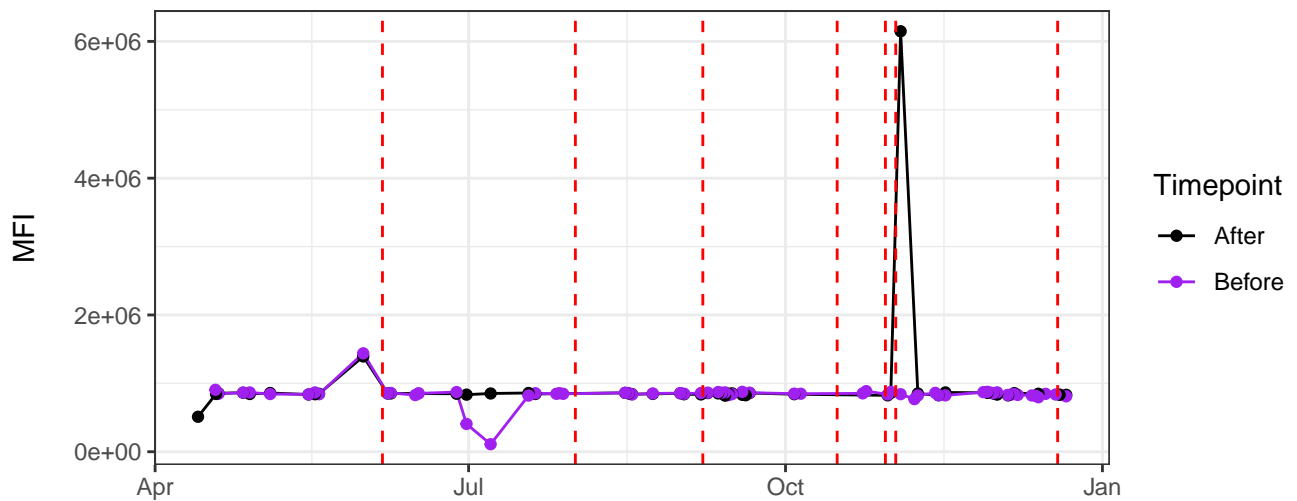
UV6-A



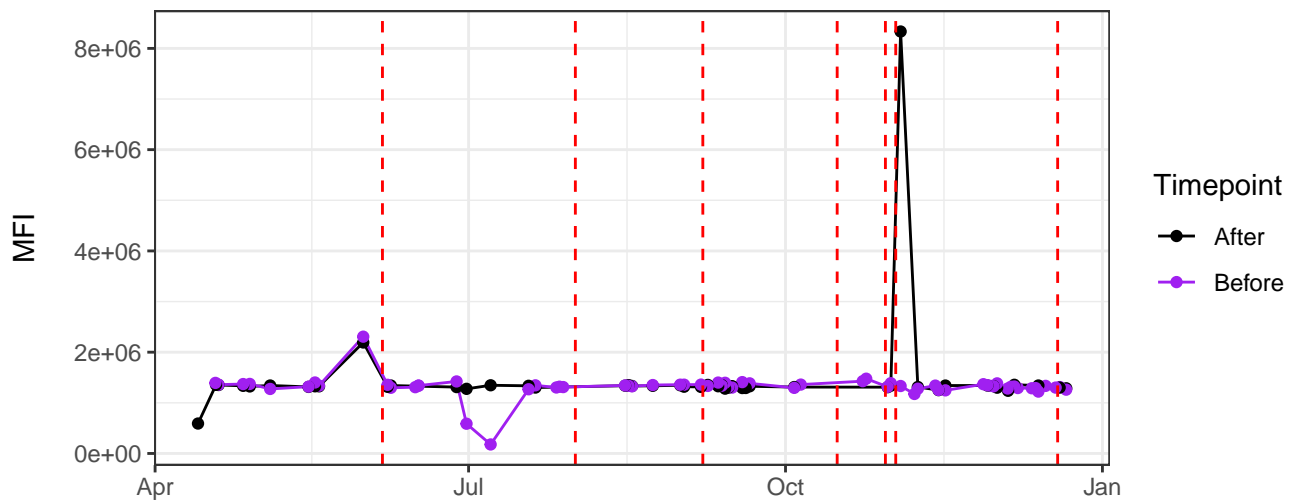
UV7-A



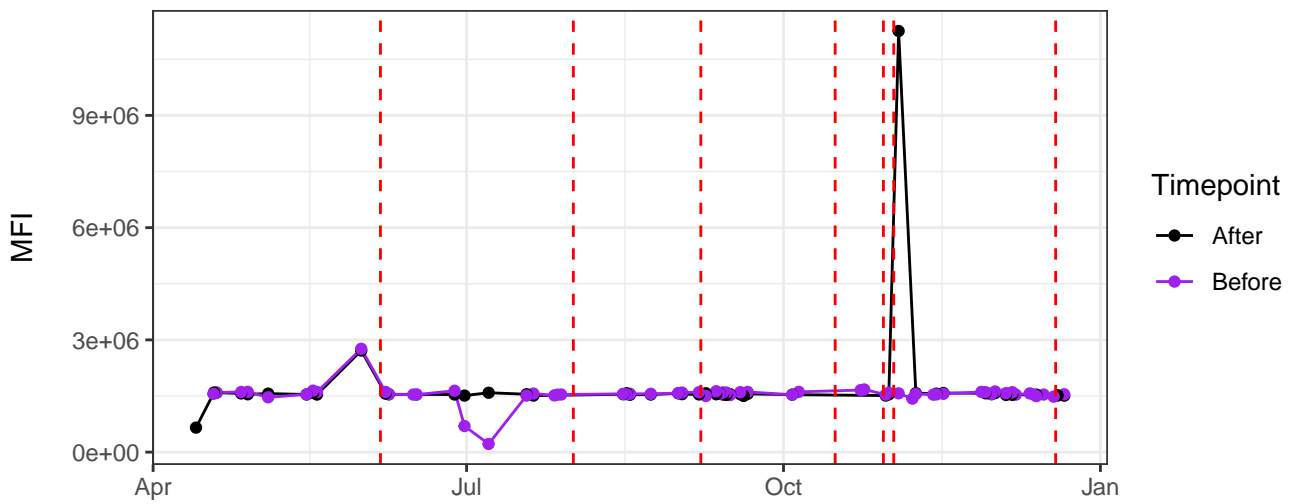
UV8-A



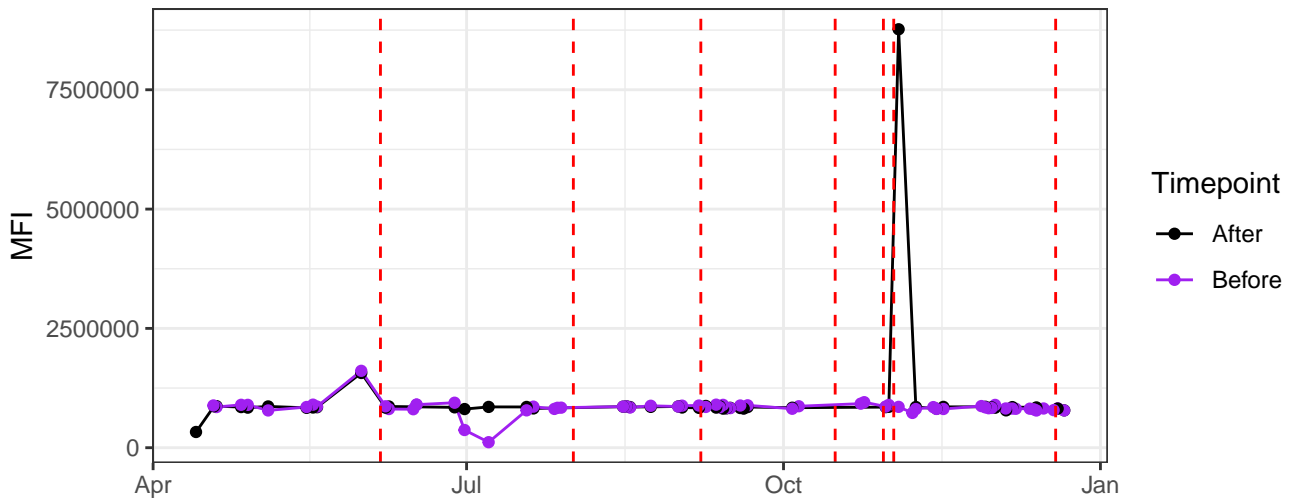
UV9-A



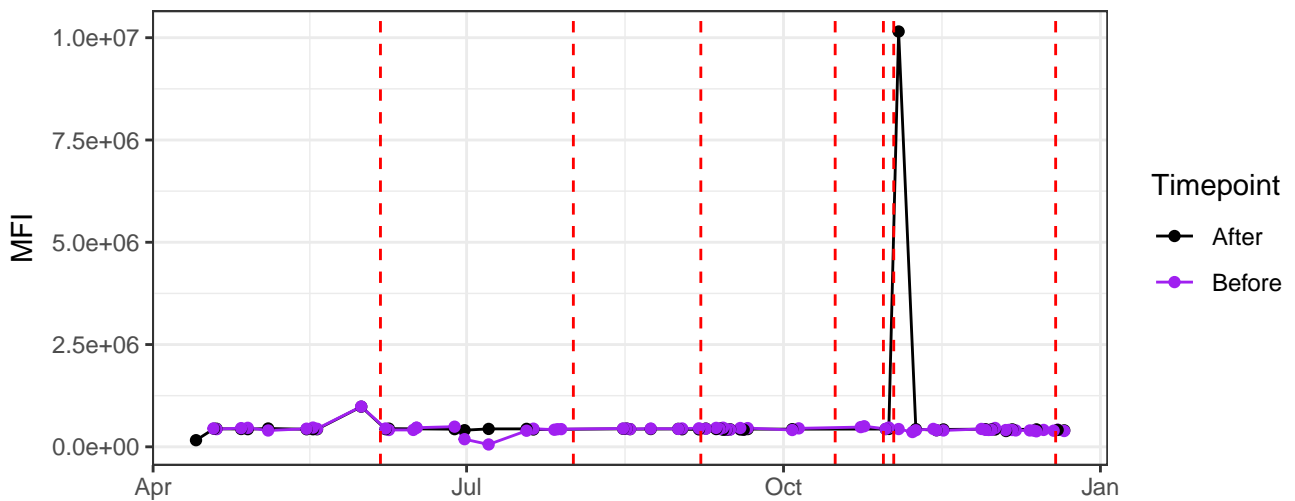
UV10-A



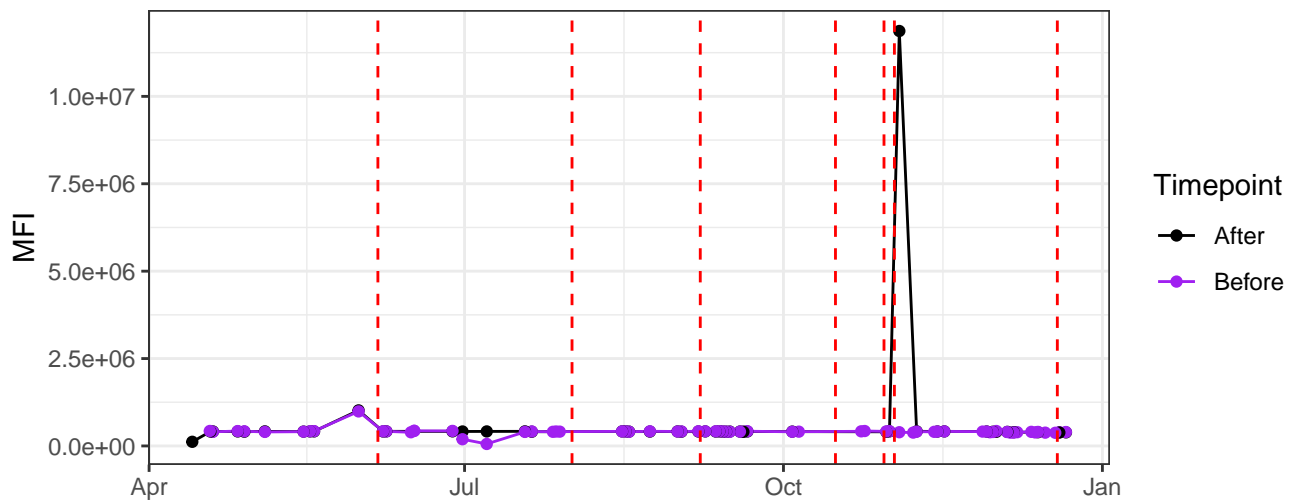
UV11-A



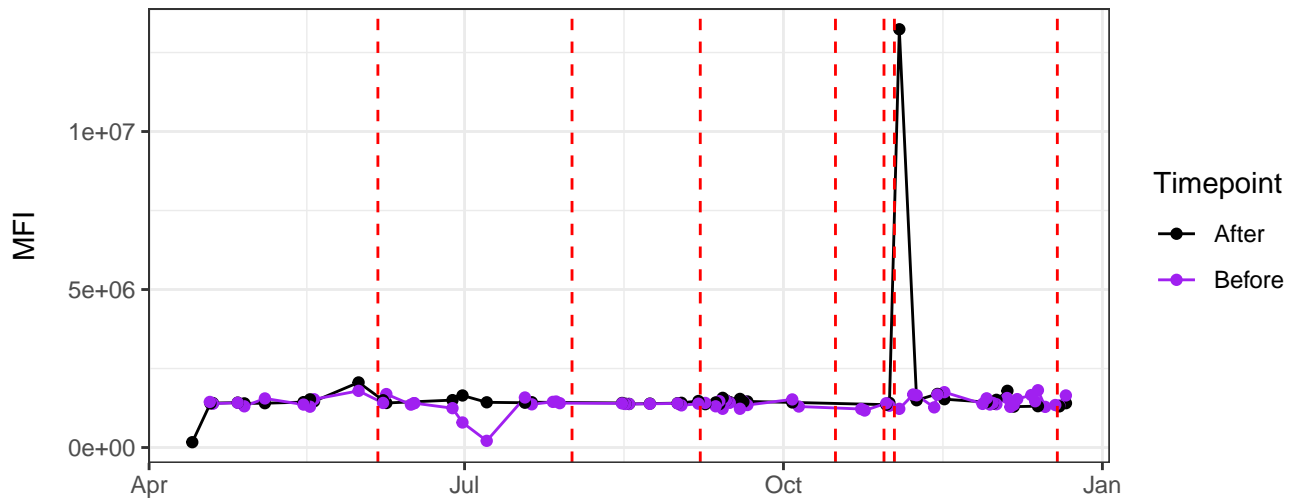
UV12-A



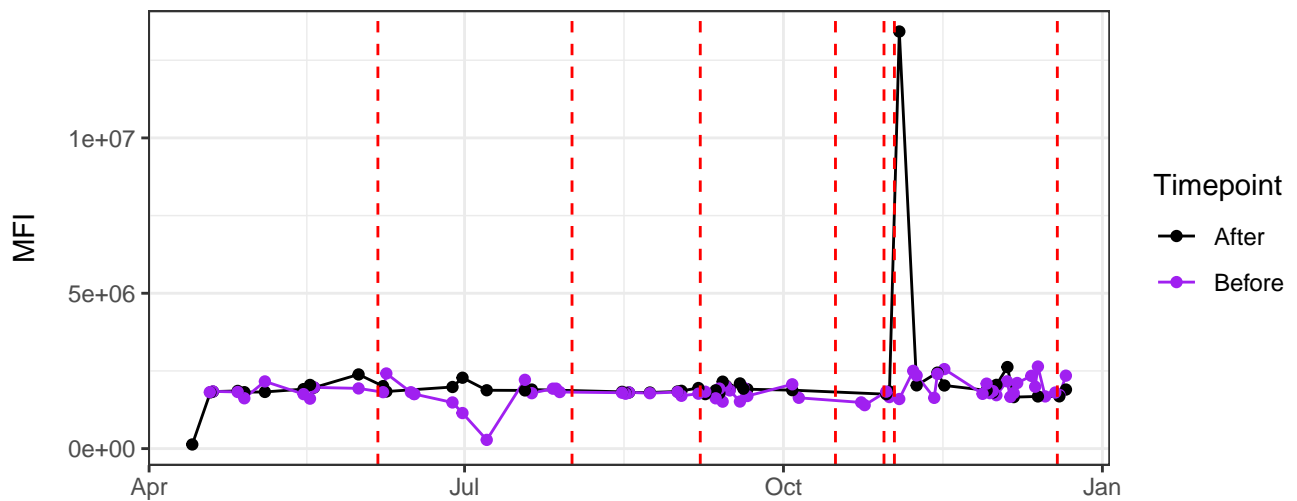
UV13-A



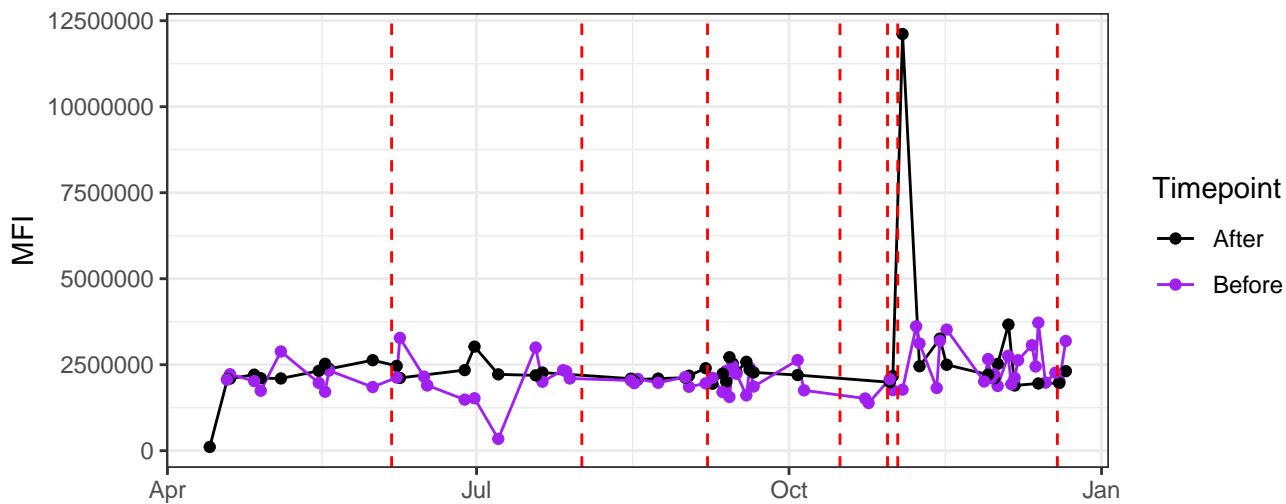
UV14-A



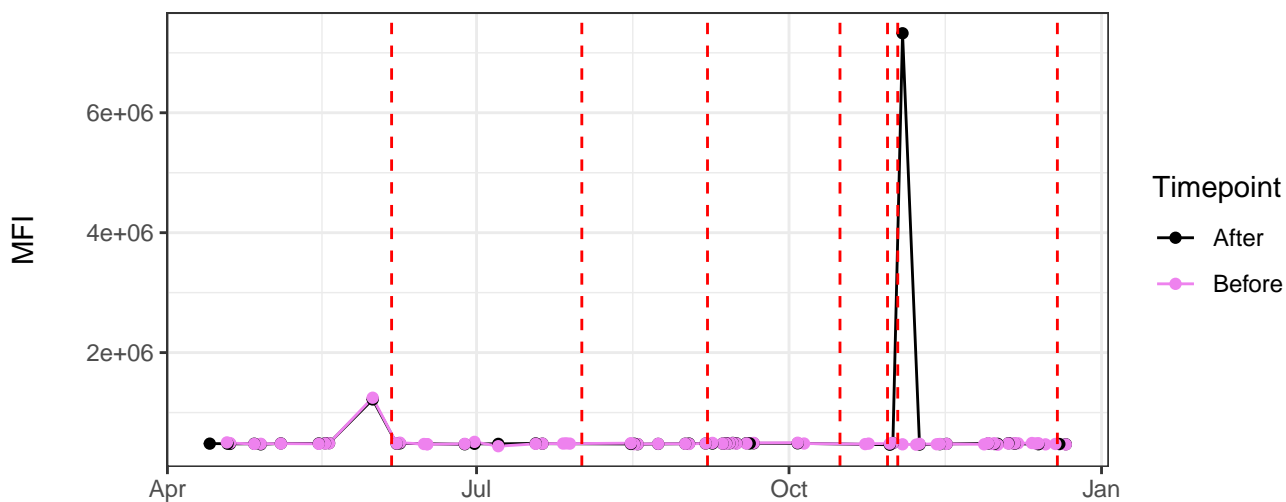
UV15-A



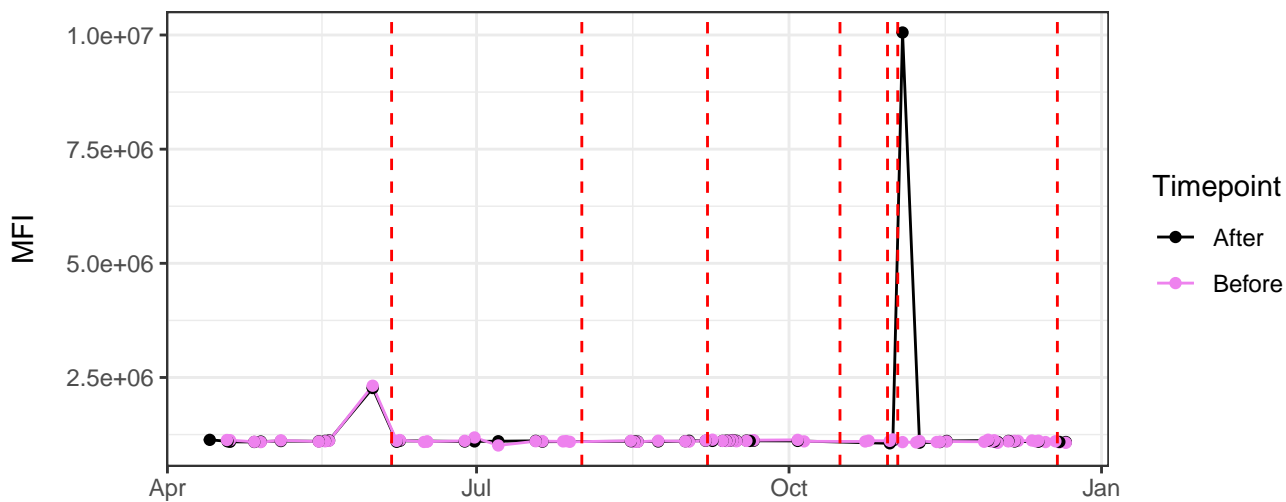
UV16-A



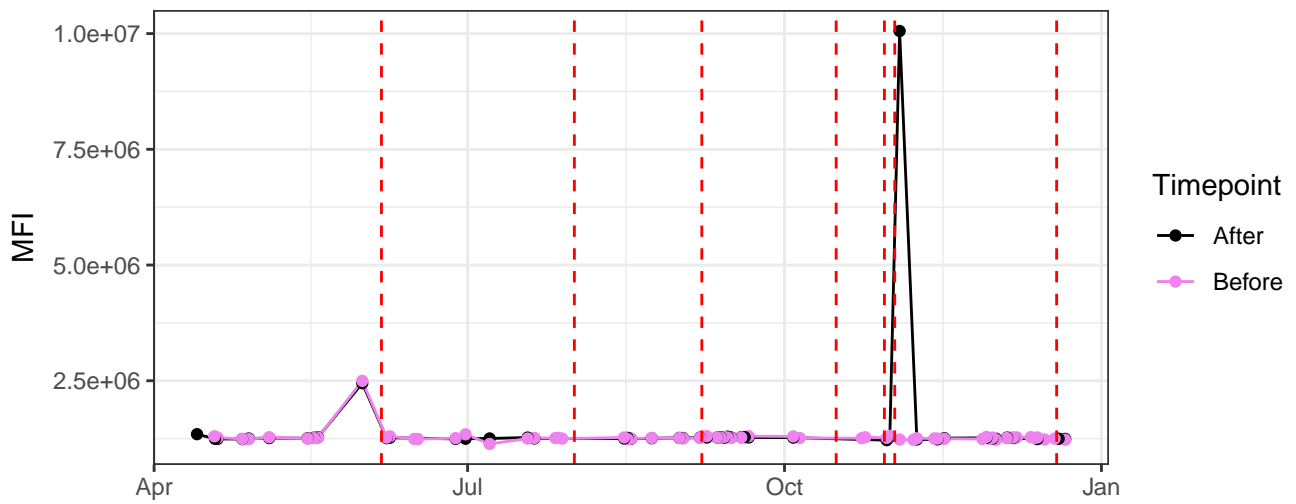
V1-A



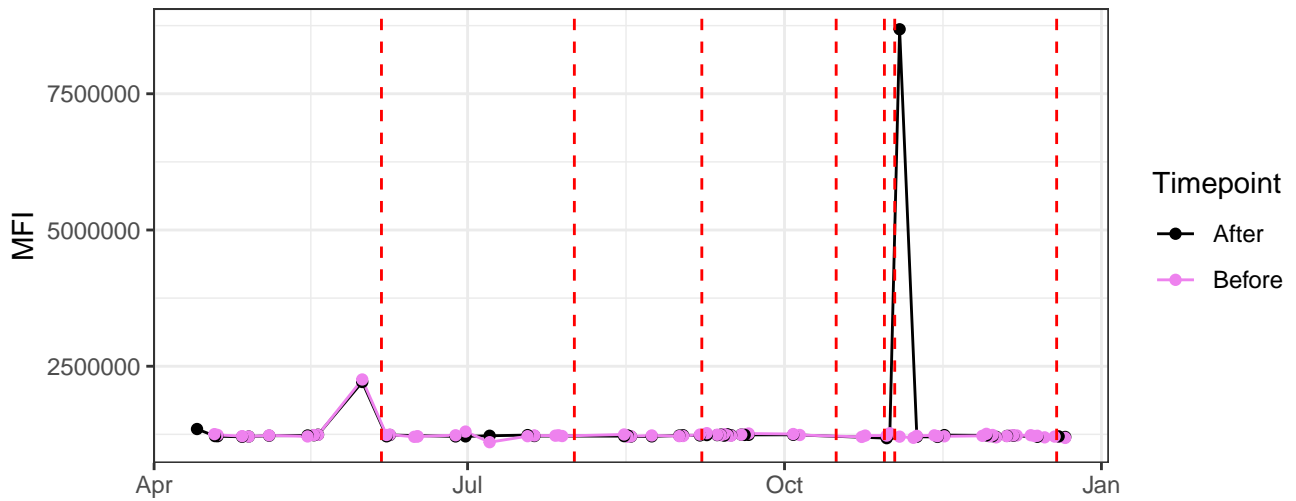
V2-A



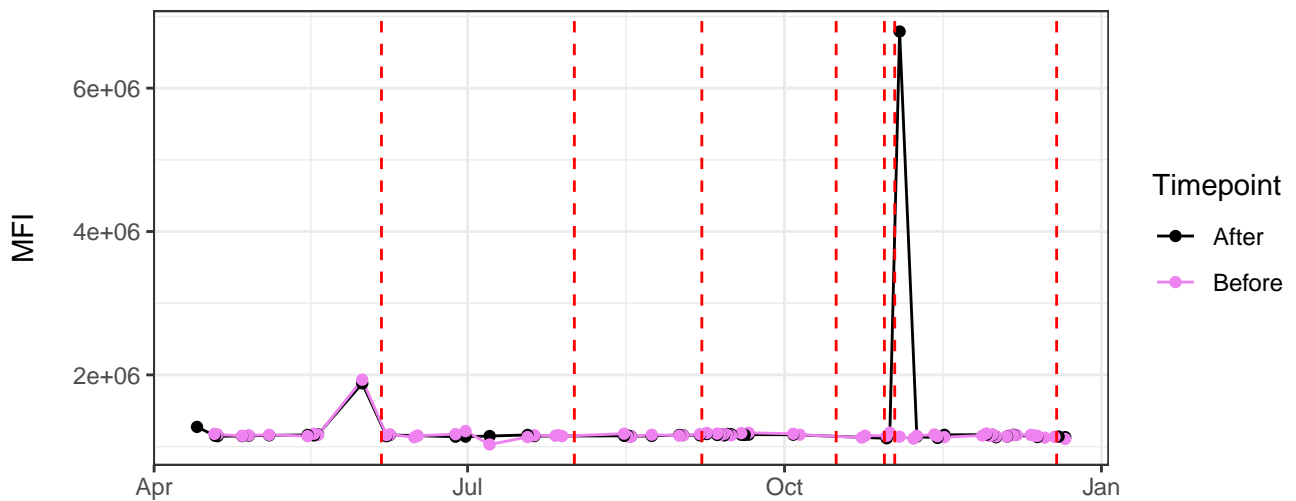
V3-A



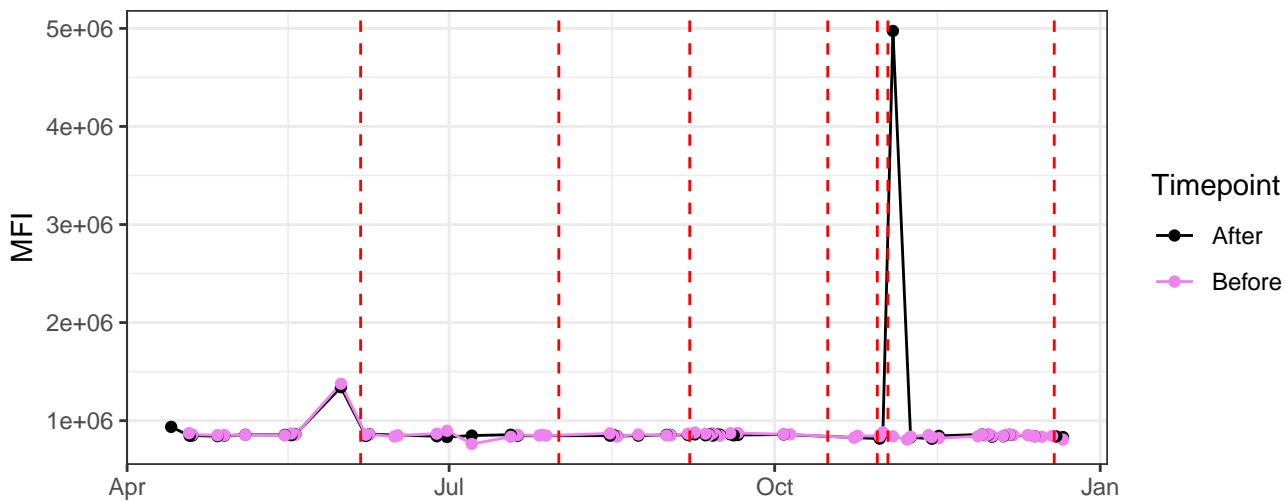
V4-A



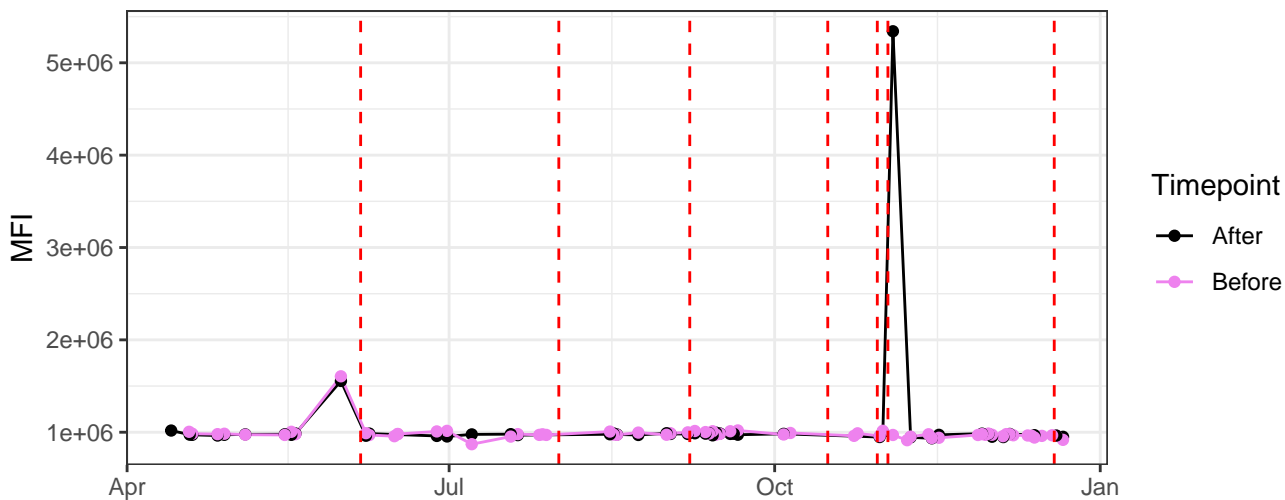
V5-A



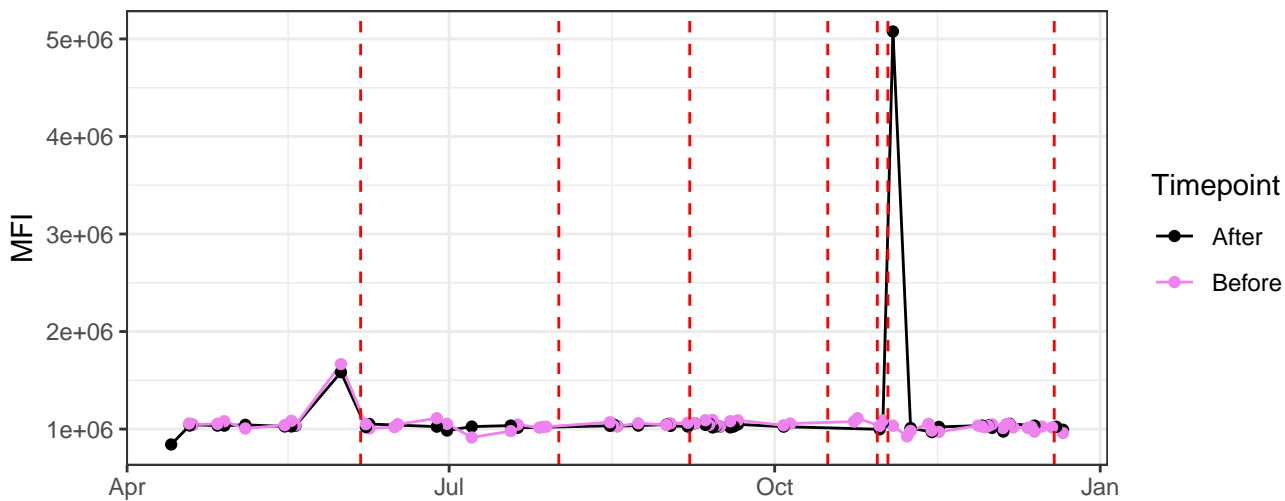
V6-A



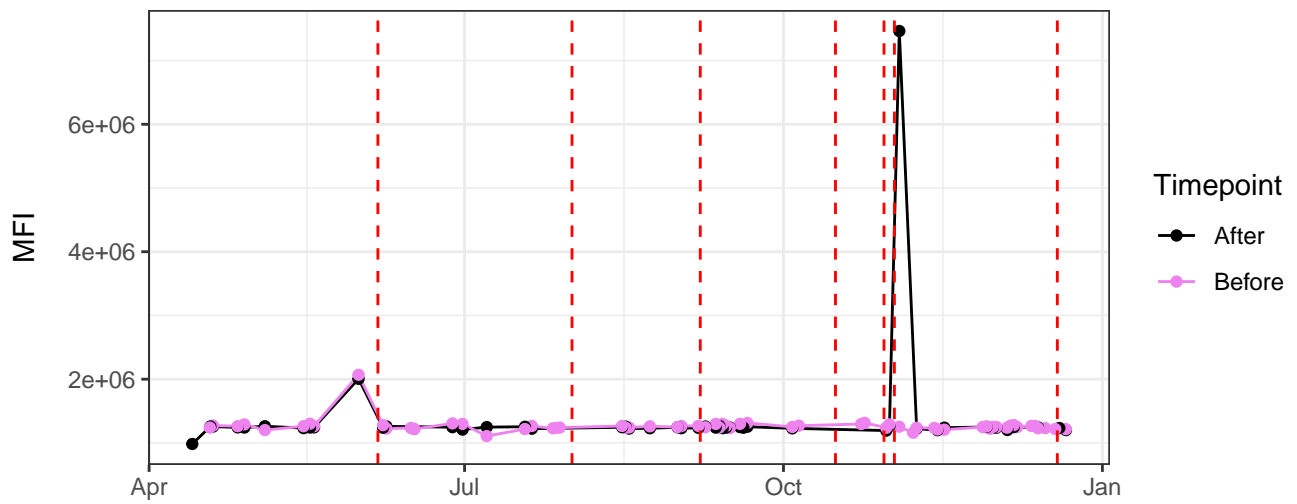
V7-A



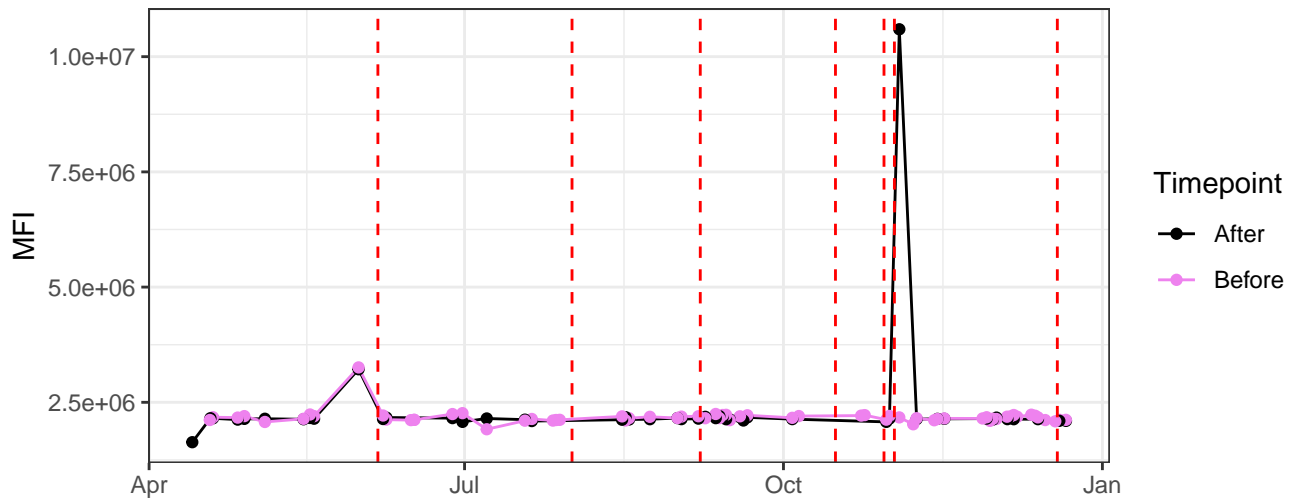
V8-A



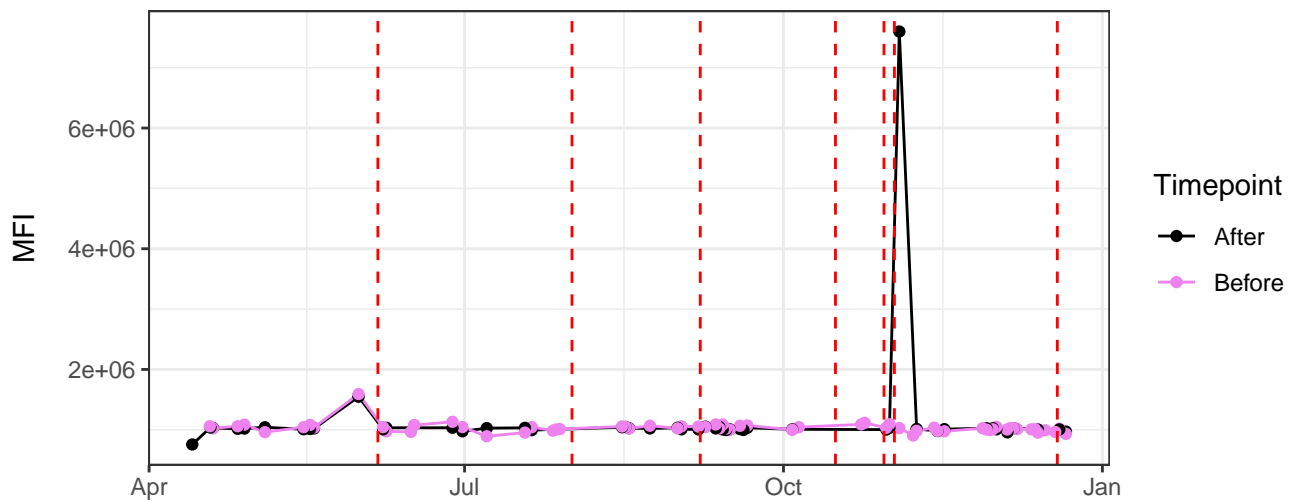
V9-A



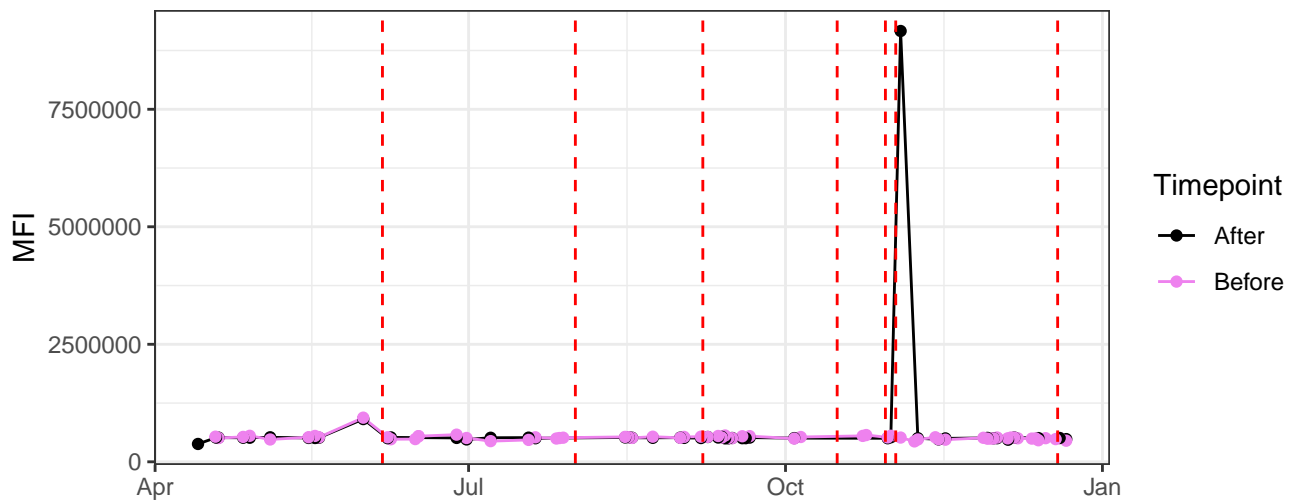
V10-A



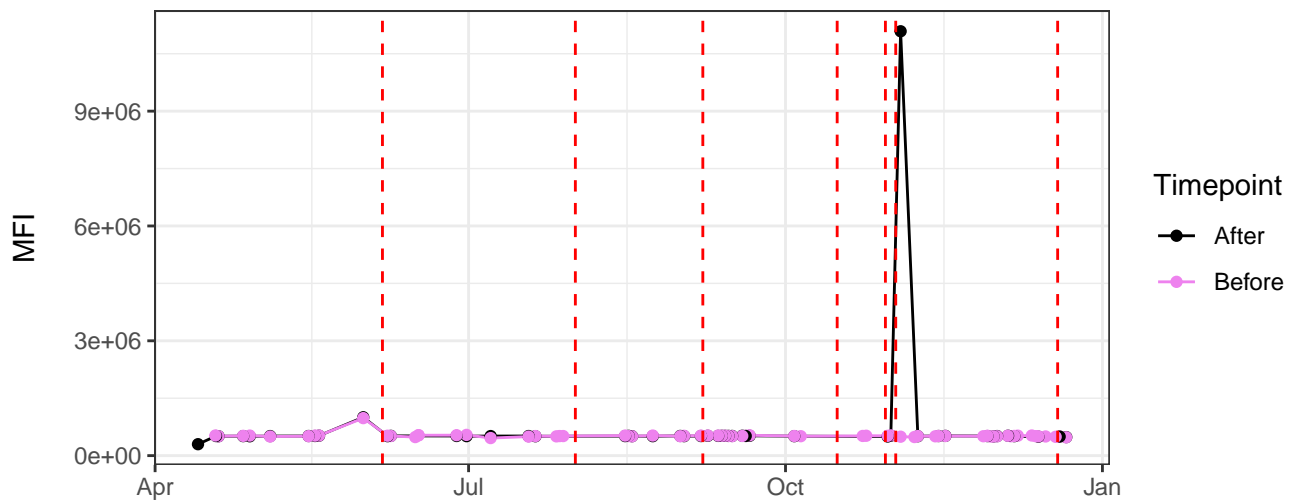
V11-A



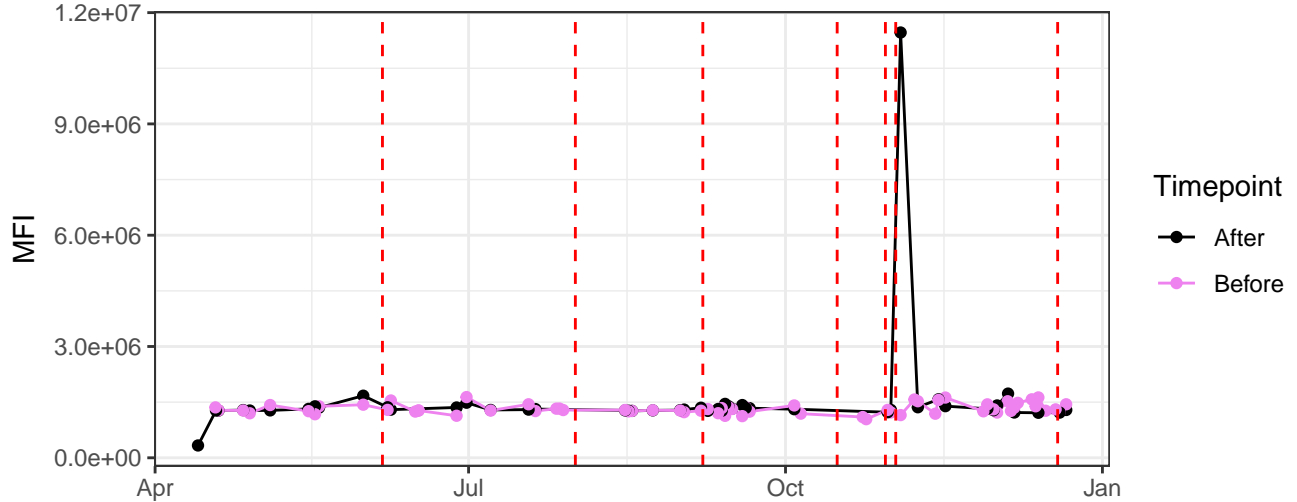
V12-A



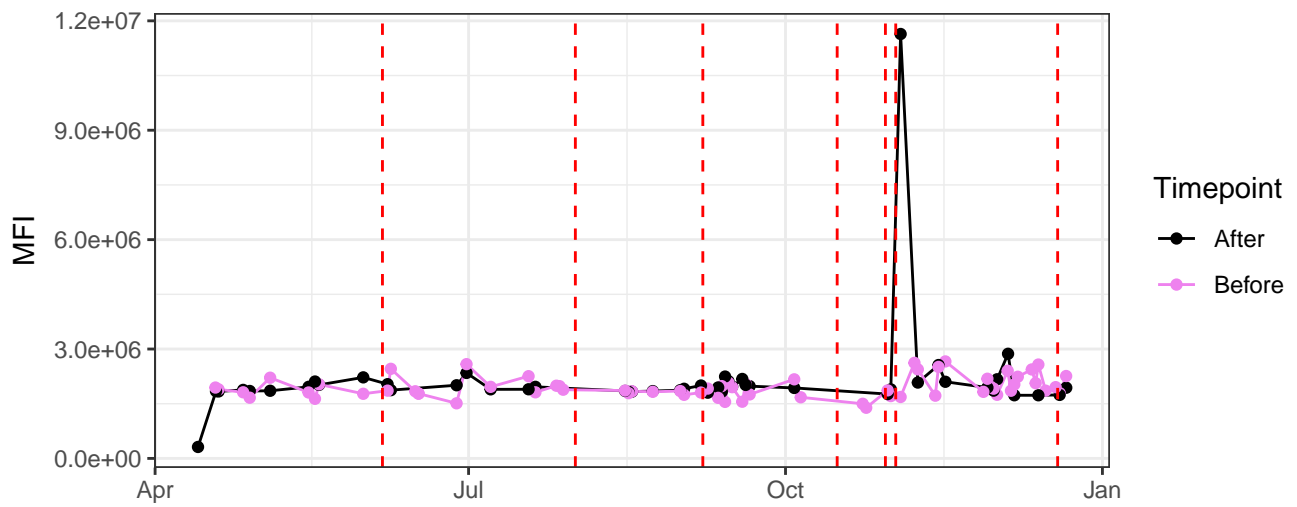
V13-A



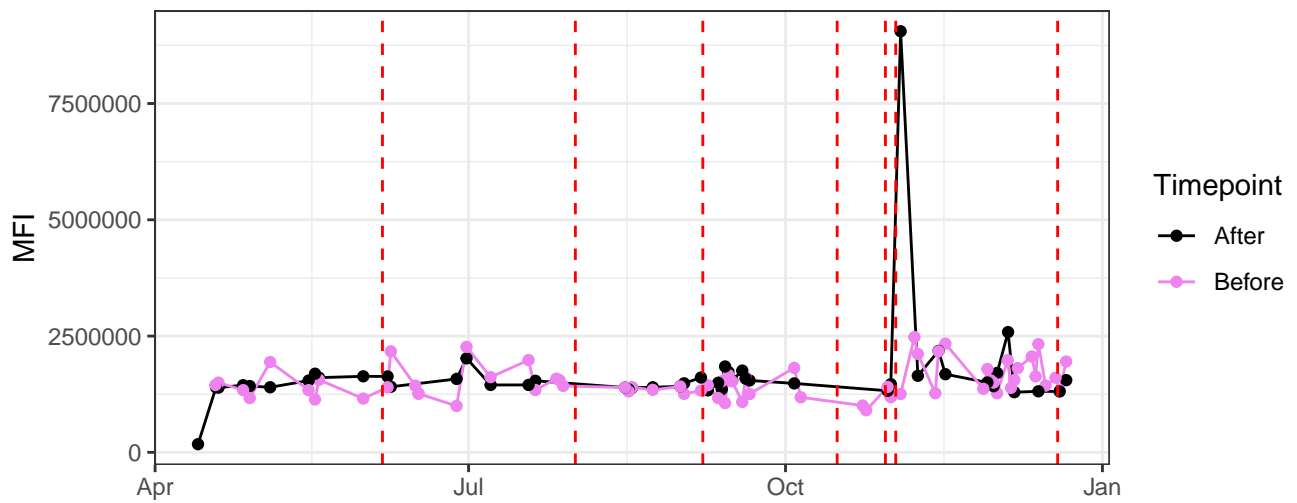
V14-A



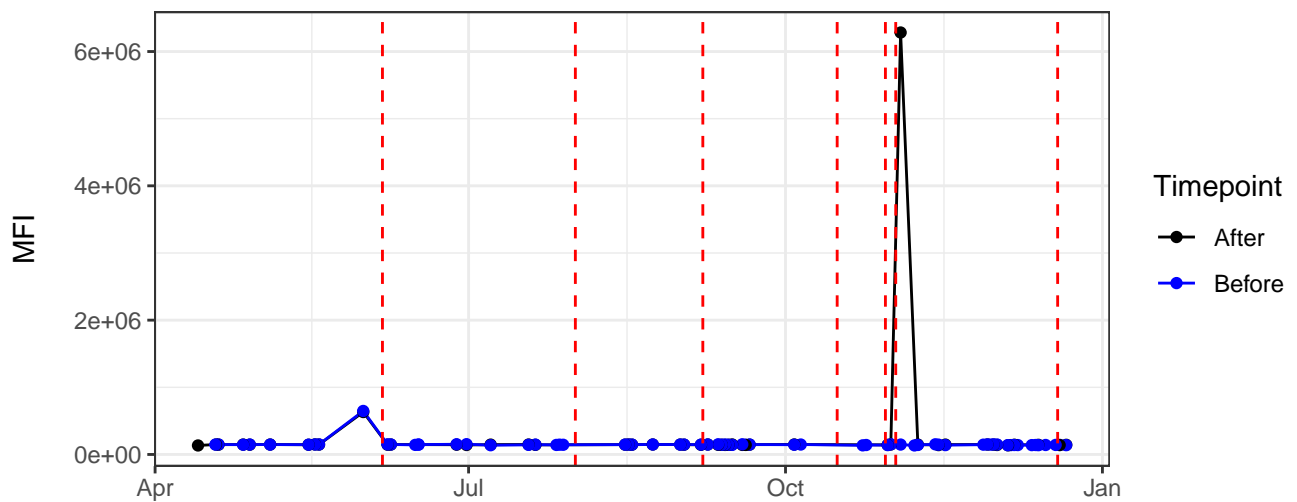
V15-A



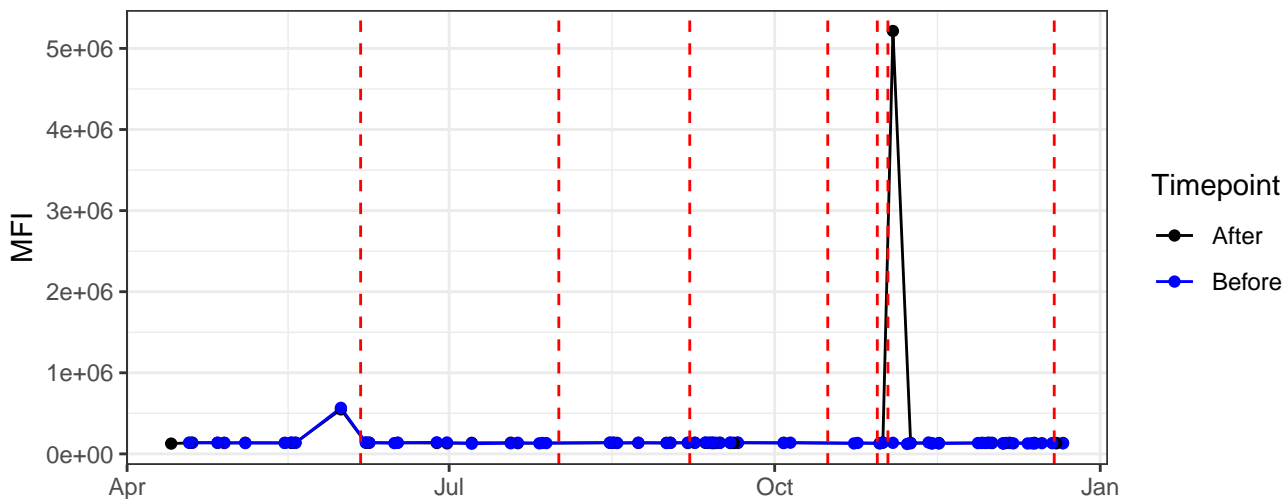
V16-A



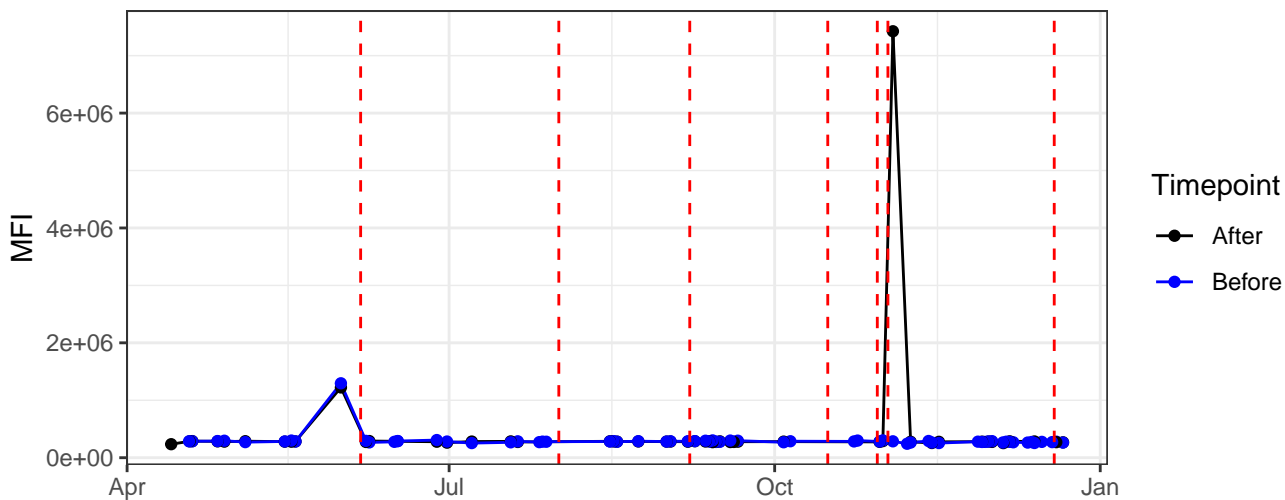
B1-A



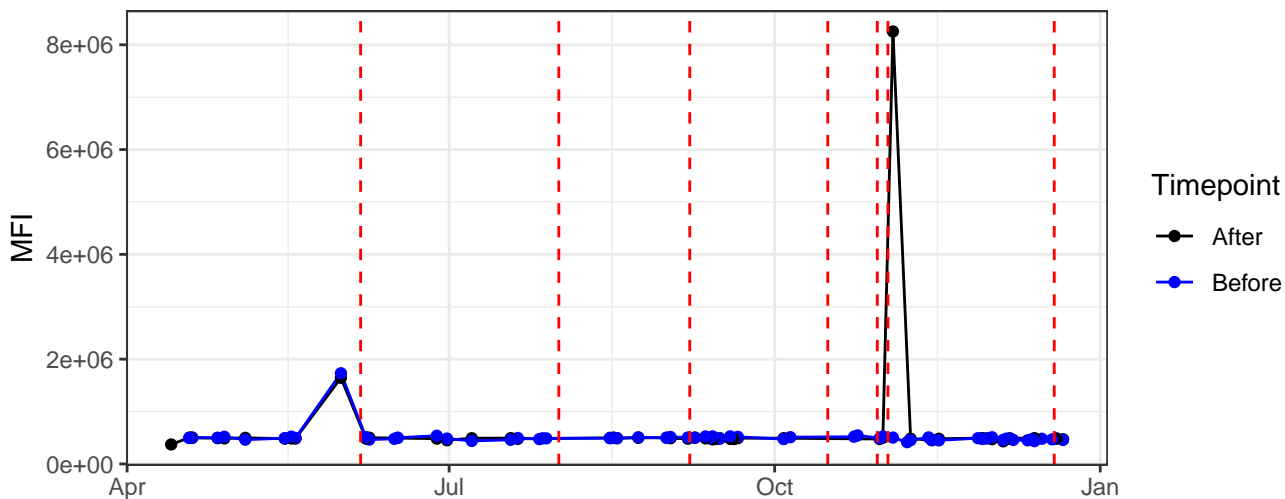
B2-A



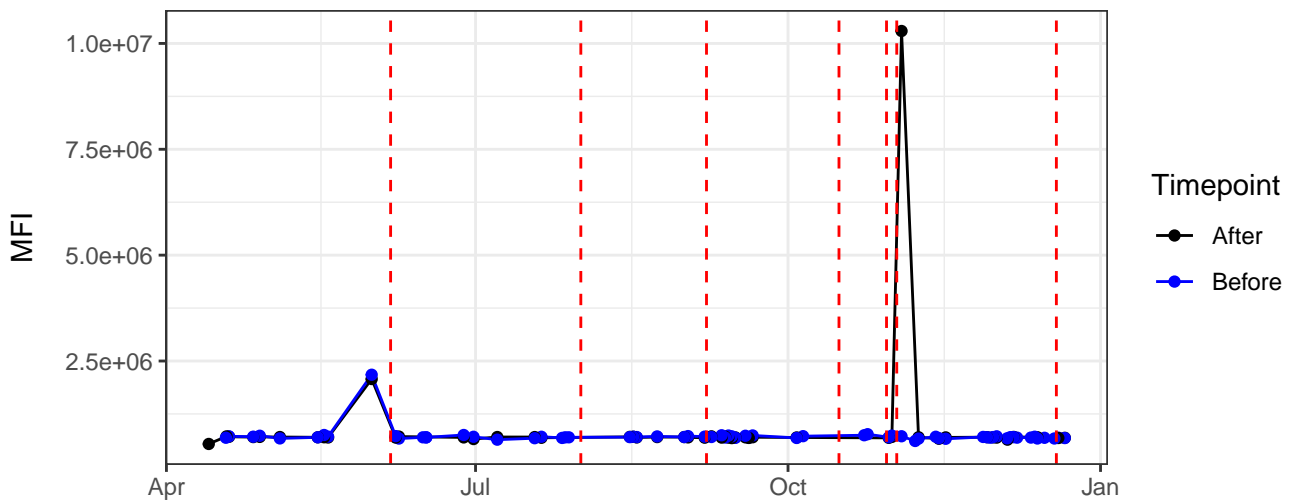
B3-A



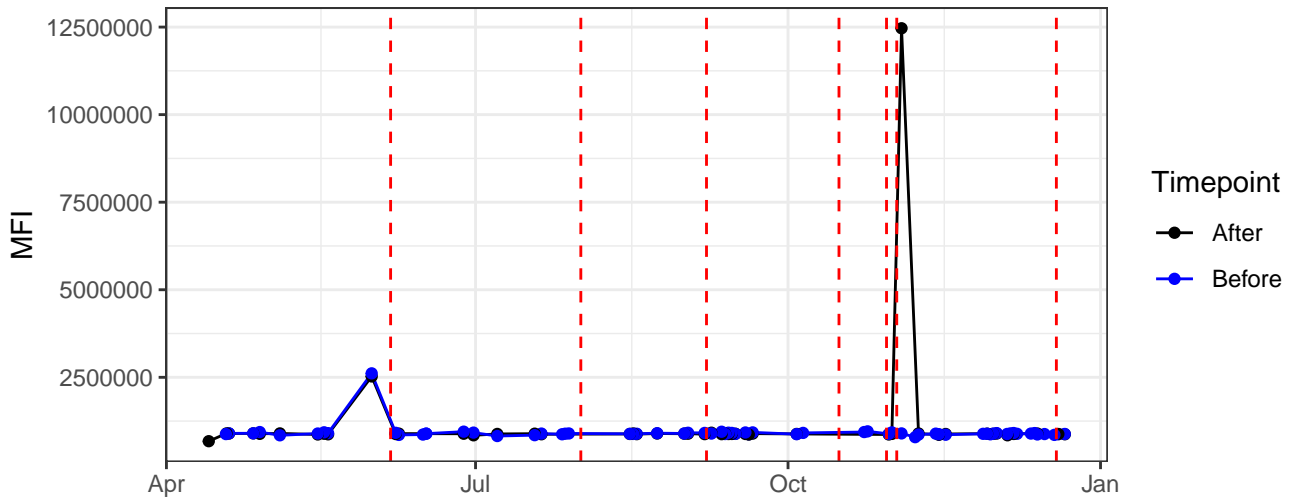
B4-A



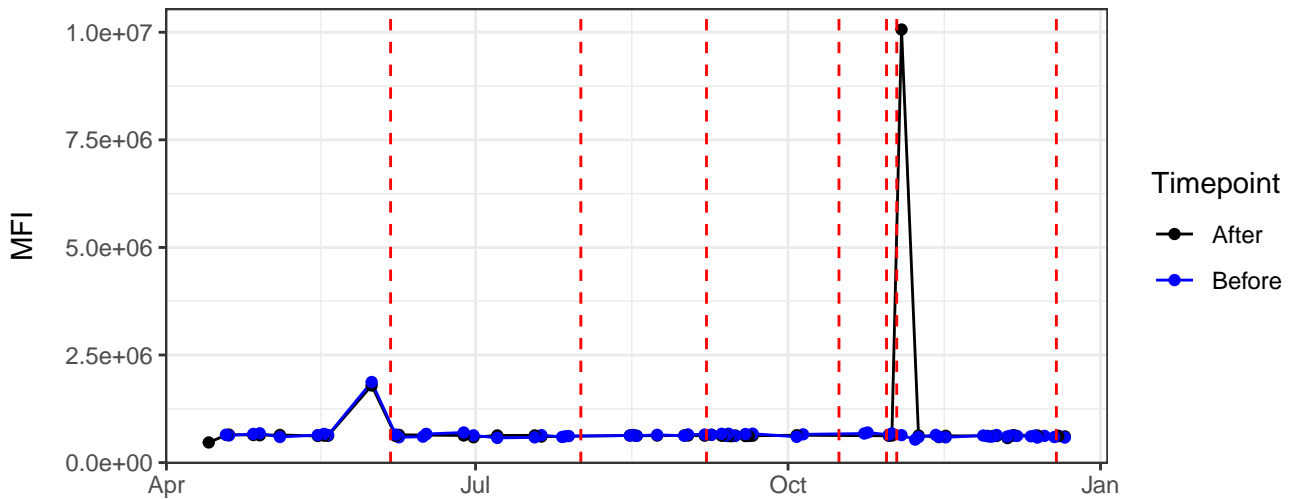
B5-A



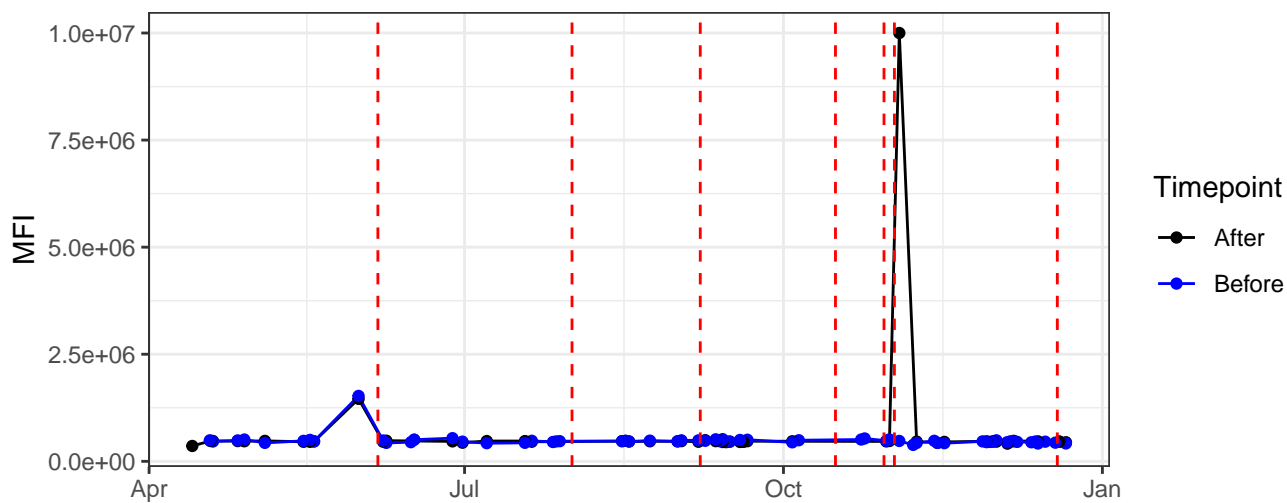
B6-A



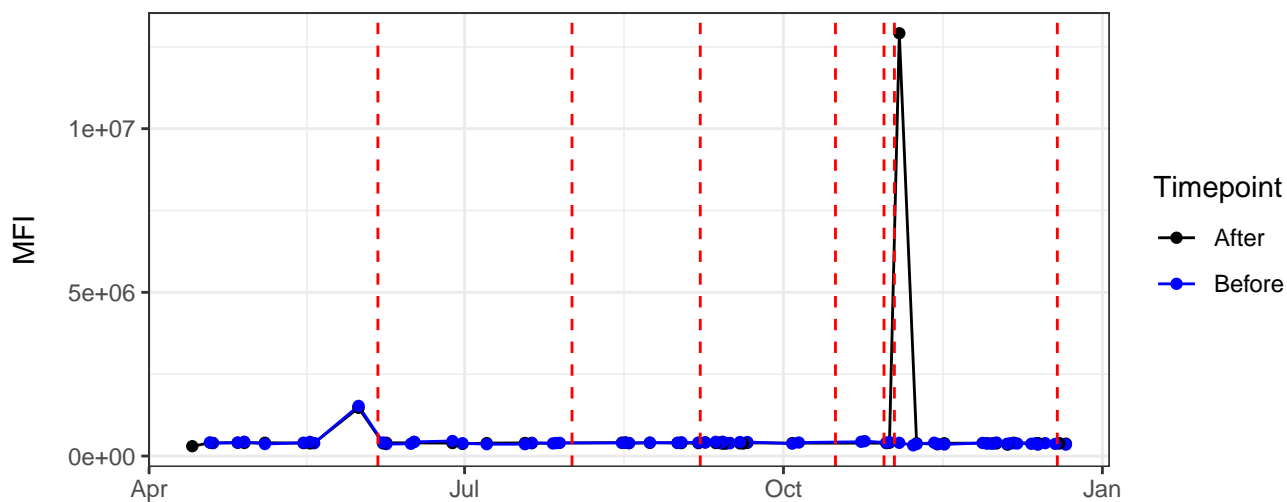
B7-A



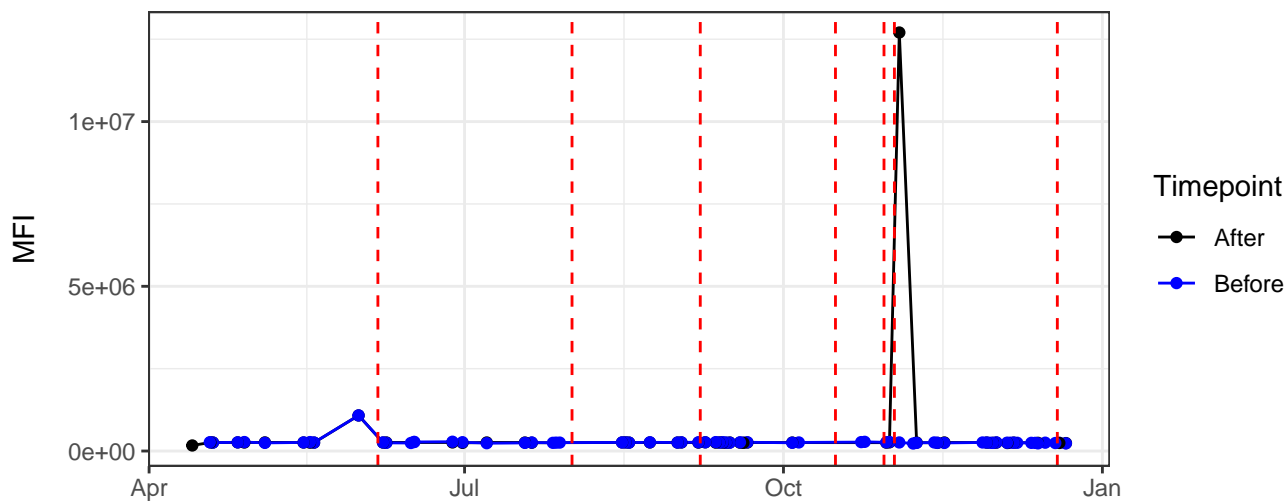
B8-A



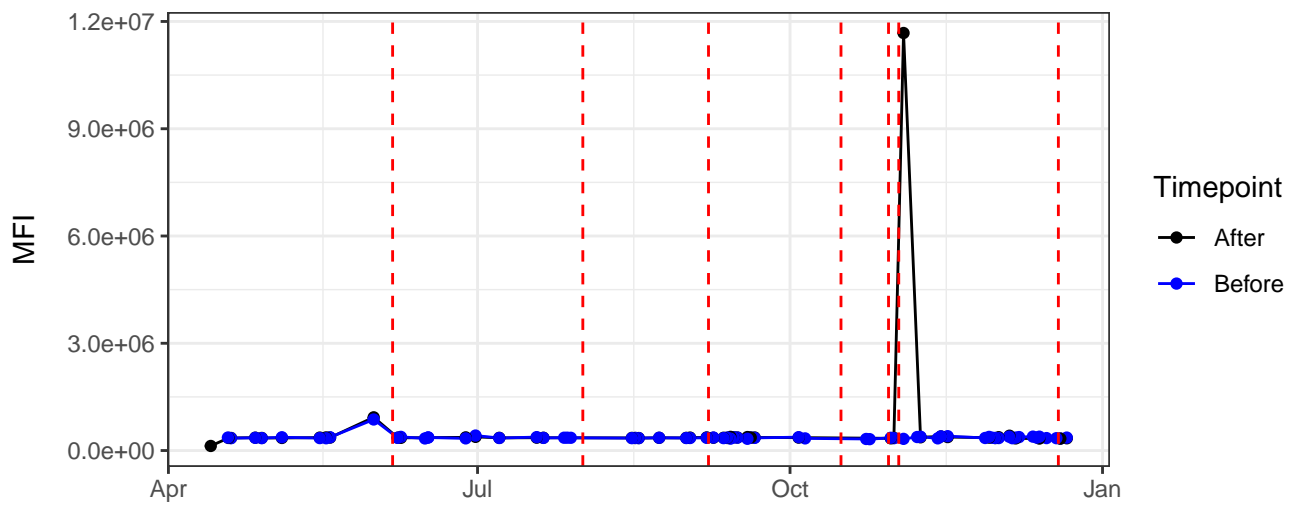
B9-A



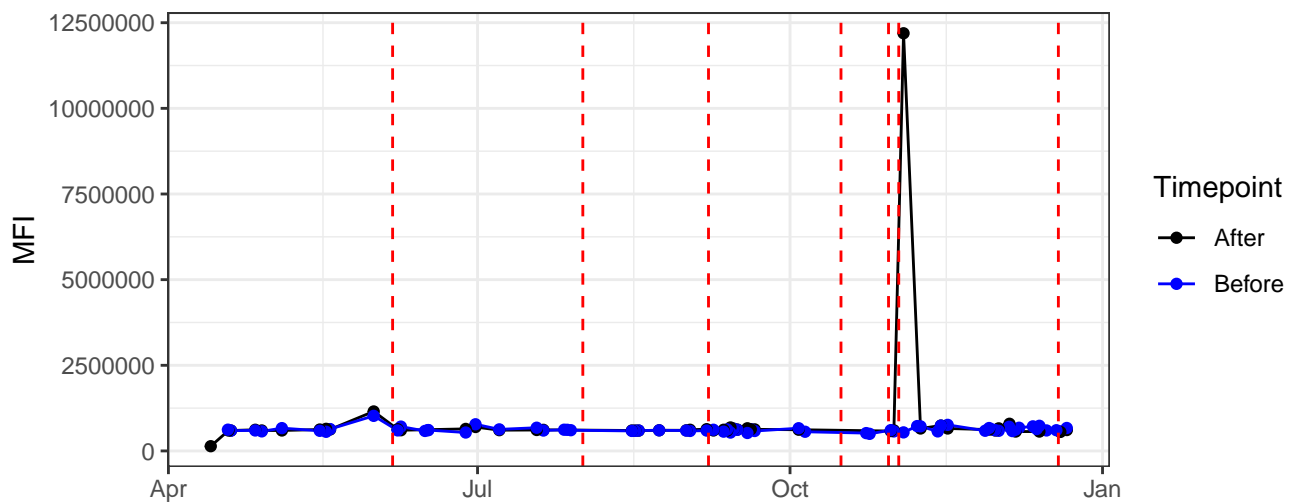
B10-A



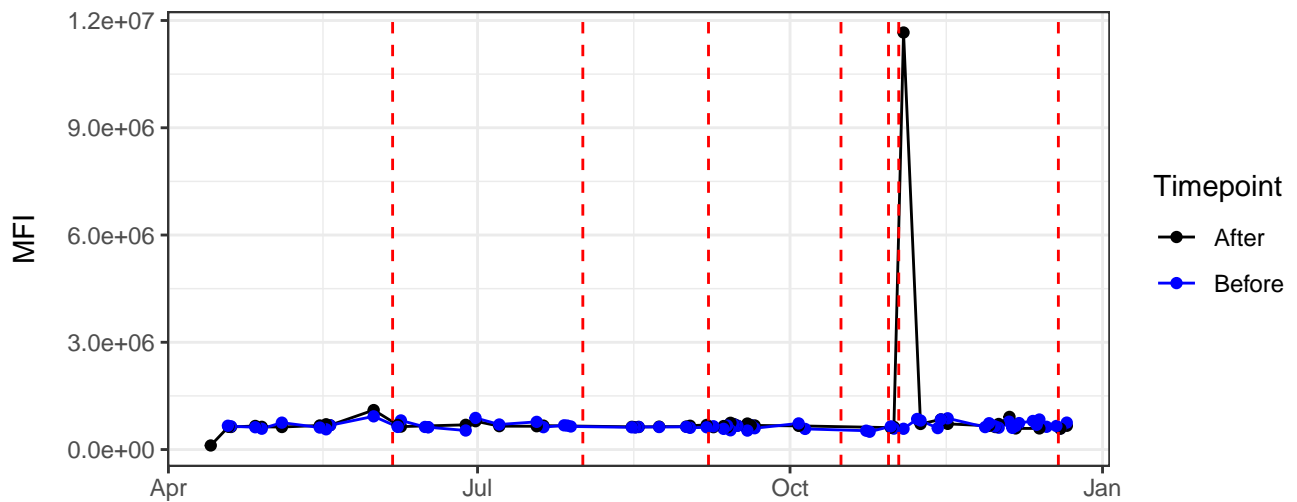
B11-A



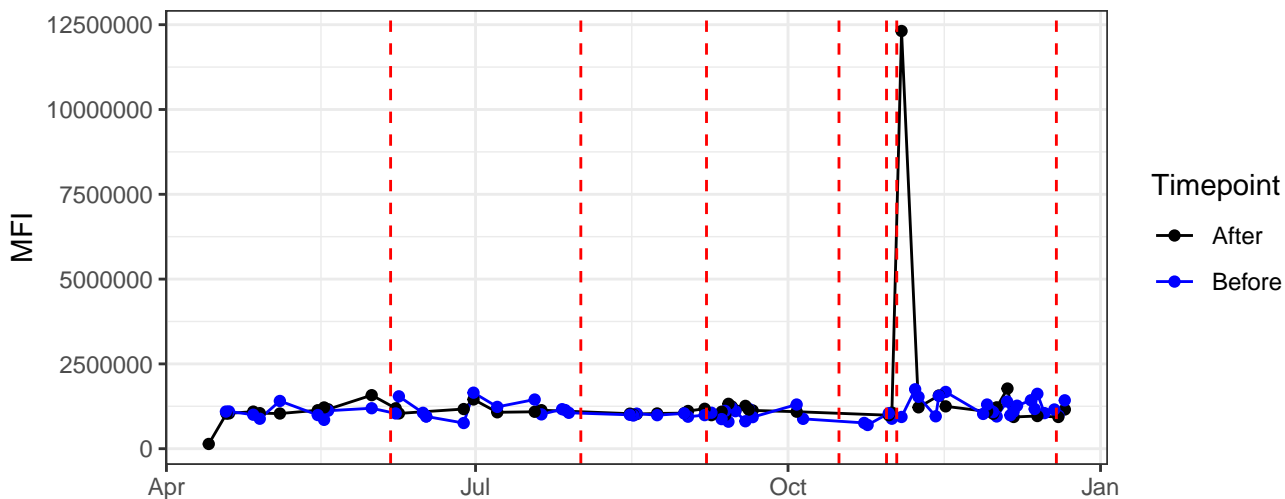
B12-A



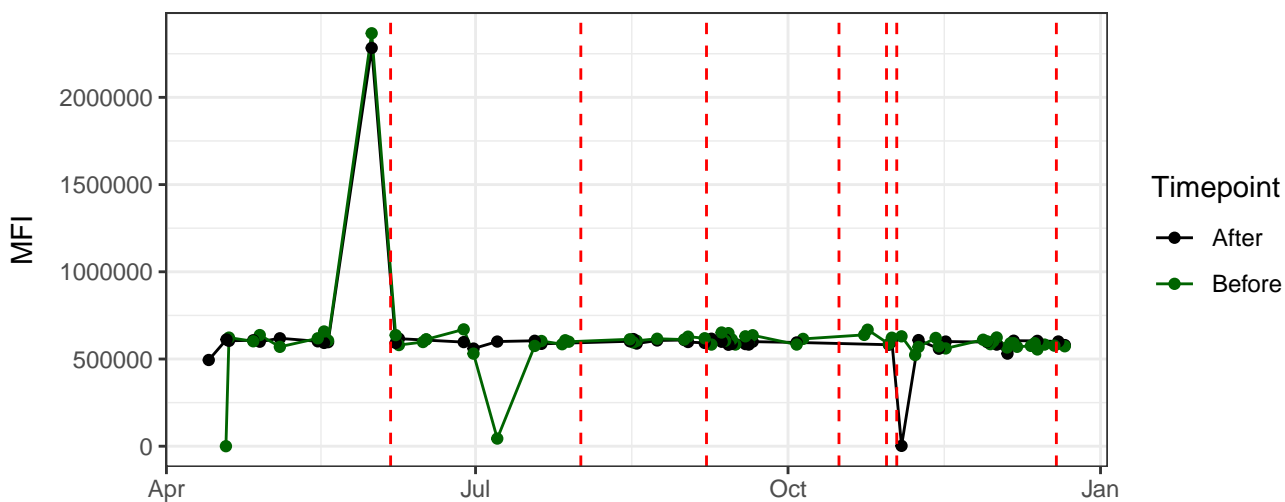
B13-A



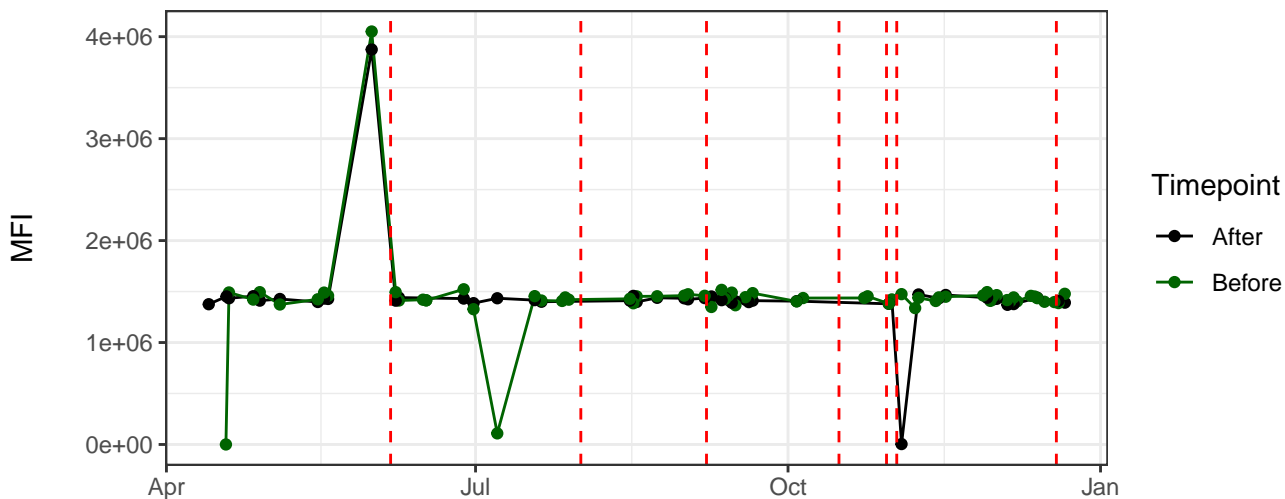
B14-A



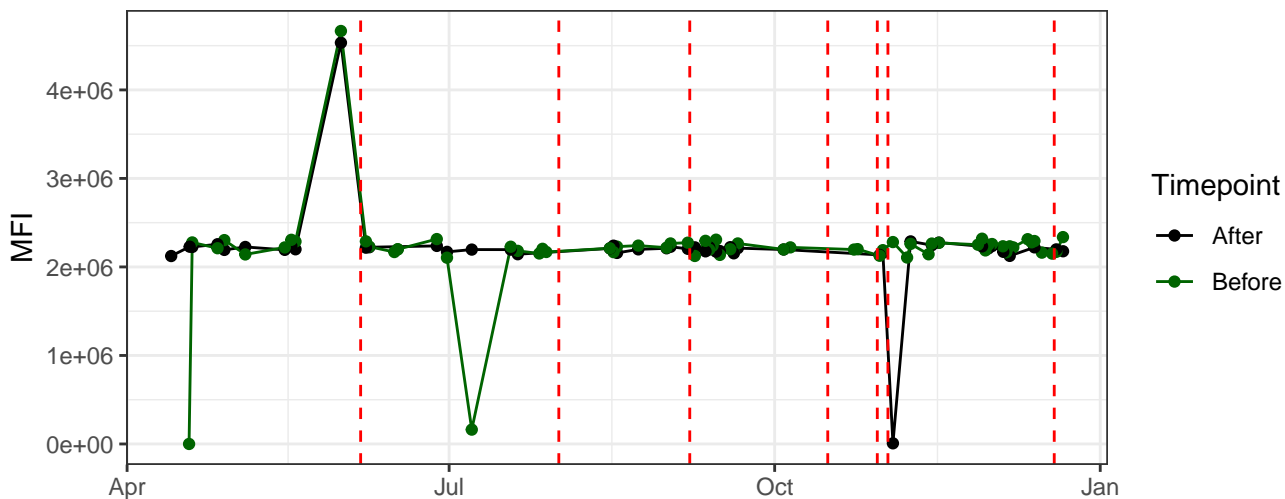
YG1-A



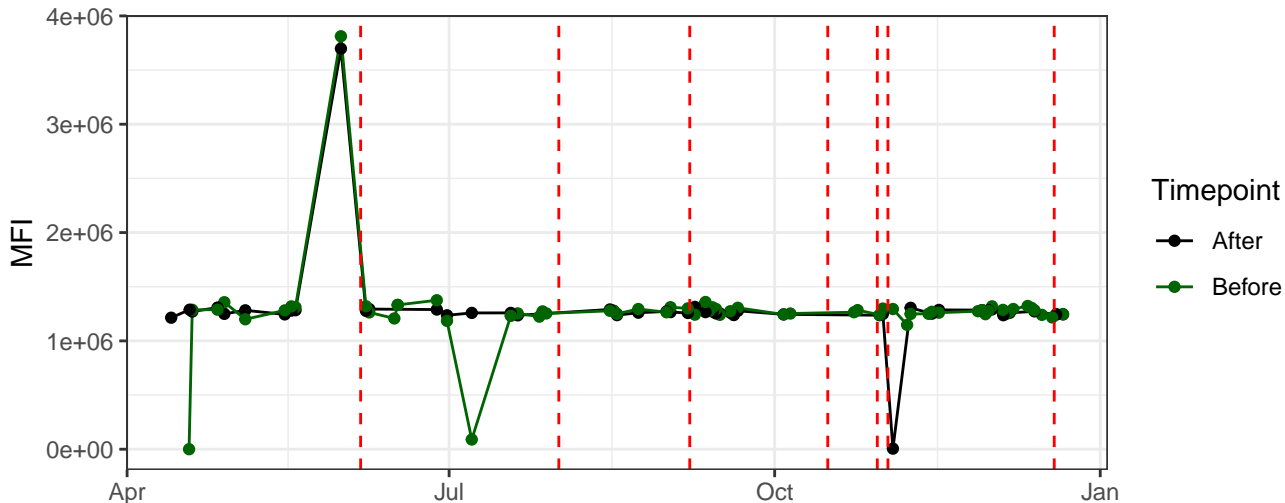
YG2-A



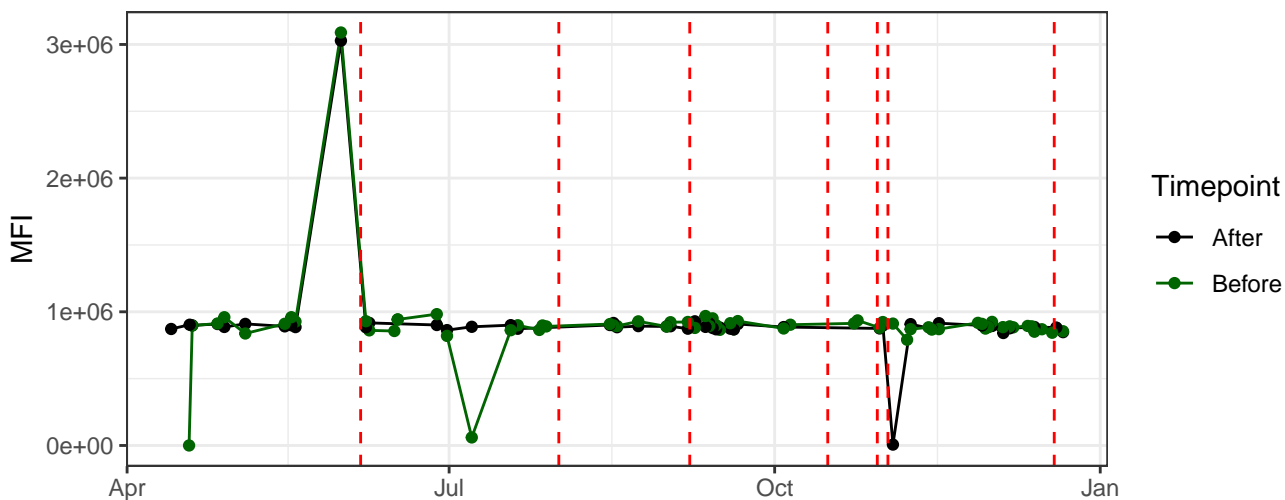
YG3-A



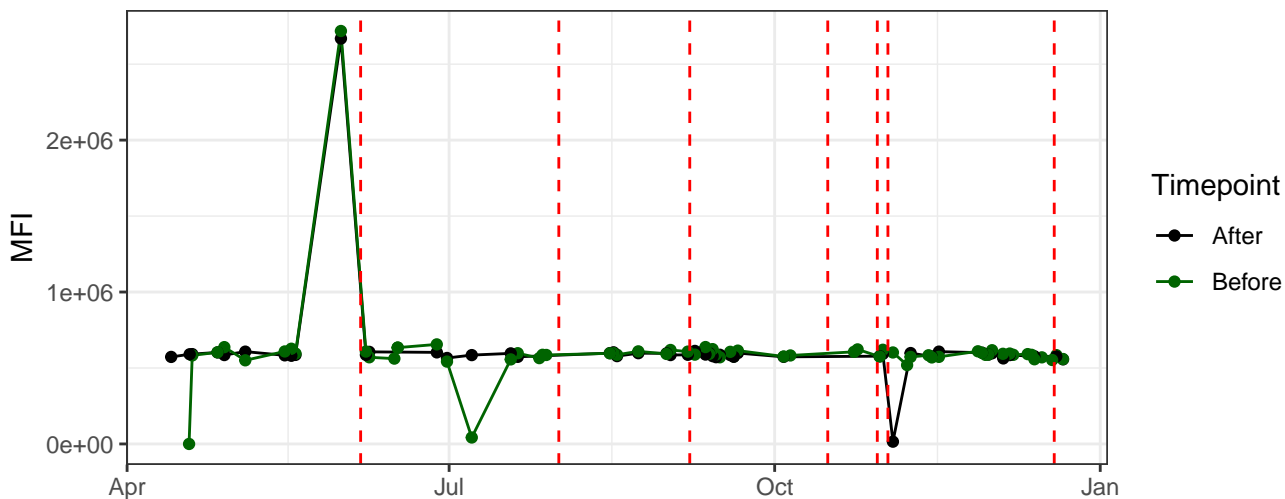
YG4-A



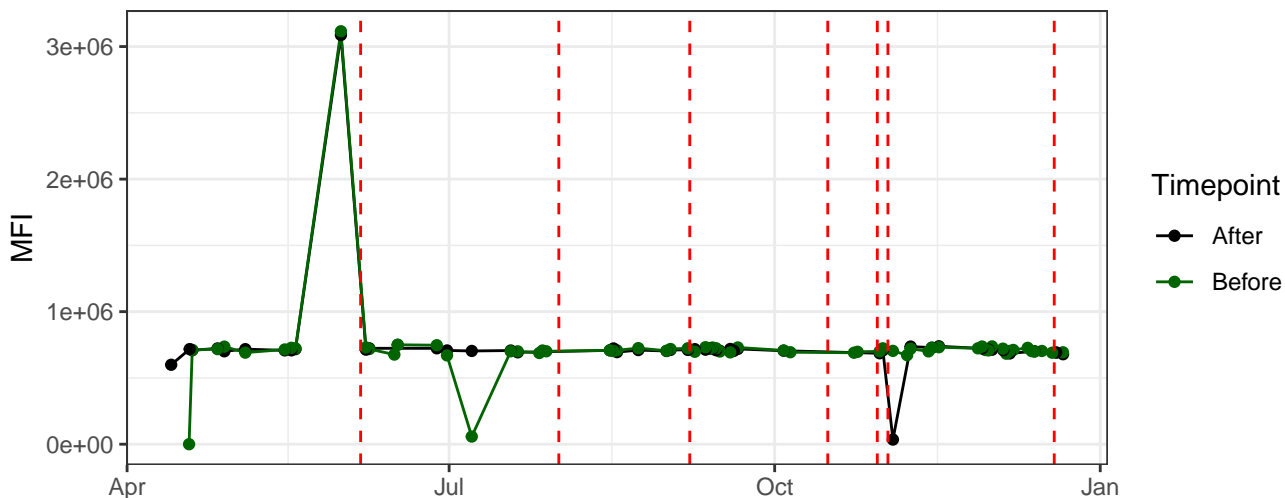
YG5-A



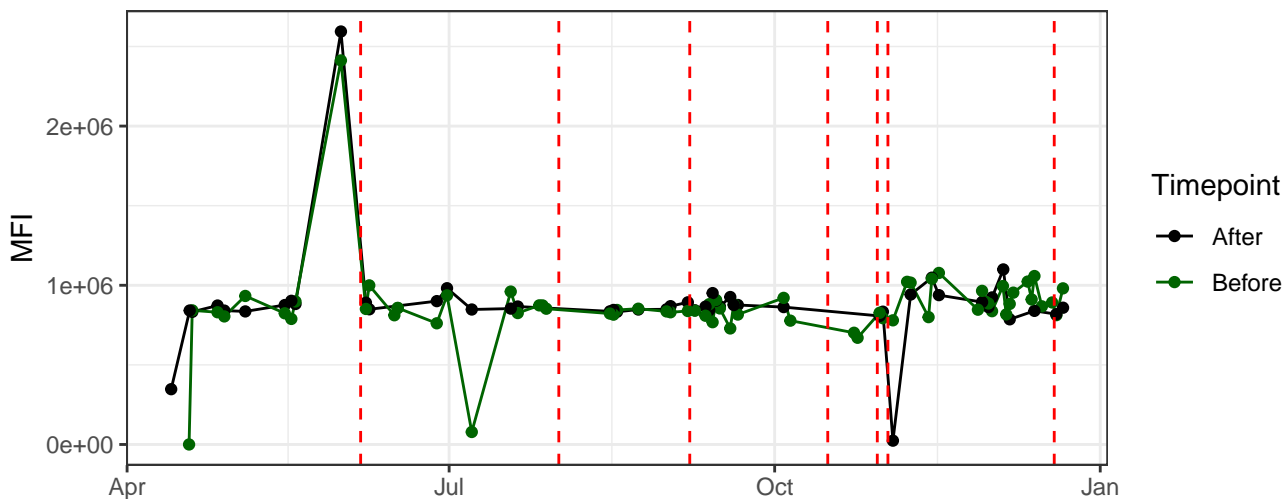
YG6-A



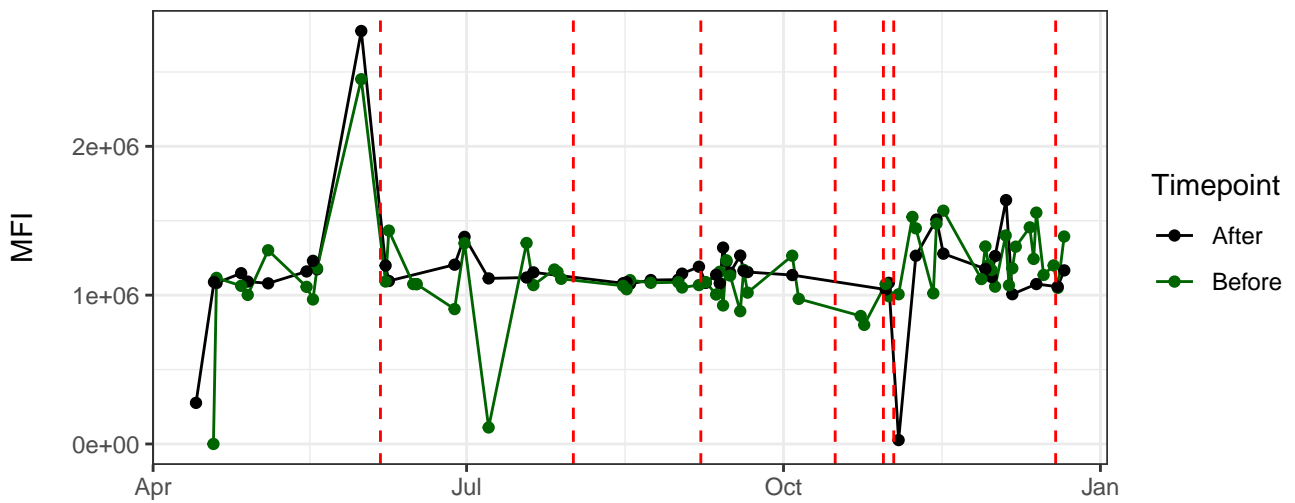
YG7-A



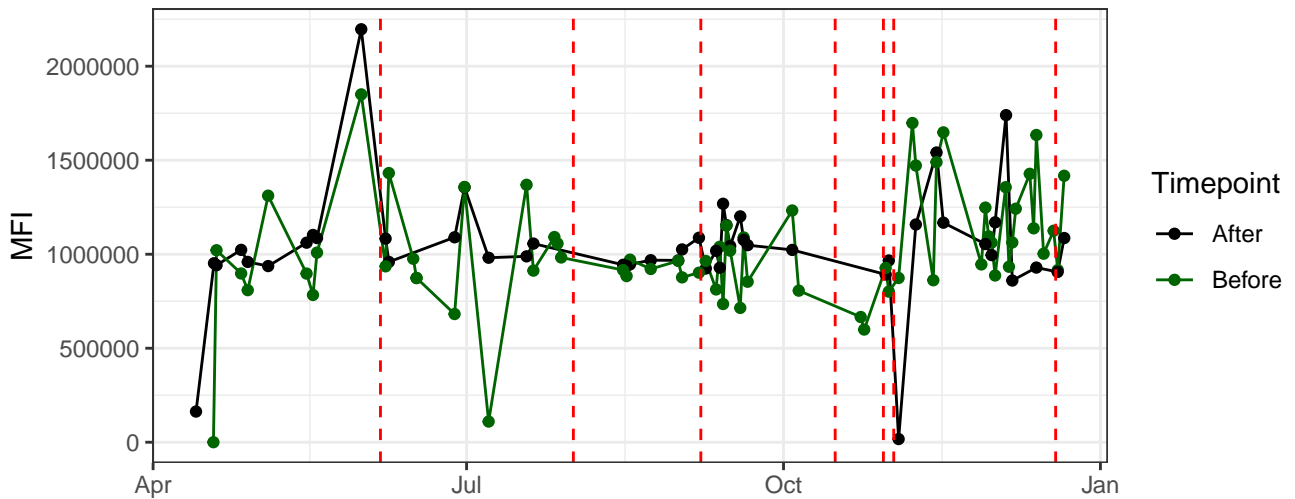
YG8-A



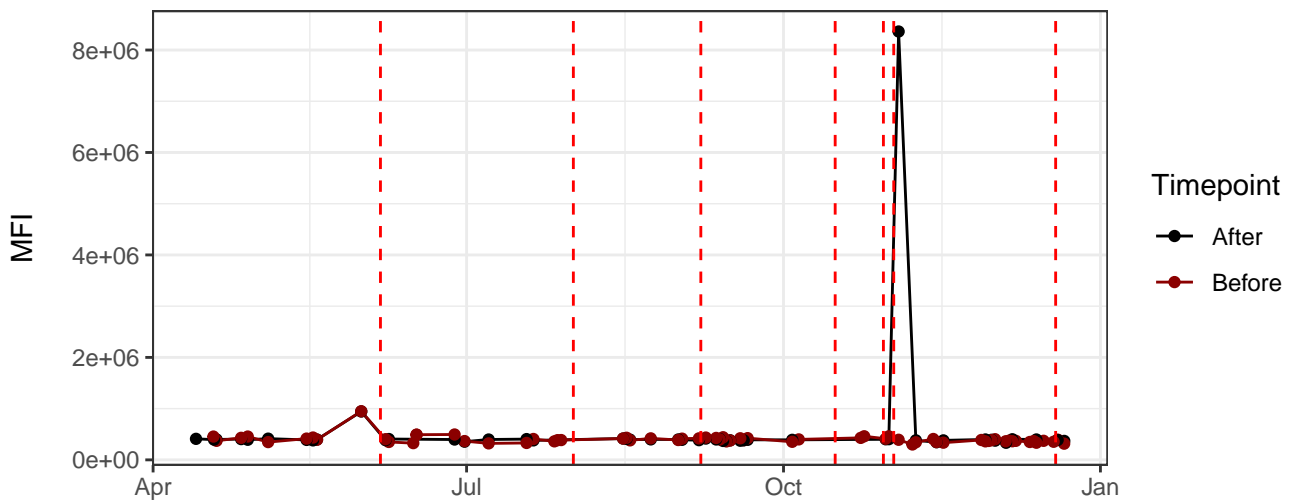
YG9-A



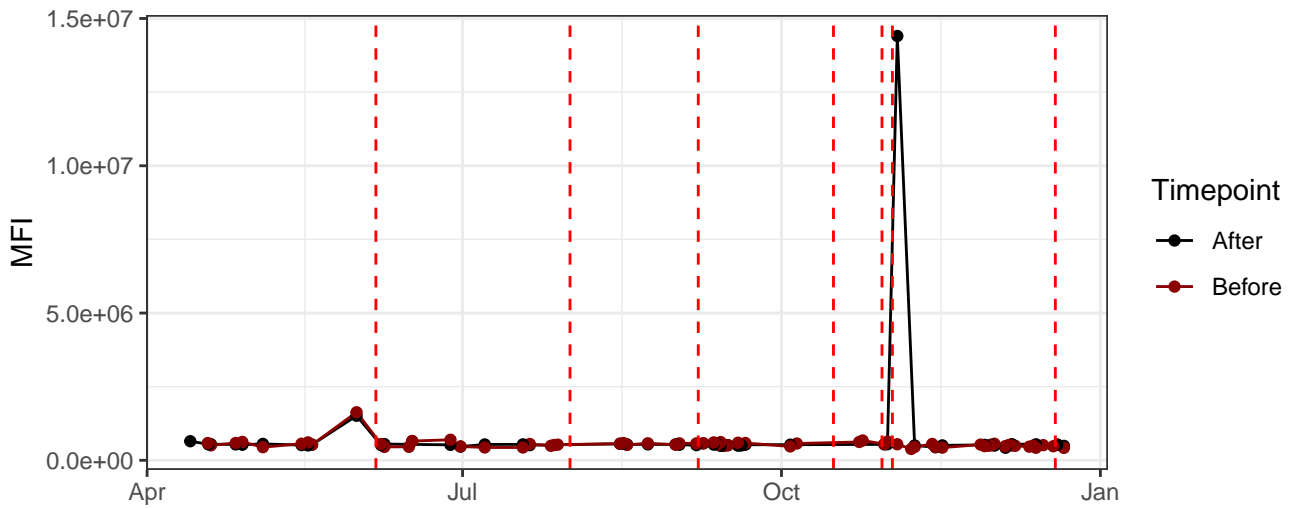
YG10-A



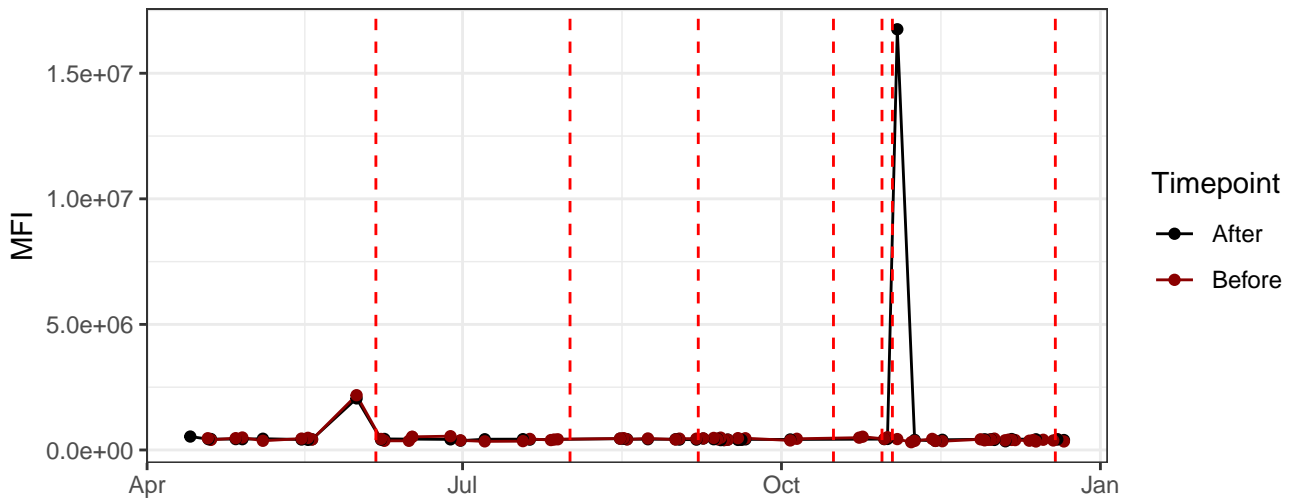
R1-A



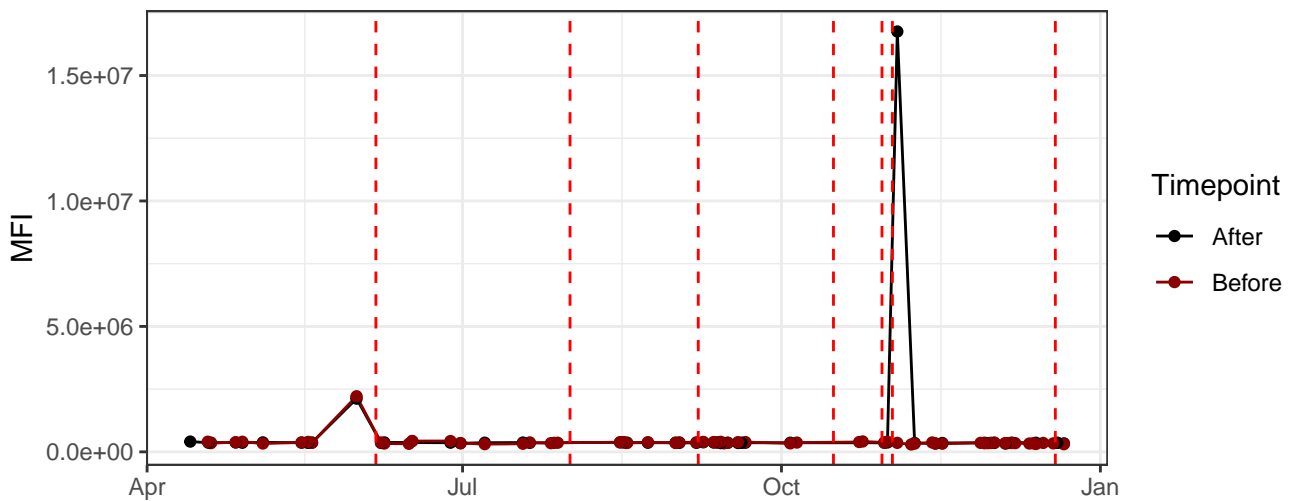
R2-A



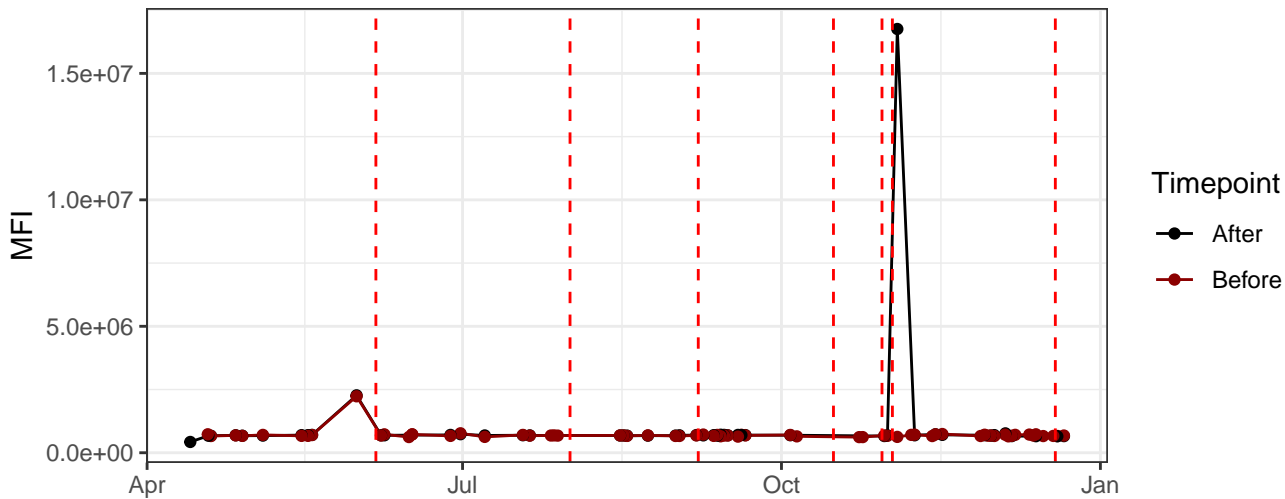
R3-A



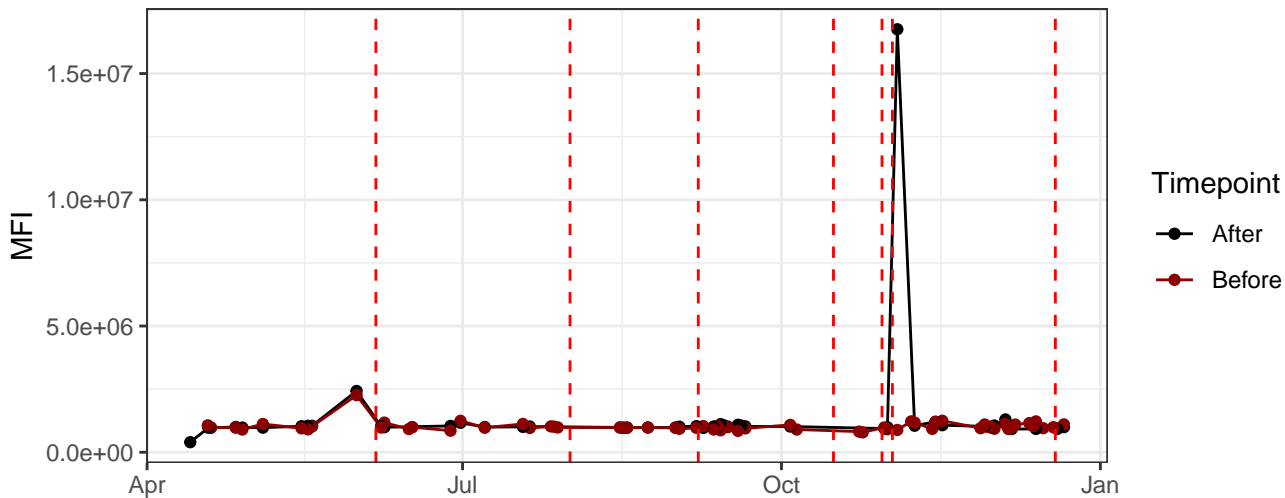
R4-A



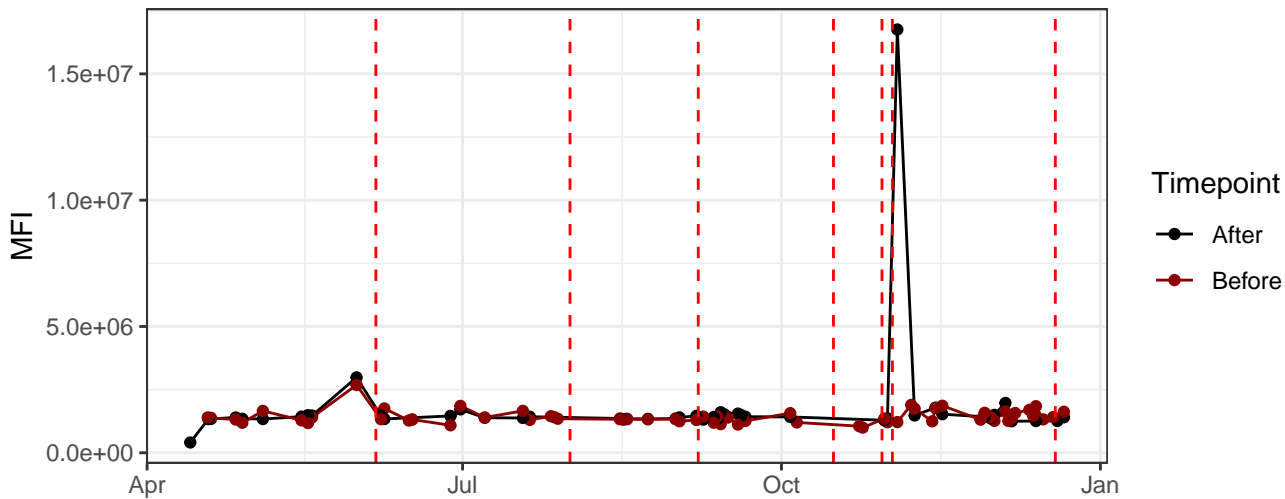
R5-A



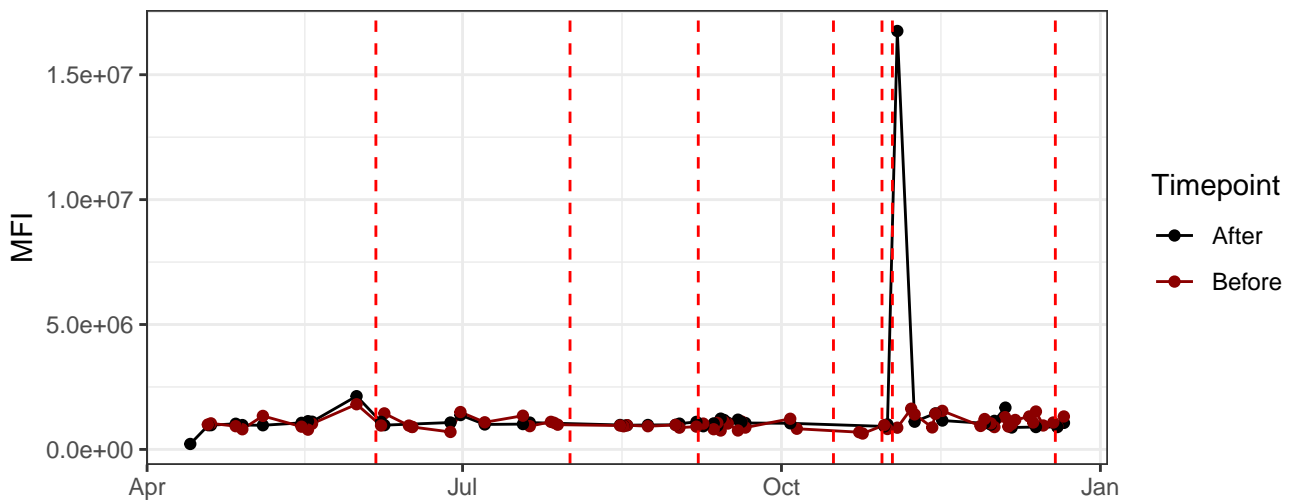
R6-A



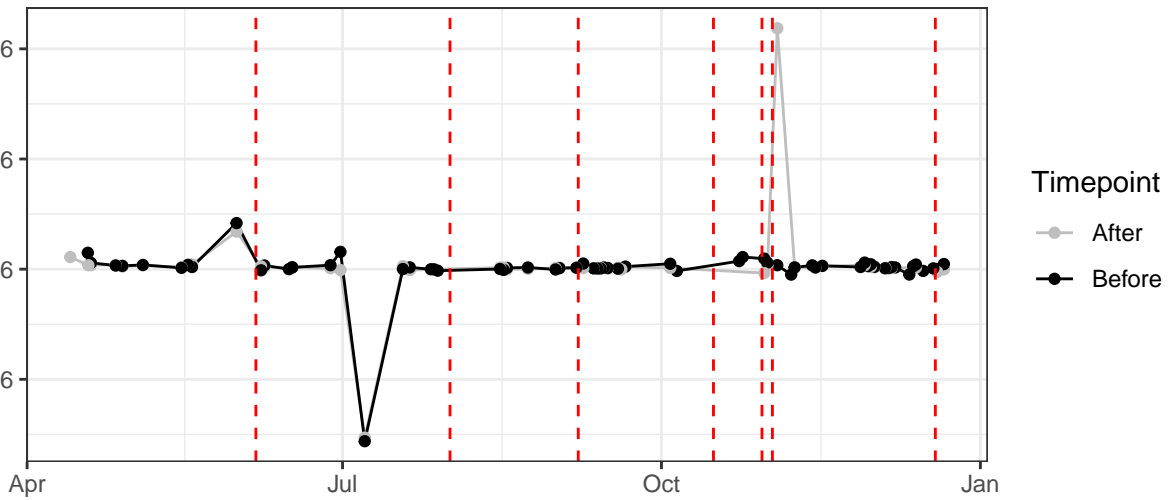
R7-A



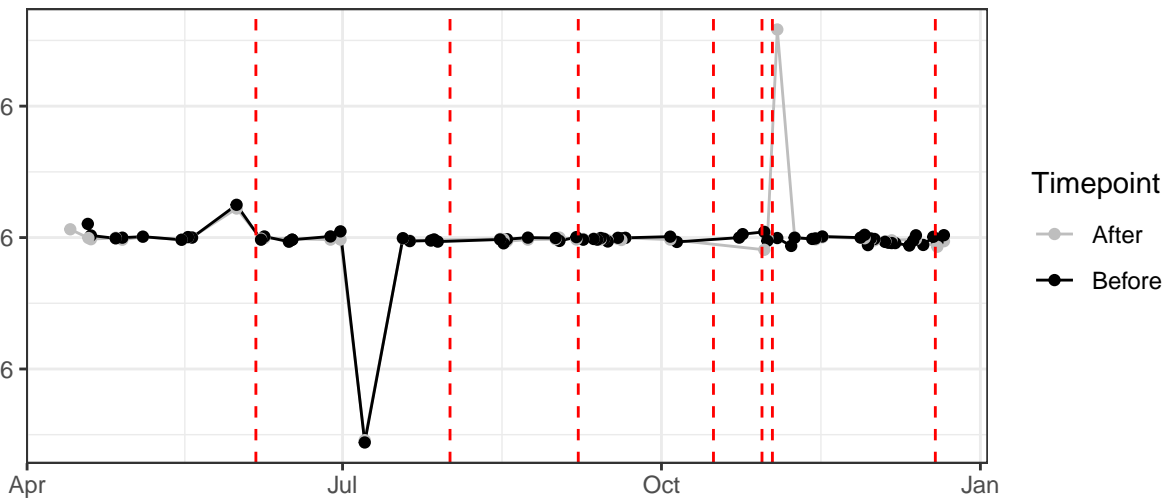
R8-A



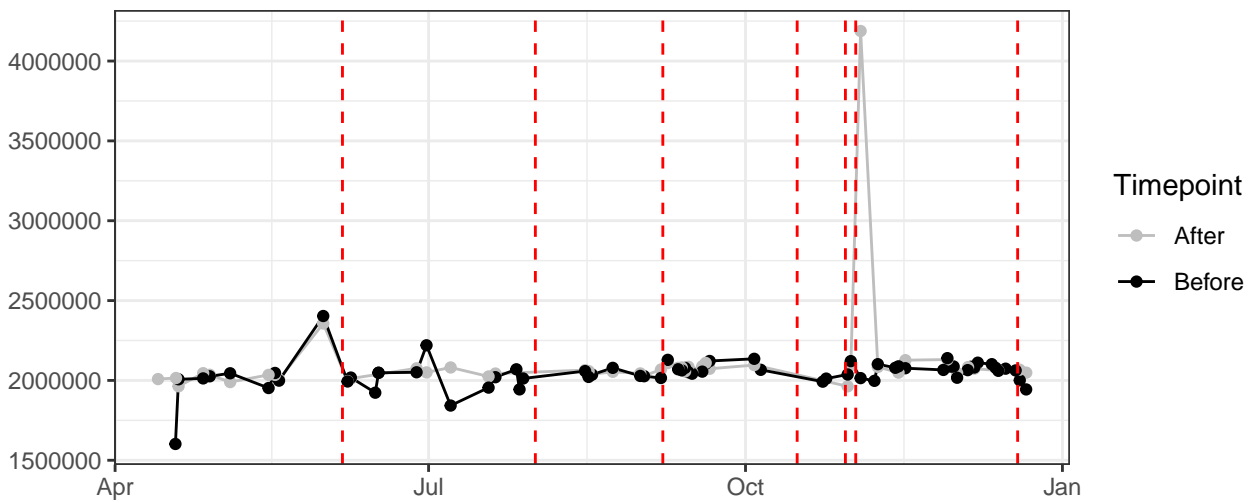
FSC-A



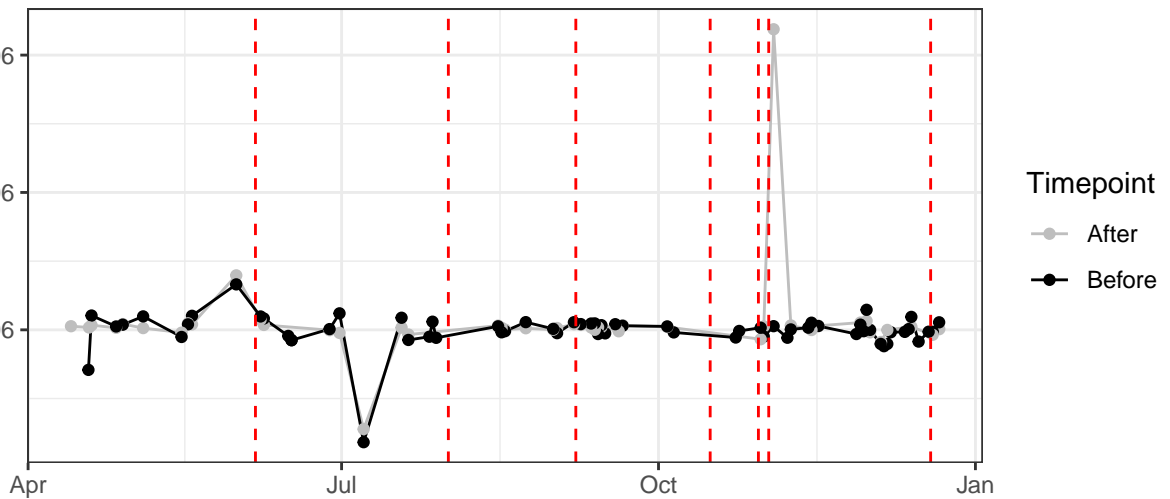
FSC-H



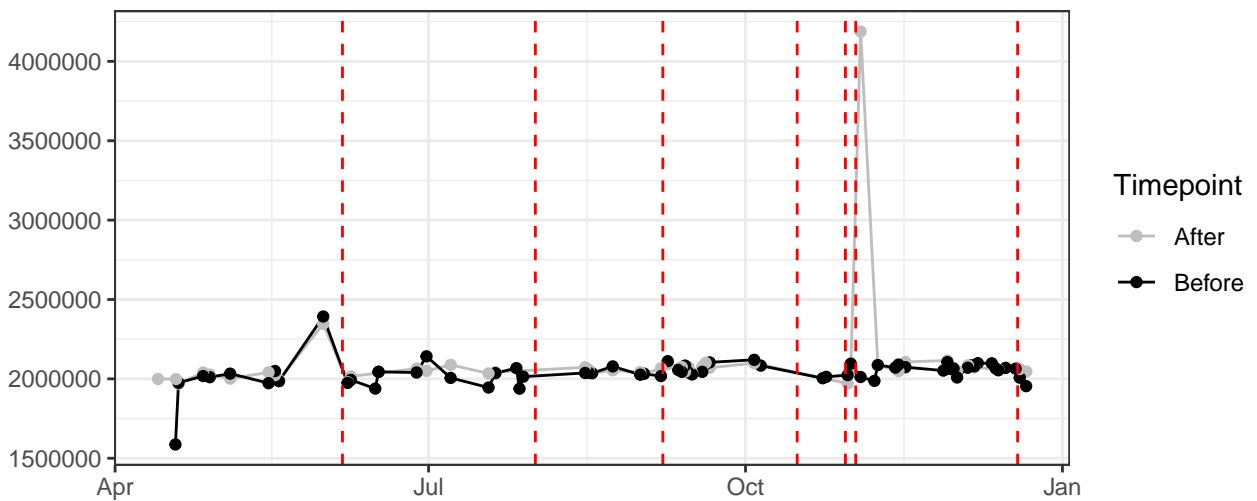
SSC-A



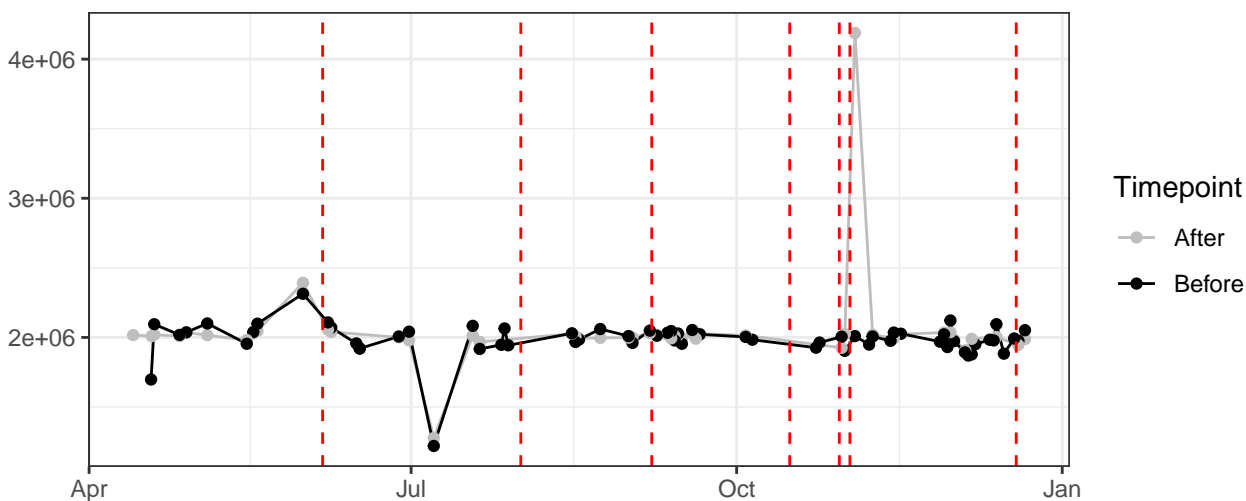
SSC-B-A



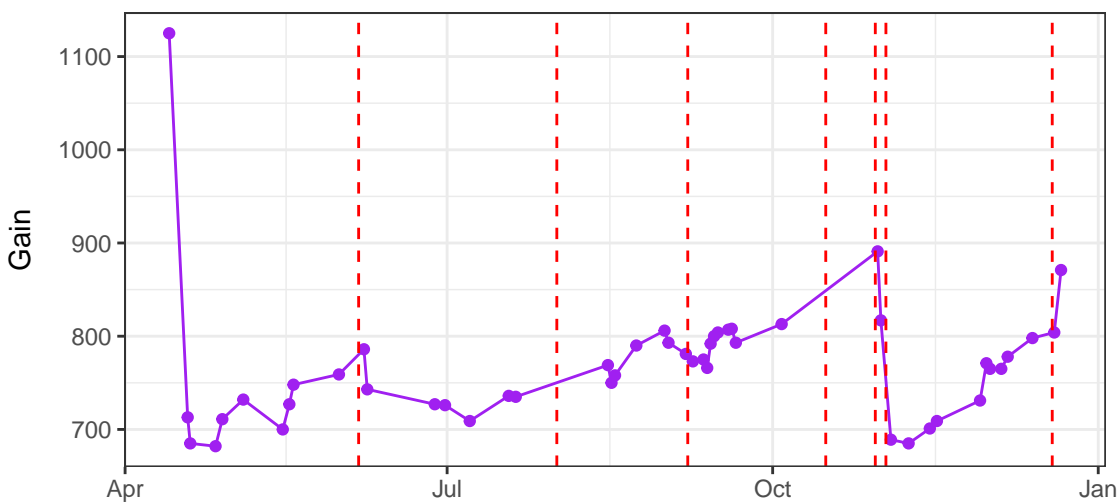
SSC-H



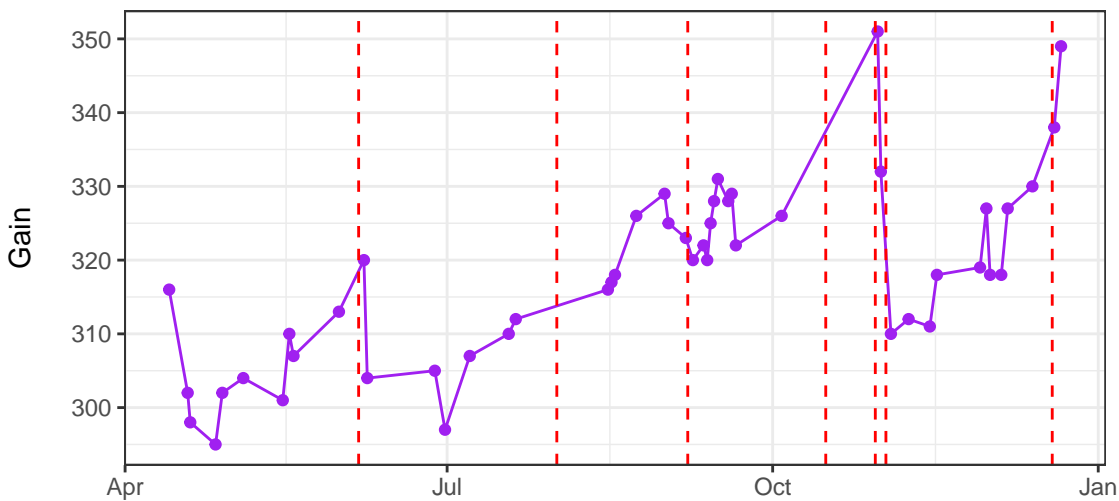
SSC-B-H



UV1-A_Gain

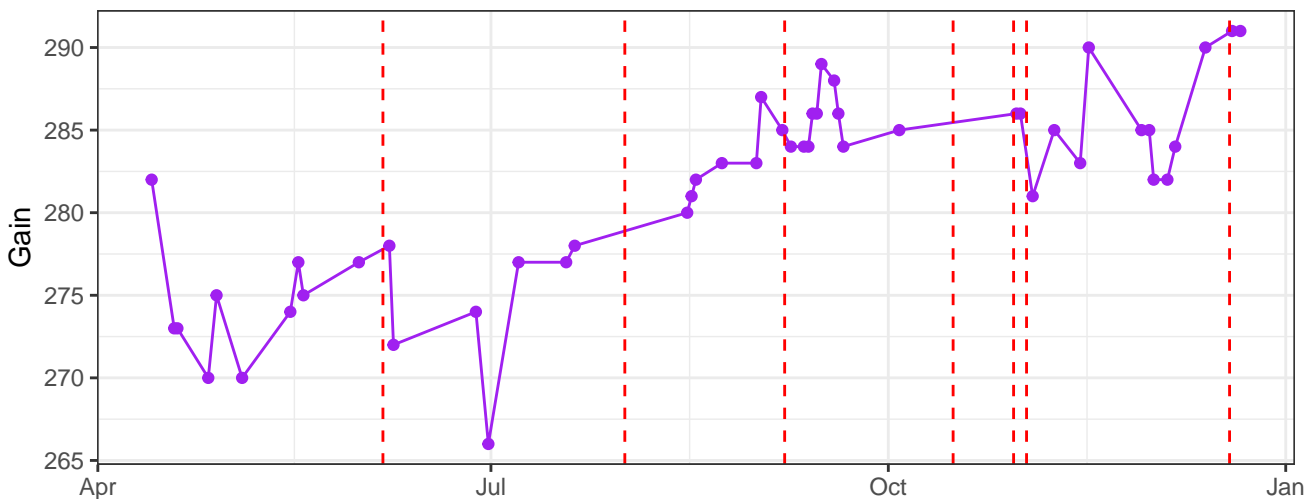


UV2-A_Gain

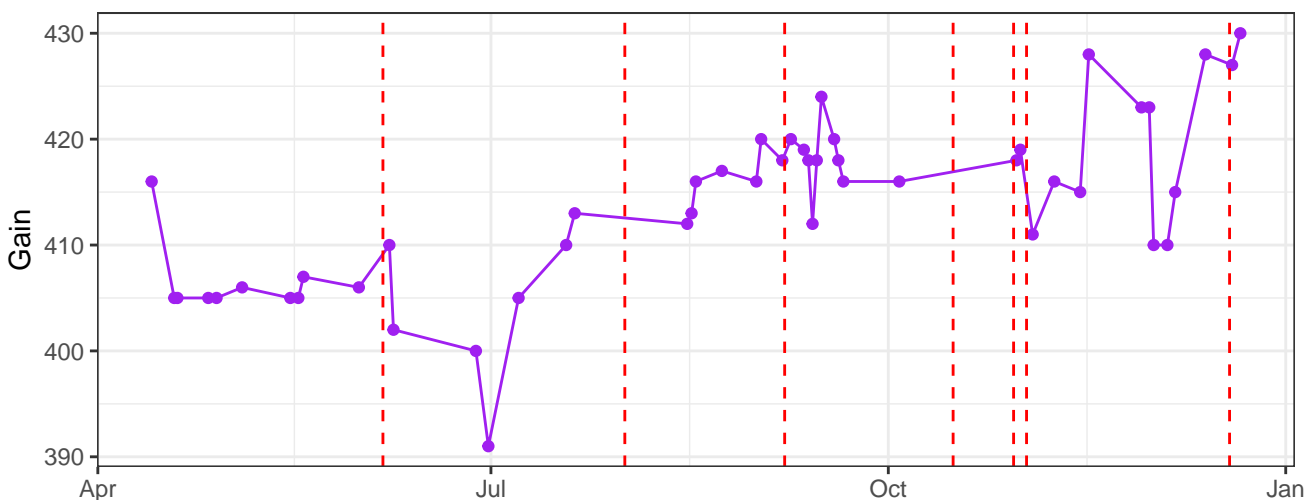


The graph displays the daily count of COVID-19 cases in the United States from April to January. The y-axis is labeled 'Number of cases' and ranges from 0 to 100,000 in increments of 20,000. The x-axis is labeled with months: Apr, Jul, Oct, and Jan. A purple line with circular markers represents the daily case counts. The data shows a period of low activity from April to June, followed by a sharp rise in July. Cases continue to climb through the summer and fall, reaching a peak of nearly 100,000 in late October. After a period of relative stability, there is a significant spike in early November, followed by a decline and then a final rise towards the end of the year. Vertical dashed red lines are drawn at approximately June 1st, August 1st, and November 1st, marking the progression of the pandemic waves.

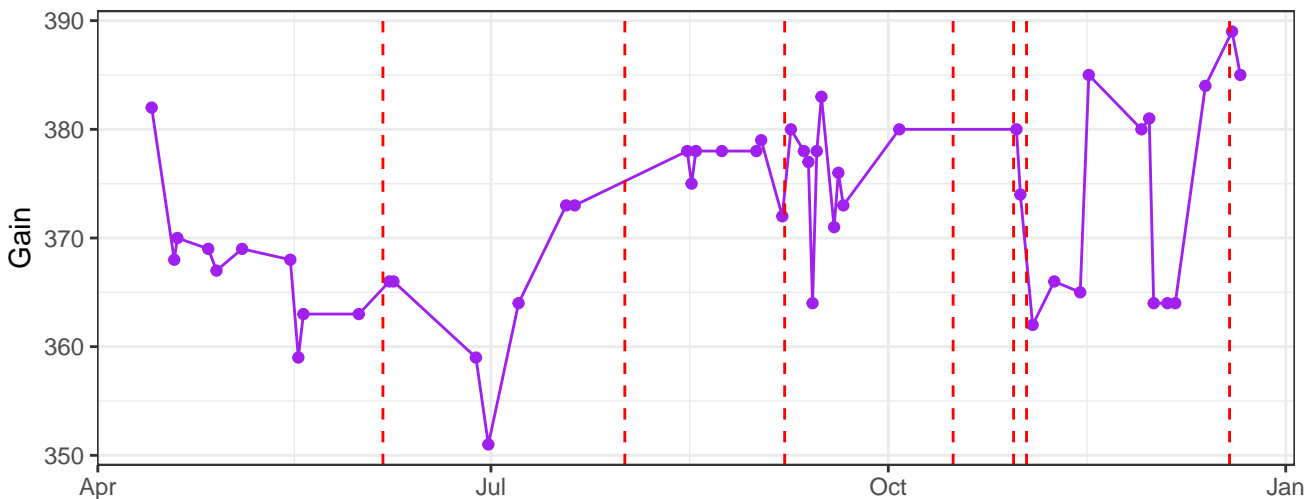
UV6-A_Gain



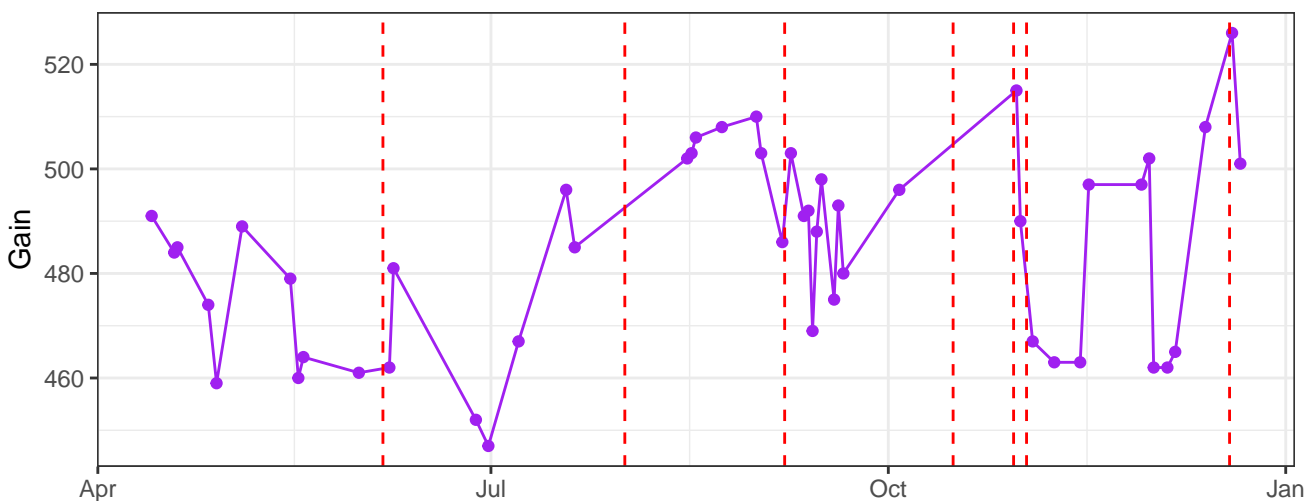
UV7-A_Gain



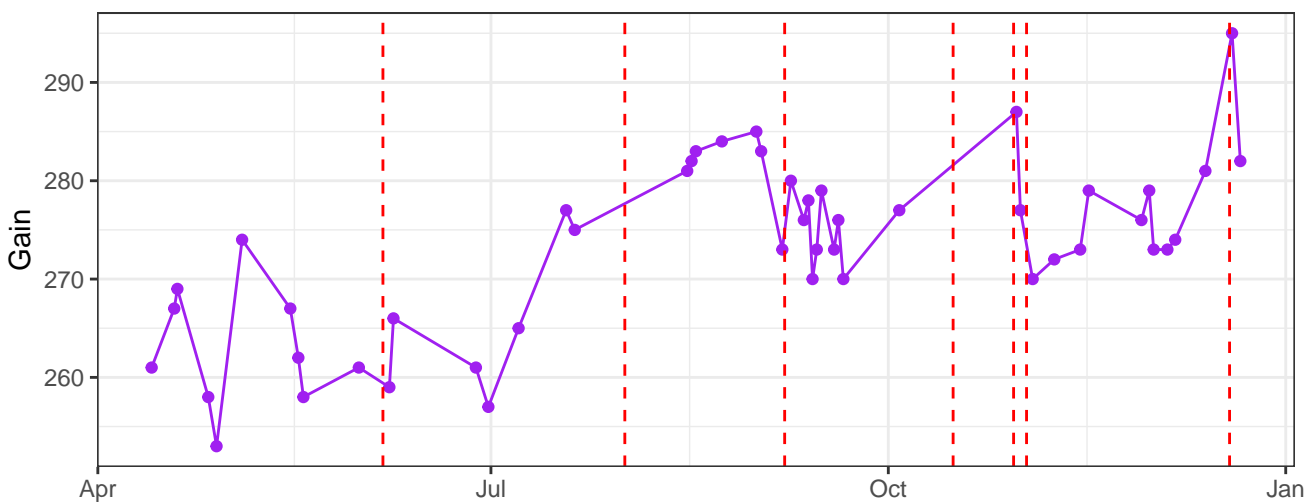
UV8-A_Gain



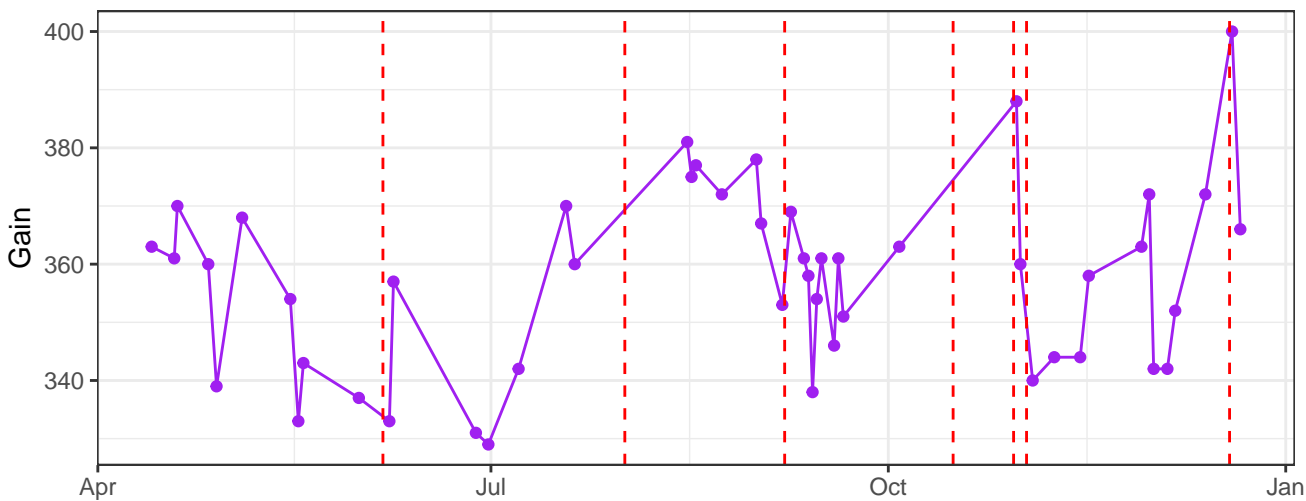
UV9-A_Gain



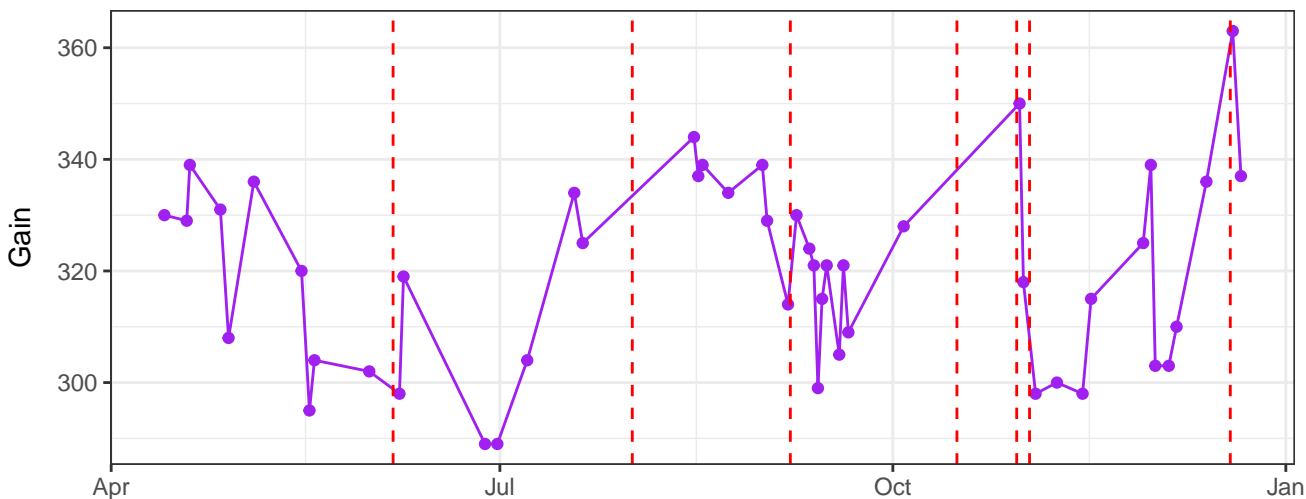
UV10-A_Gain



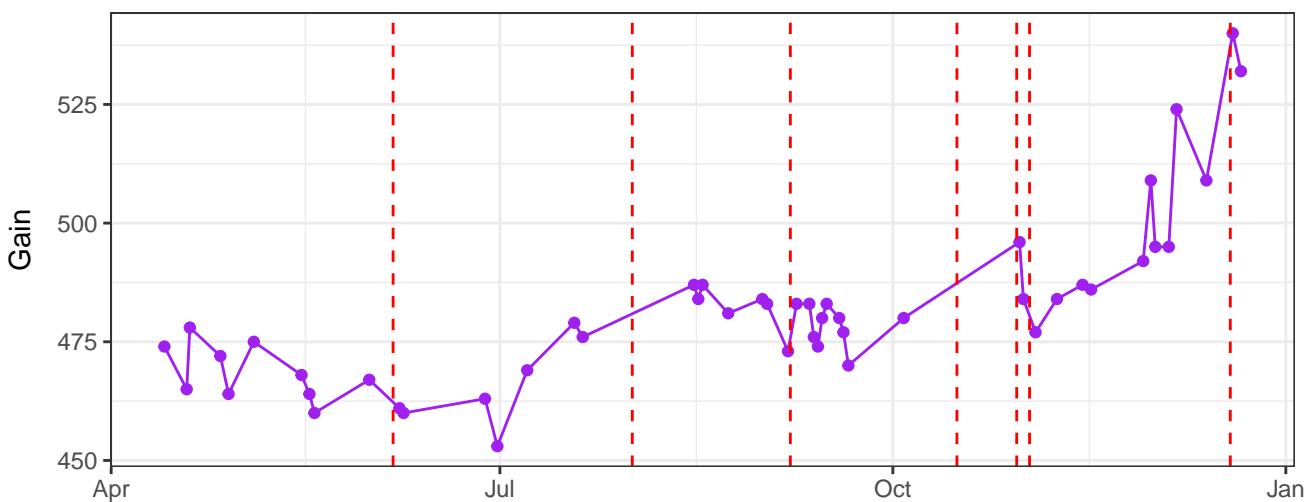
UV11-A_Gain



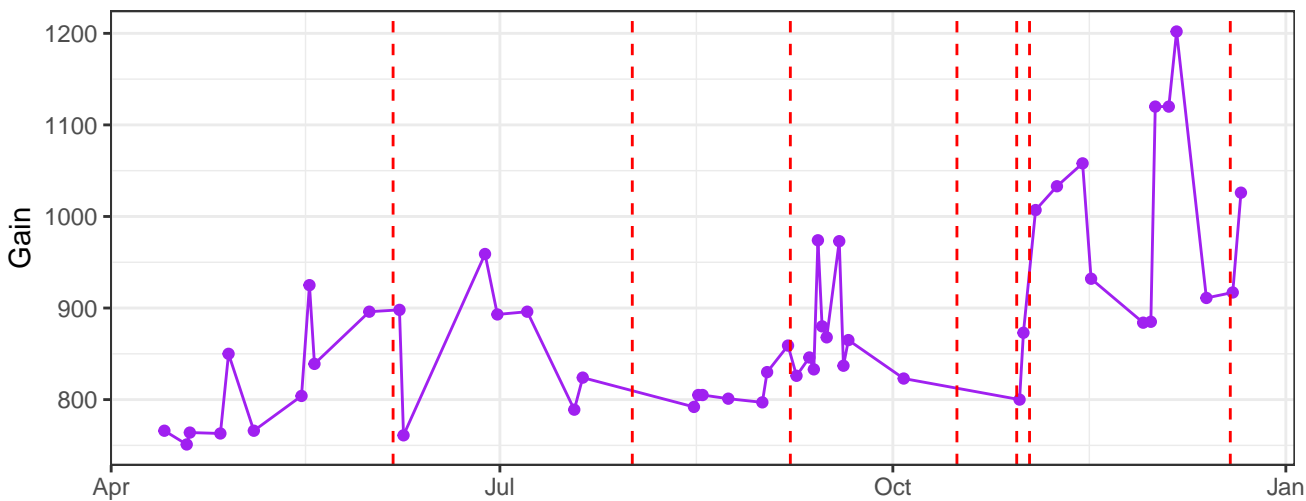
UV12-A_Gain



UV13-A_Gain



UV14-A_Gain



The graph displays the monthly variation of the number of people in the 'In' category. The y-axis represents the number of people, ranging from 0 to 1000. The x-axis shows months from April to January. The data is plotted as a purple line with circular markers at each data point. Vertical dashed red lines are placed at the beginning of each month. The graph shows a general upward trend with significant fluctuations, peaking in January.

| Month | Number of people (approx.) |
|-------|----------------------------|
| Apr | 100 |
| May | 150 |
| Jun | 200 |
| Jul | 300 |
| Aug | 250 |
| Sep | 200 |
| Oct | 150 |
| Nov | 100 |
| Dec | 500 |
| Jan | 800 |

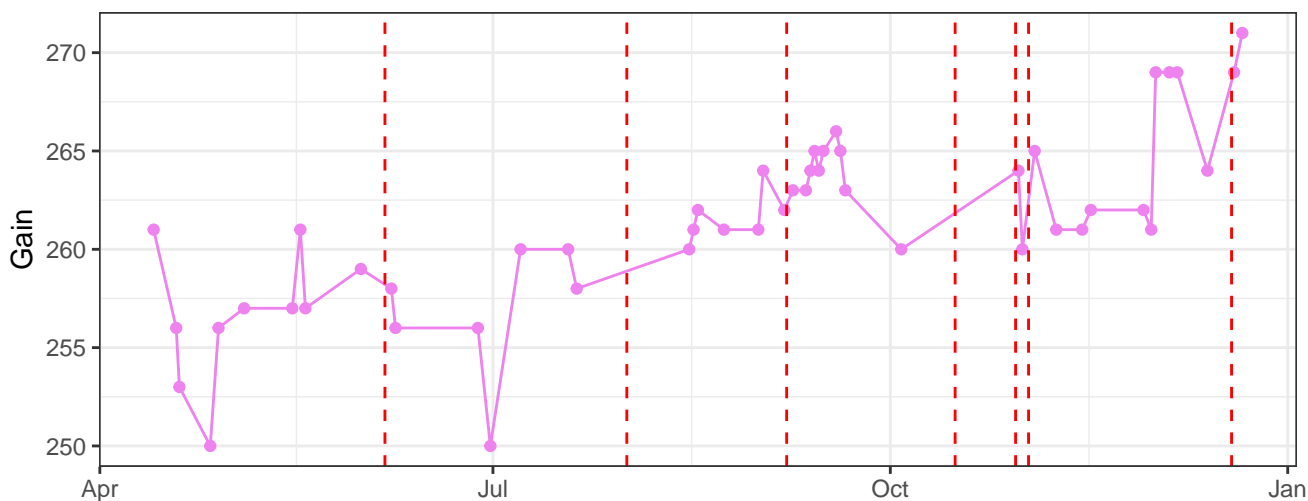
The graph displays the monthly variation of the number of deaths in the United Kingdom from April to January. The x-axis represents time, with labels for April (Apr), July (Jul), October (Oct), and January (Jan). The y-axis represents the number of deaths, with a scale from 0 to 120 in increments of 20. The data is plotted as a purple line with circular markers at each data point. The graph shows a significant peak in late December, reaching over 100 deaths, followed by a sharp decline in January. Vertical dashed red lines indicate the dates of the four lockdowns, which occur at approximately April 23, May 23, June 23, and July 23.

| Month | Day | Deaths |
|-------|-----|--------|
| Apr | 1 | 10 |
| Apr | 5 | 12 |
| Apr | 10 | 11 |
| Apr | 15 | 13 |
| Apr | 20 | 35 |
| Apr | 25 | 10 |
| May | 1 | 15 |
| May | 5 | 55 |
| May | 10 | 35 |
| May | 15 | 45 |
| May | 20 | 50 |
| May | 23 | 50 |
| May | 25 | 10 |
| Jun | 1 | 35 |
| Jun | 5 | 65 |
| Jun | 10 | 50 |
| Jun | 15 | 45 |
| Jun | 20 | 25 |
| Jun | 23 | 20 |
| Jun | 25 | 18 |
| Jun | 28 | 19 |
| Jun | 30 | 17 |
| Jul | 1 | 15 |
| Jul | 5 | 25 |
| Jul | 10 | 20 |
| Jul | 15 | 15 |
| Jul | 20 | 12 |
| Jul | 23 | 10 |
| Jul | 25 | 11 |
| Jul | 28 | 10 |
| Jul | 30 | 55 |
| Jul | 31 | 45 |
| Aug | 1 | 40 |
| Aug | 2 | 65 |
| Aug | 3 | 45 |
| Aug | 4 | 60 |
| Aug | 5 | 40 |
| Aug | 6 | 55 |
| Aug | 7 | 45 |
| Aug | 8 | 55 |
| Aug | 9 | 40 |
| Aug | 10 | 50 |
| Aug | 11 | 45 |
| Aug | 12 | 40 |
| Aug | 13 | 35 |
| Aug | 14 | 30 |
| Aug | 15 | 28 |
| Aug | 16 | 25 |
| Aug | 17 | 22 |
| Aug | 18 | 20 |
| Aug | 19 | 18 |
| Aug | 20 | 15 |
| Aug | 21 | 12 |
| Aug | 22 | 10 |
| Aug | 23 | 8 |
| Aug | 24 | 5 |
| Aug | 25 | 3 |
| Aug | 26 | 2 |
| Aug | 27 | 1 |
| Aug | 28 | 0 |
| Aug | 29 | 0 |
| Aug | 30 | 0 |
| Aug | 31 | 0 |
| Sep | 1 | 0 |
| Sep | 2 | 0 |
| Sep | 3 | 0 |
| Sep | 4 | 0 |
| Sep | 5 | 0 |
| Sep | 6 | 0 |
| Sep | 7 | 0 |
| Sep | 8 | 0 |
| Sep | 9 | 0 |
| Sep | 10 | 0 |
| Sep | 11 | 0 |
| Sep | 12 | 0 |
| Sep | 13 | 0 |
| Sep | 14 | 0 |
| Sep | 15 | 0 |
| Sep | 16 | 0 |
| Sep | 17 | 0 |
| Sep | 18 | 0 |
| Sep | 19 | 0 |
| Sep | 20 | 0 |
| Sep | 21 | 0 |
| Sep | 22 | 0 |
| Sep | 23 | 0 |
| Sep | 24 | 0 |
| Sep | 25 | 0 |
| Sep | 26 | 0 |
| Sep | 27 | 0 |
| Sep | 28 | 0 |
| Sep | 29 | 0 |
| Sep | 30 | 0 |
| Sep | 31 | 0 |
| Oct | 1 | 0 |
| Oct | 2 | 0 |
| Oct | 3 | 0 |
| Oct | 4 | 0 |
| Oct | 5 | 0 |
| Oct | 6 | 0 |
| Oct | 7 | 0 |
| Oct | 8 | 0 |
| Oct | 9 | 0 |
| Oct | 10 | 0 |
| Oct | 11 | 0 |
| Oct | 12 | 0 |
| Oct | 13 | 0 |
| Oct | 14 | 0 |
| Oct | 15 | 0 |
| Oct | 16 | 0 |
| Oct | 17 | 0 |
| Oct | 18 | 0 |
| Oct | 19 | 0 |
| Oct | 20 | 0 |
| Oct | 21 | 0 |
| Oct | 22 | 0 |
| Oct | 23 | 0 |
| Oct | 24 | 0 |
| Oct | 25 | 0 |
| Oct | 26 | 0 |
| Oct | 27 | 0 |
| Oct | 28 | 0 |
| Oct | 29 | 0 |
| Oct | 30 | 0 |
| Oct | 31 | 0 |
| Nov | 1 | 0 |
| Nov | 2 | 0 |
| Nov | 3 | 0 |
| Nov | 4 | 0 |
| Nov | 5 | 0 |
| Nov | 6 | 0 |
| Nov | 7 | 0 |
| Nov | 8 | 0 |
| Nov | 9 | 0 |
| Nov | 10 | 0 |
| Nov | 11 | 0 |
| Nov | 12 | 0 |
| Nov | 13 | 0 |
| Nov | 14 | 0 |
| Nov | 15 | 0 |
| Nov | 16 | 0 |
| Nov | 17 | 0 |
| Nov | 18 | 0 |
| Nov | 19 | 0 |
| Nov | 20 | 0 |
| Nov | 21 | 0 |
| Nov | 22 | 0 |
| Nov | 23 | 0 |
| Nov | 24 | 0 |
| Nov | 25 | 0 |
| Nov | 26 | 0 |
| Nov | 27 | 0 |
| Nov | 28 | 0 |
| Nov | 29 | 0 |
| Nov | 30 | 0 |
| Nov | 31 | 0 |
| Dec | 1 | 0 |
| Dec | 2 | 0 |
| Dec | 3 | 0 |
| Dec | | |

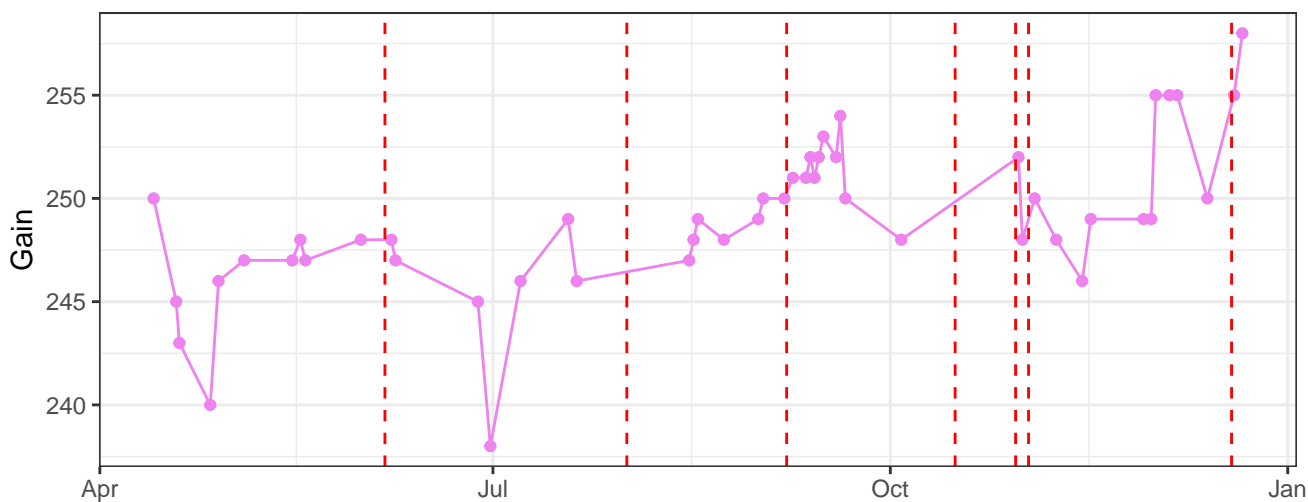
The graph displays the monthly variation of the number of deaths in the United Kingdom from April to January. The y-axis represents the number of deaths, ranging from 0 to 10,000. The x-axis shows the months from April to January. The graph shows a significant peak in deaths in April, followed by a sharp decline and then a steady increase through the summer and autumn months, peaking again in January.

| Month | Number of Deaths (approx.) |
|-------|----------------------------|
| Apr | 8,500 |
| May | 4,500 |
| Jun | 3,500 |
| Jul | 2,500 |
| Aug | 4,500 |
| Sep | 4,000 |
| Oct | 5,000 |
| Nov | 6,000 |
| Dec | 9,500 |
| Jan | 10,000 |

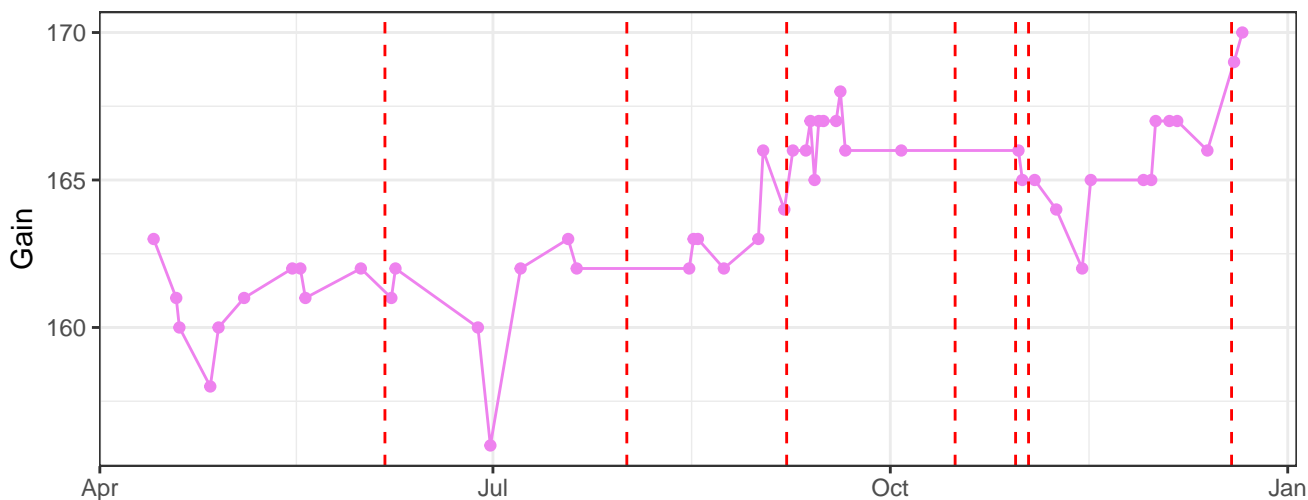
V2-A_Gain



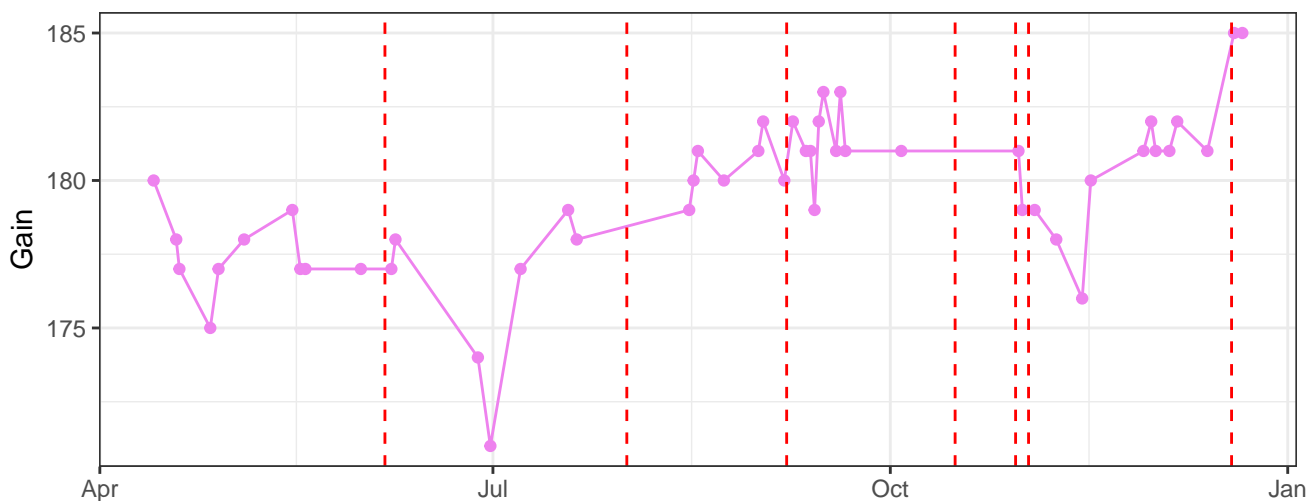
V3-A_Gain



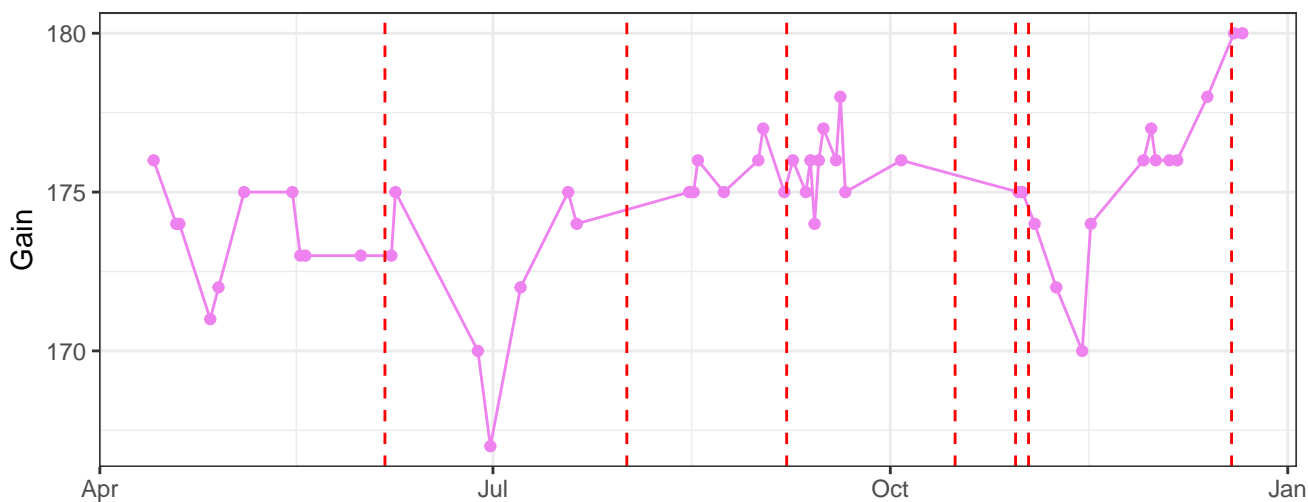
V4-A_Gain



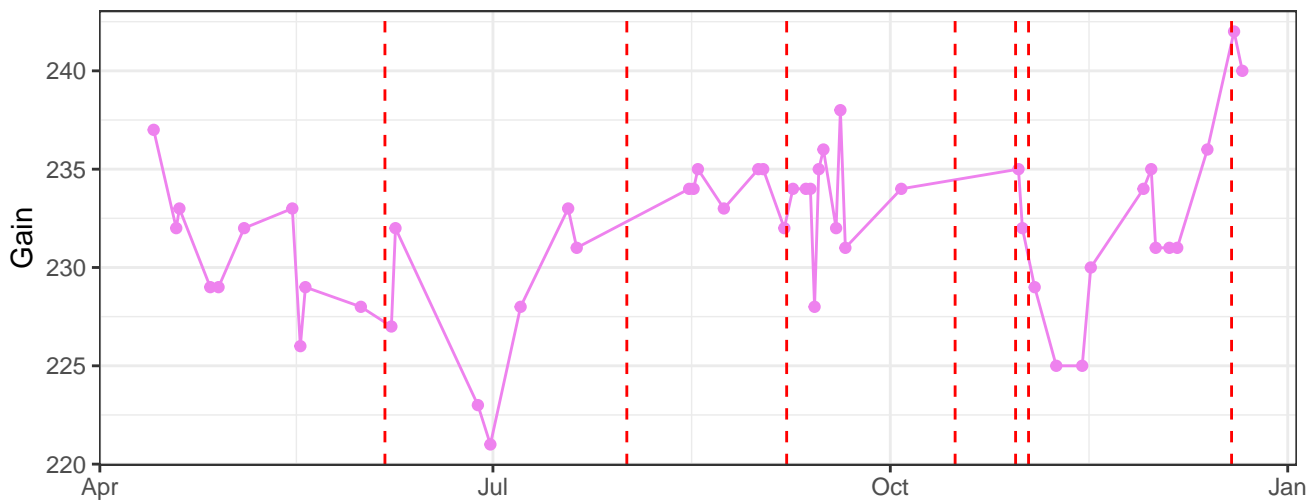
V5-A_Gain



V6-A_Gain



V7-A_Gain



The graph displays the performance of the proposed algorithm over time. The gain starts around 324 in April, drops to a low of approximately 297 in July, and then rises to a peak of about 334 in January. The data points are connected by a solid blue line, and vertical dashed red lines mark specific time intervals.

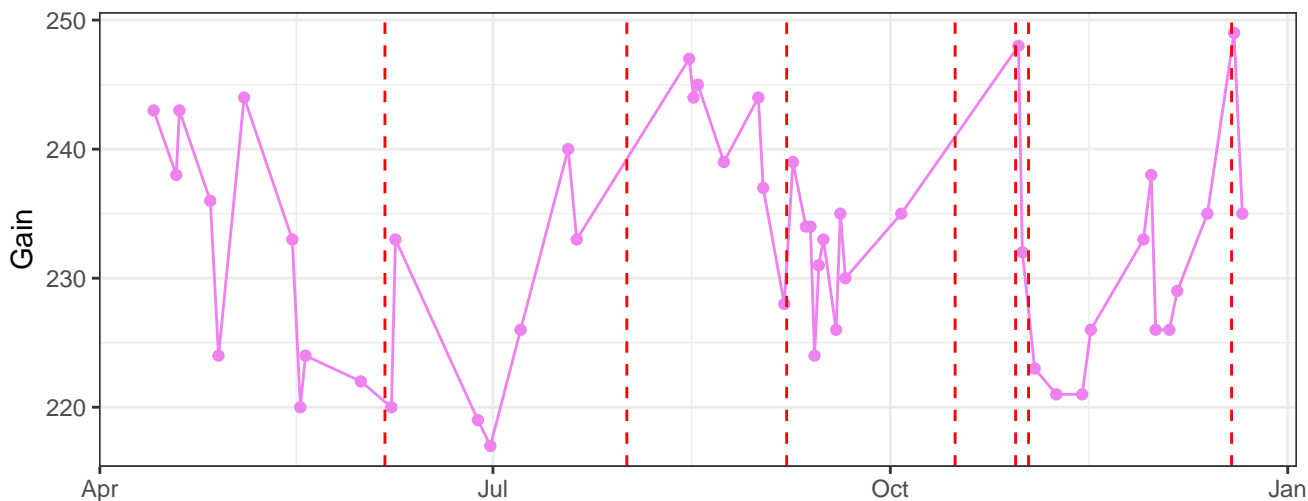
| Time | Gain |
|--------|------|
| Apr 1 | 324 |
| Apr 2 | 319 |
| Apr 3 | 322 |
| Apr 4 | 314 |
| Apr 5 | 304 |
| Apr 6 | 323 |
| Apr 7 | 317 |
| Apr 8 | 302 |
| Apr 9 | 306 |
| Apr 10 | 303 |
| Apr 11 | 303 |
| Apr 12 | 318 |
| Apr 13 | 310 |
| Apr 14 | 312 |
| Apr 15 | 312 |
| Apr 16 | 312 |
| Apr 17 | 323 |
| Apr 18 | 325 |
| Apr 19 | 322 |
| Apr 20 | 325 |
| Apr 21 | 311 |
| Apr 22 | 321 |
| Apr 23 | 315 |
| Apr 24 | 304 |
| Apr 25 | 317 |
| Apr 26 | 306 |
| Apr 27 | 317 |
| Apr 28 | 317 |
| Apr 29 | 317 |
| Apr 30 | 304 |
| Apr 31 | 304 |
| Apr 32 | 304 |
| Apr 33 | 321 |
| Apr 34 | 304 |
| Apr 35 | 304 |
| Apr 36 | 304 |
| Apr 37 | 316 |
| Apr 38 | 321 |
| Apr 39 | 334 |
| Apr 40 | 319 |

The graph displays the performance of the proposed algorithm over time. The gain starts around 273 in April, fluctuates, and reaches a low of approximately 265 in May. It then rises to a peak of about 284 in June, followed by a sharp drop to 268 in July. The gain continues to fluctuate, with a significant peak of nearly 295 in late December, before ending at approximately 286 in January. Vertical dashed red lines are placed at various intervals along the x-axis.

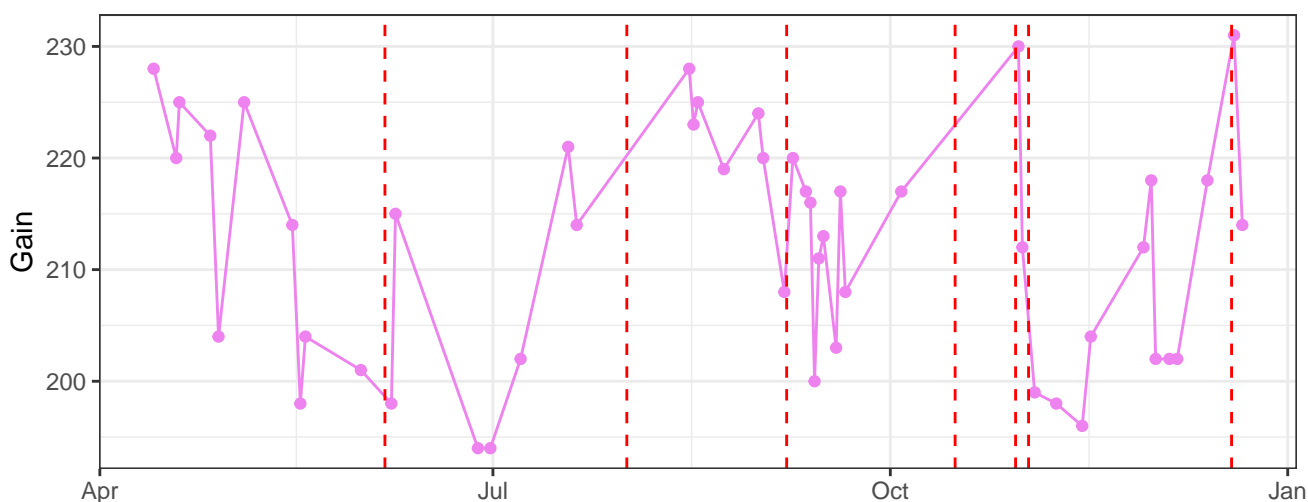
The graph displays the performance of the proposed algorithm over time. The gain starts around 281 in April, fluctuates, and then shows a general upward trend starting in July. It reaches a peak of approximately 298 in late October, followed by a sharp drop to around 287 in early November. The gain then recovers, reaching its highest point of over 300 in late December.

| Time | Gain |
|--------|------|
| Apr 1 | 281 |
| Apr 10 | 286 |
| Apr 20 | 288 |
| Apr 30 | 279 |
| May 10 | 275 |
| May 20 | 292 |
| May 30 | 286 |
| Jun 10 | 281 |
| Jun 20 | 278 |
| Jun 30 | 281 |
| Jul 10 | 277 |
| Jul 20 | 283 |
| Jul 30 | 290 |
| Aug 10 | 287 |
| Aug 20 | 295 |
| Aug 30 | 298 |
| Sep 10 | 295 |
| Sep 20 | 298 |
| Sep 30 | 290 |
| Oct 10 | 296 |
| Oct 20 | 295 |
| Oct 30 | 298 |
| Nov 10 | 287 |
| Nov 20 | 286 |
| Nov 30 | 288 |
| Dec 10 | 287 |
| Dec 20 | 286 |
| Dec 30 | 295 |
| Jan 10 | 295 |
| Jan 20 | 293 |
| Jan 30 | 305 |
| Feb 10 | 298 |

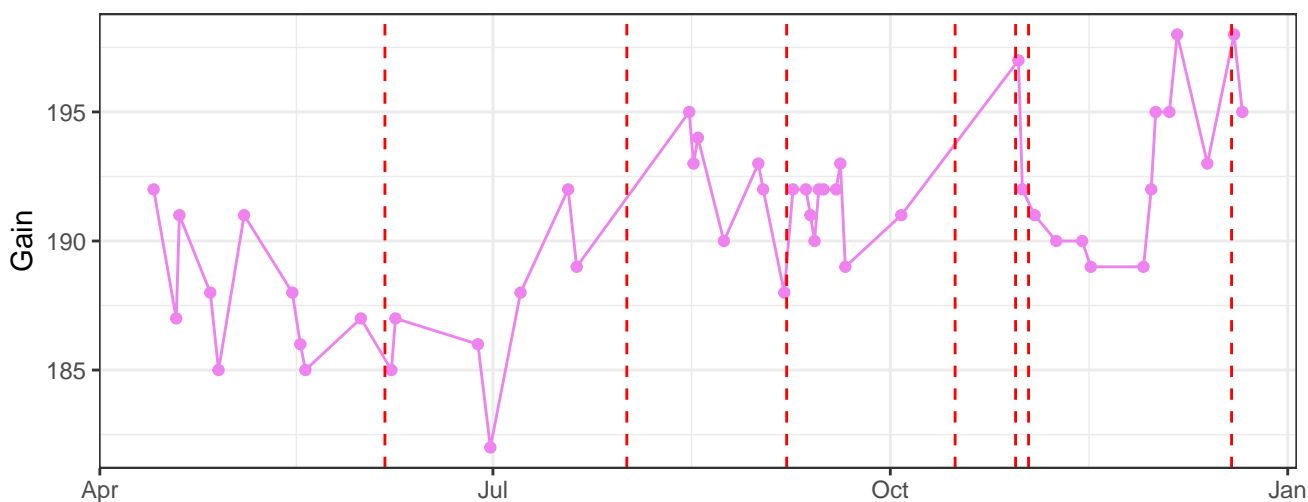
V11-A_Gain



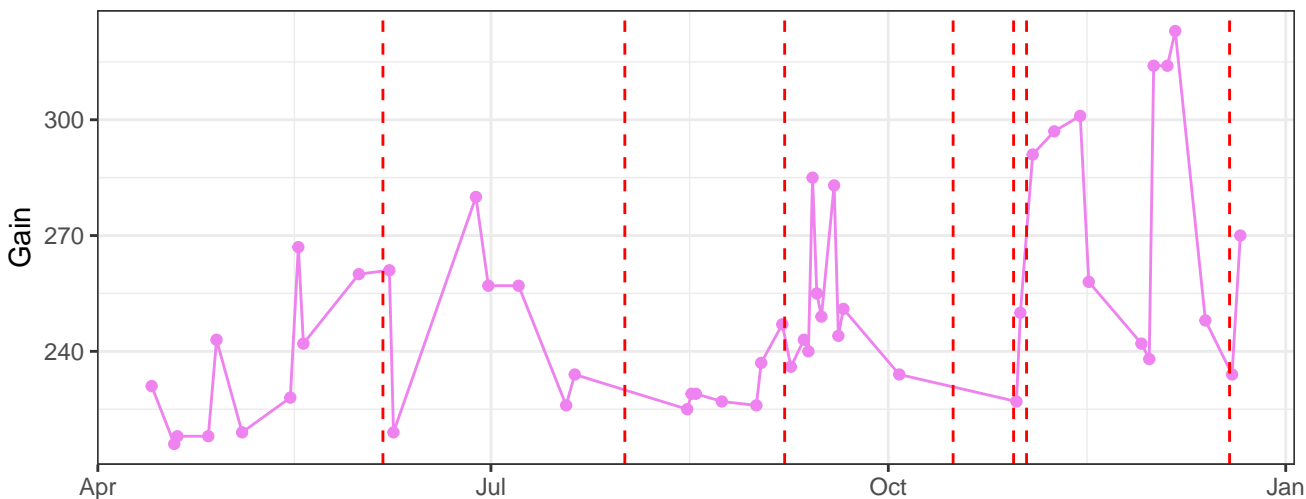
V12-A_Gain



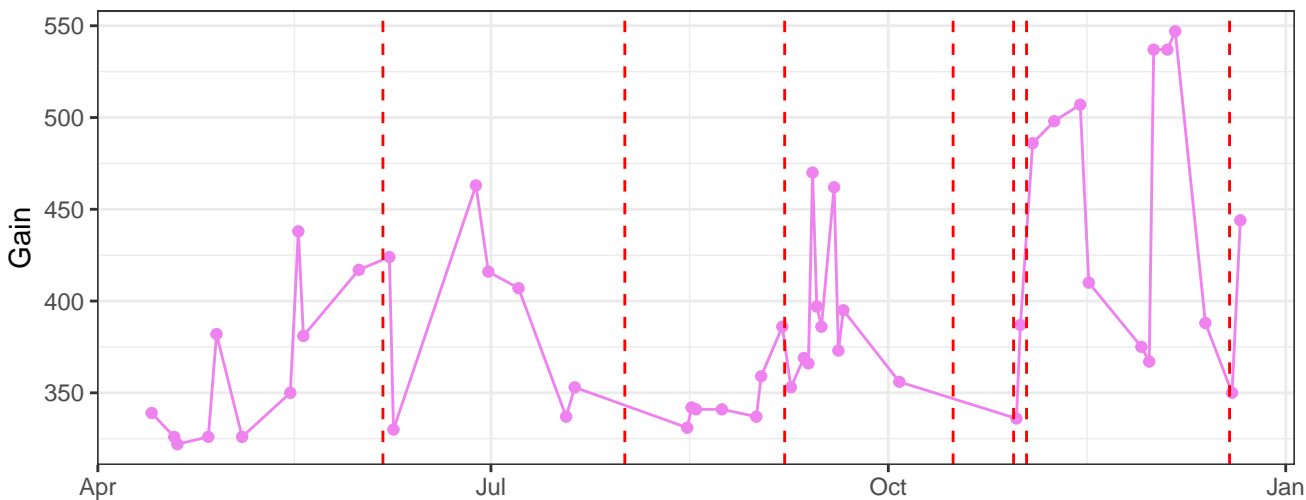
V13-A_Gain



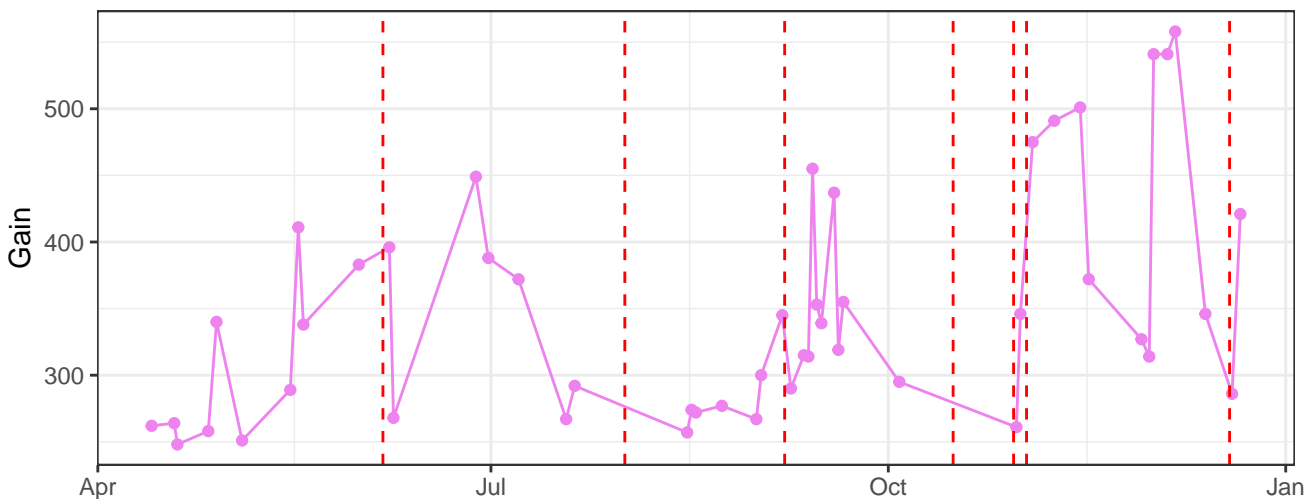
V14-A_Gain



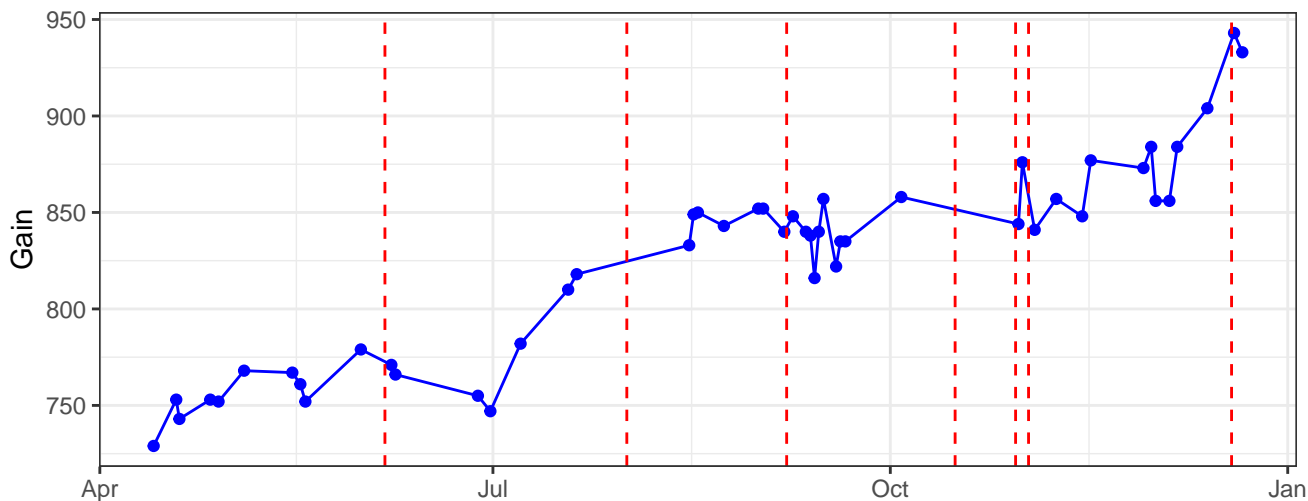
V15-A_Gain



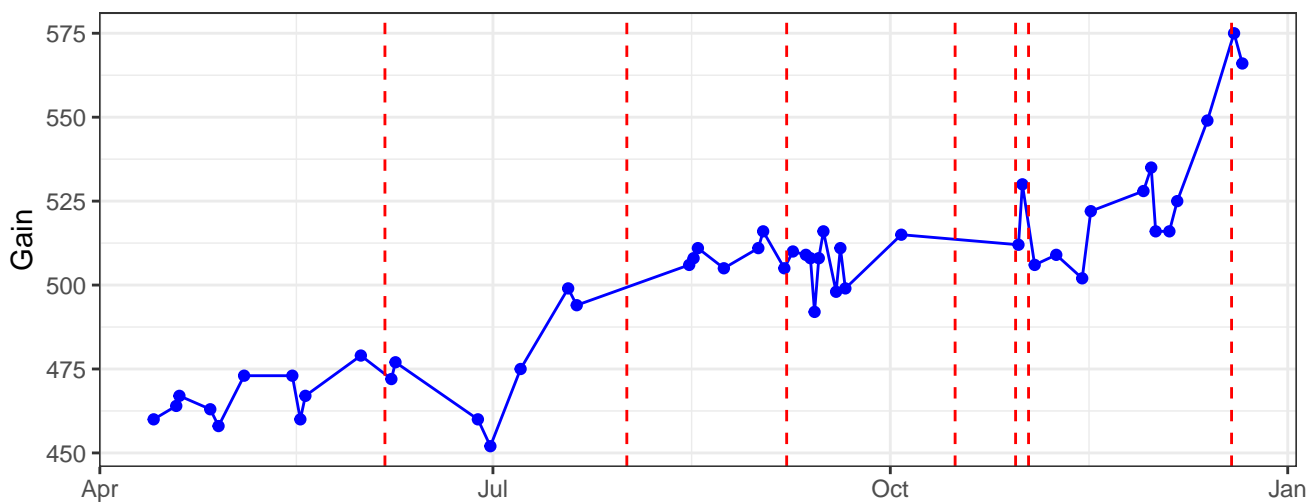
V16-A_Gain



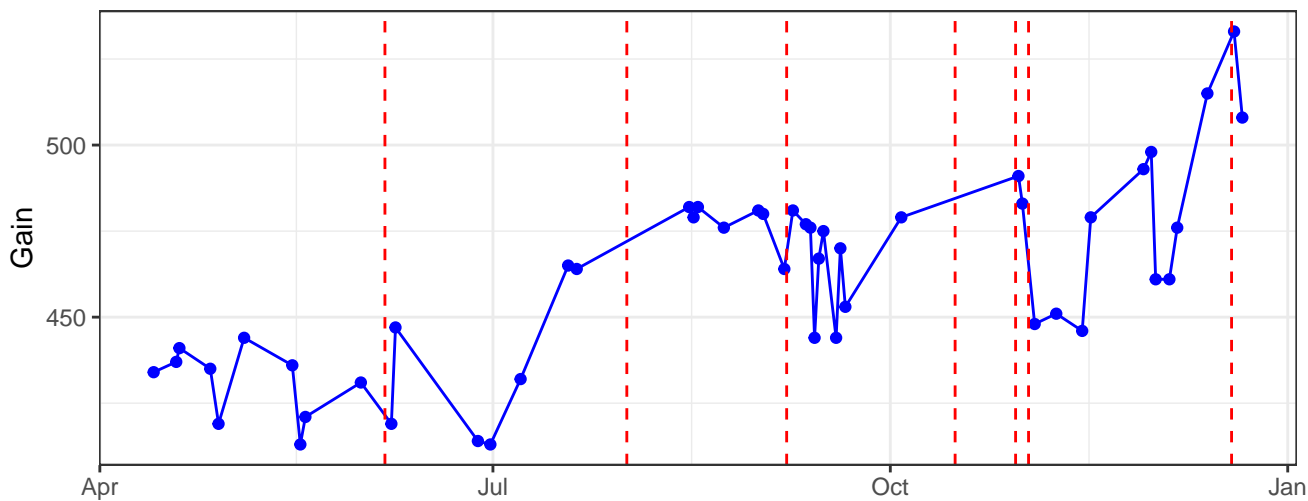
B1-A_Gain



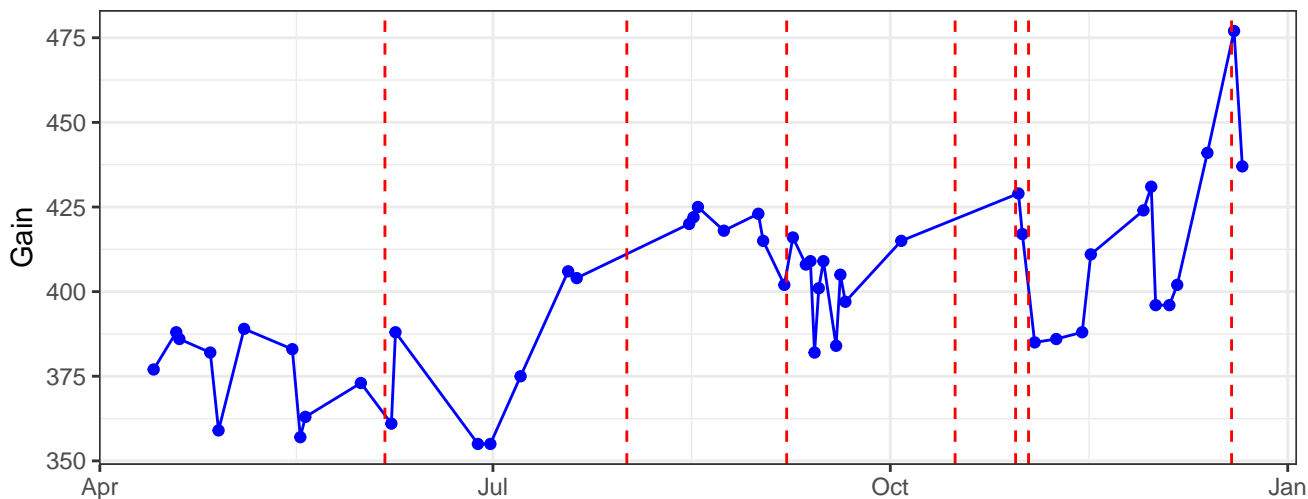
B2-A_Gain



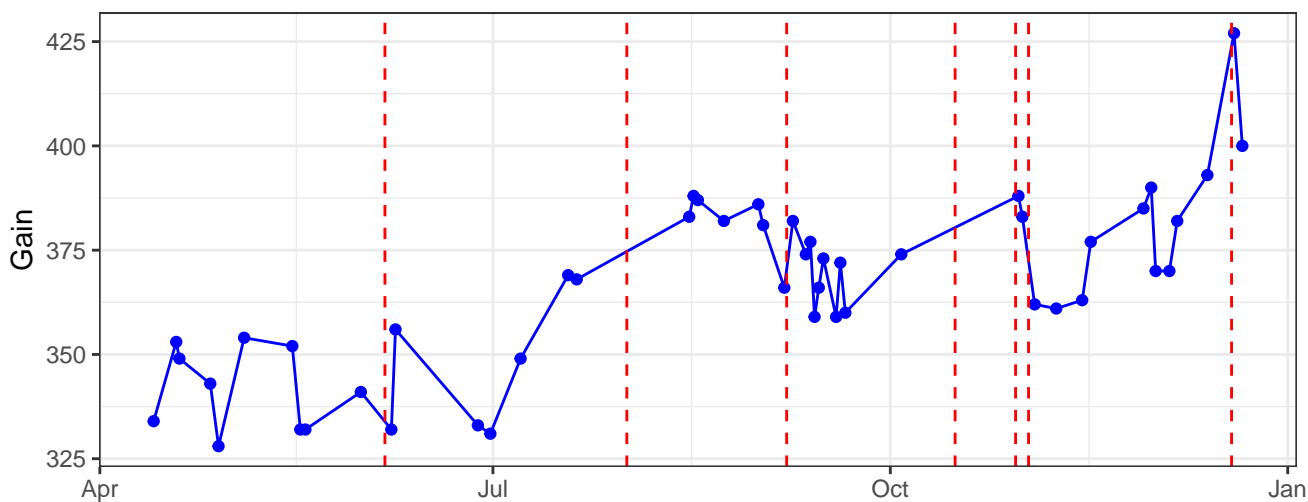
B3-A_Gain



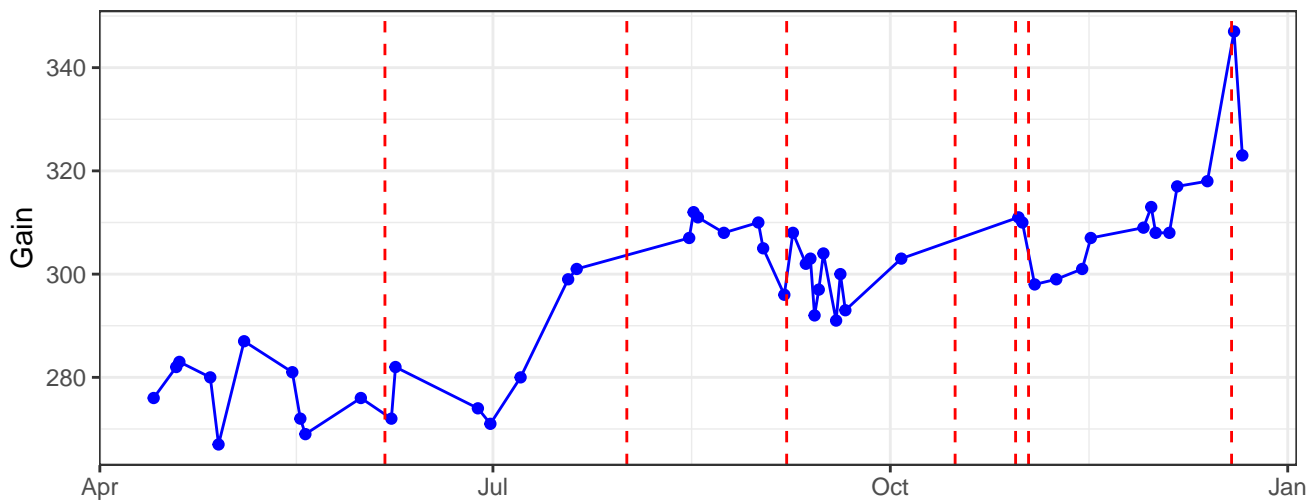
B4-A_Gain



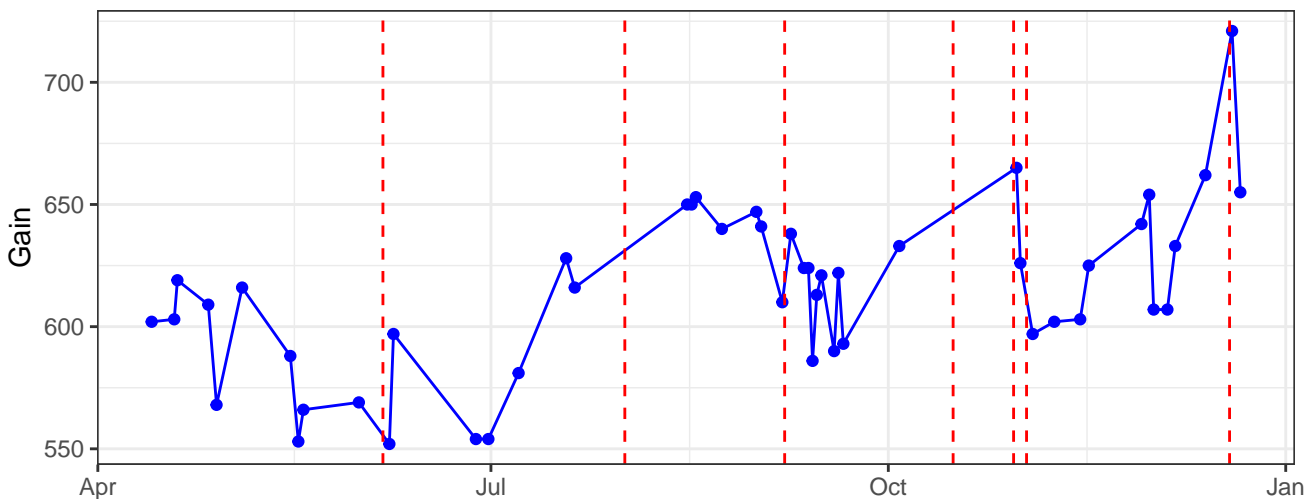
B5-A_Gain



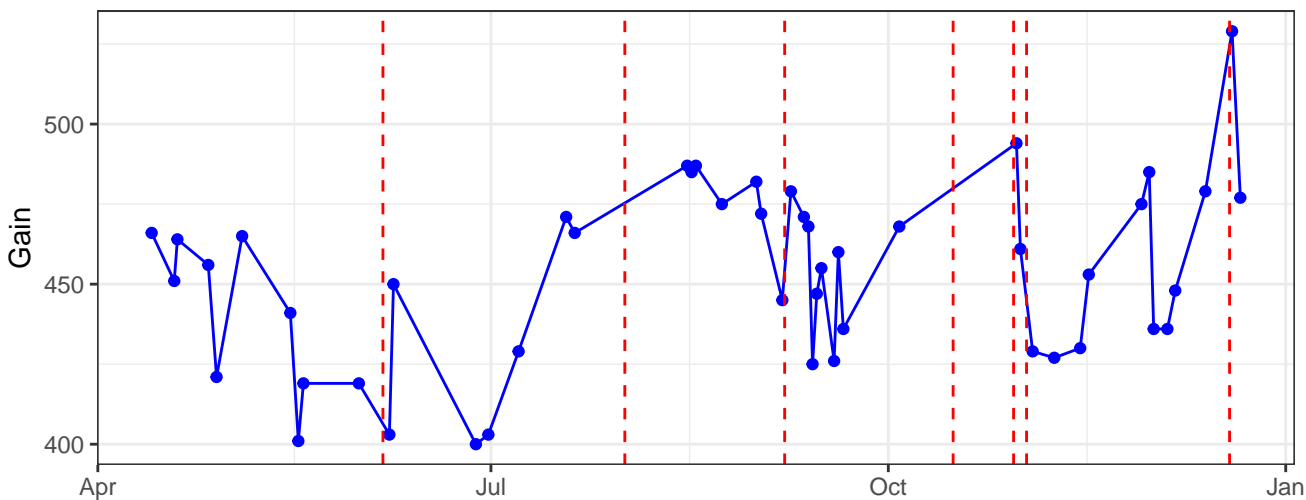
B6-A_Gain



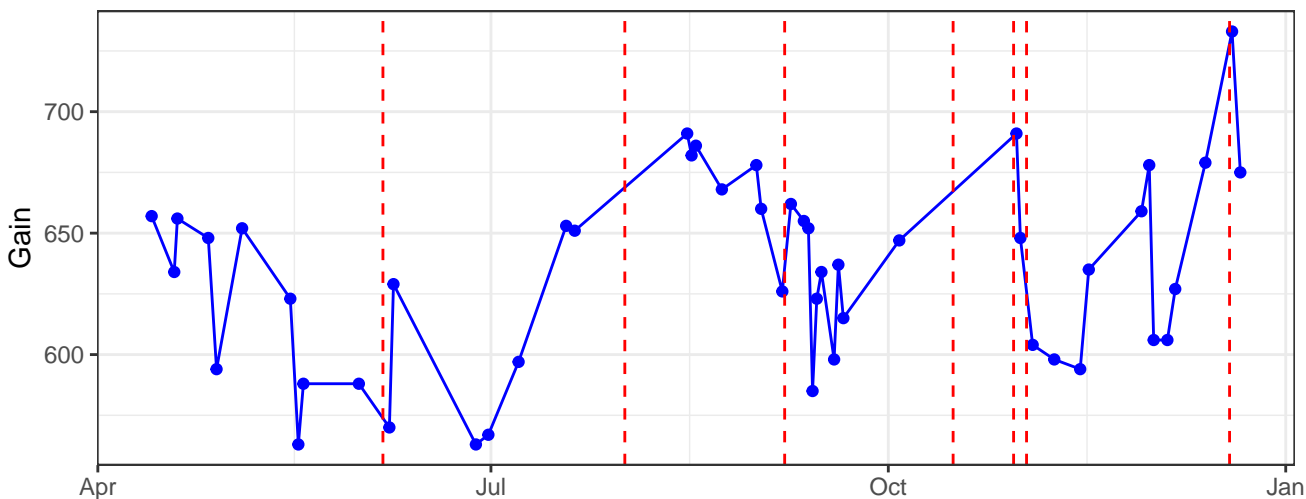
B7-A_Gain



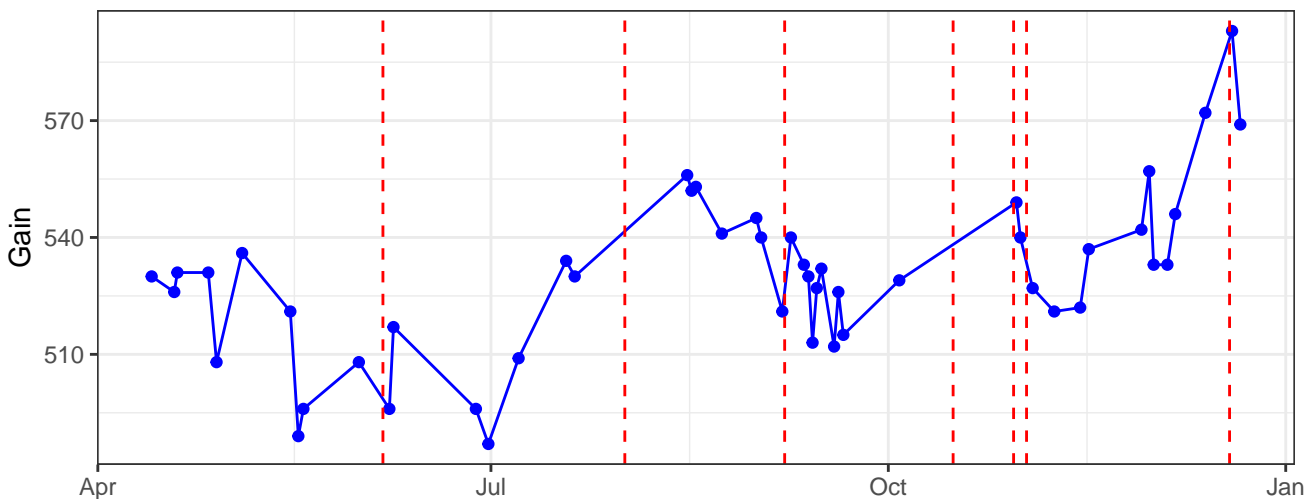
B8-A_Gain



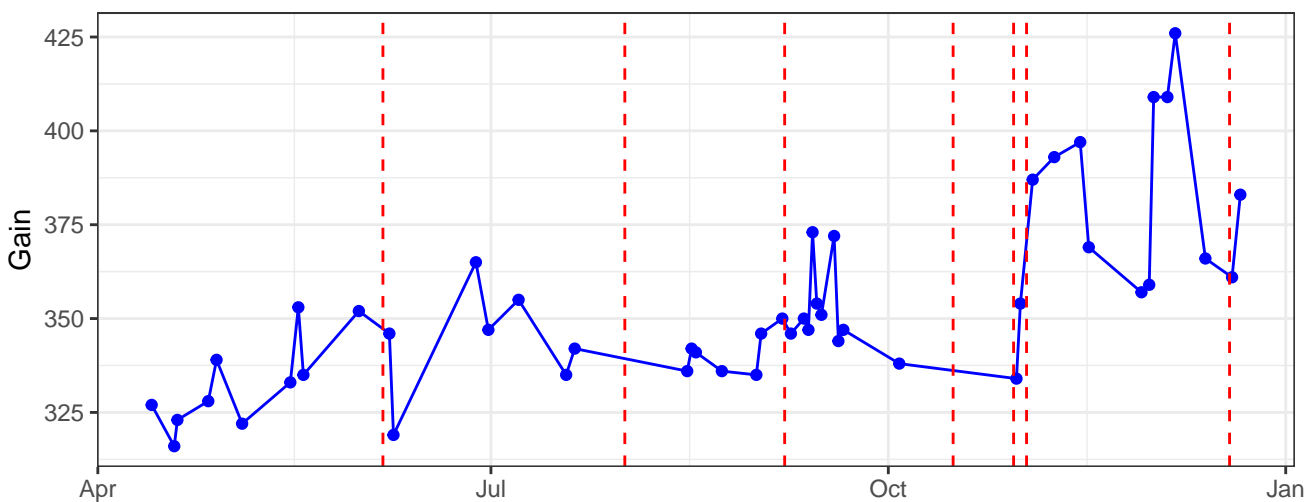
B9-A_Gain



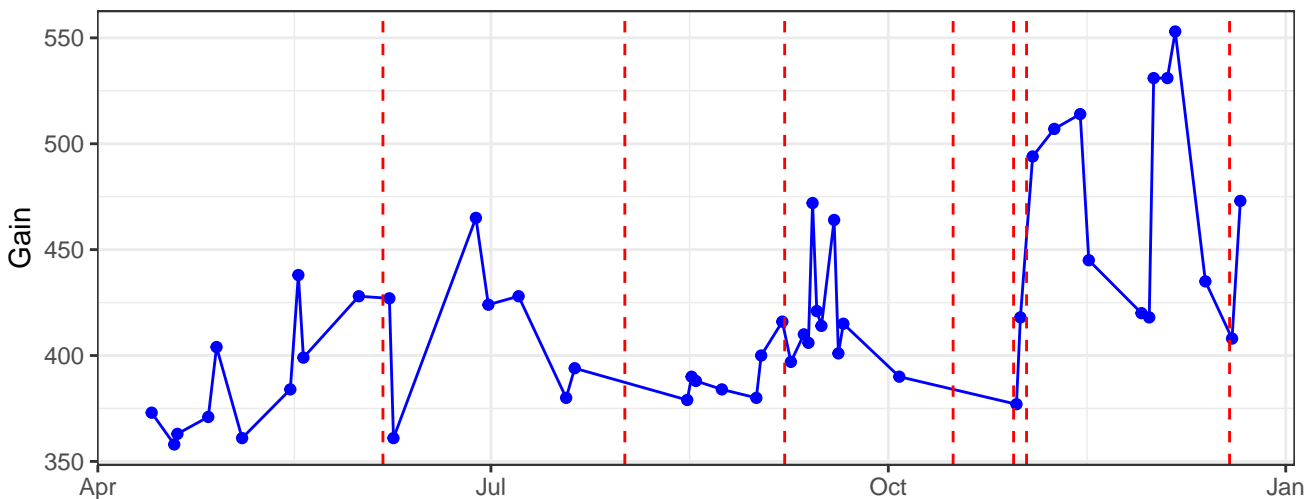
B10-A_Gain



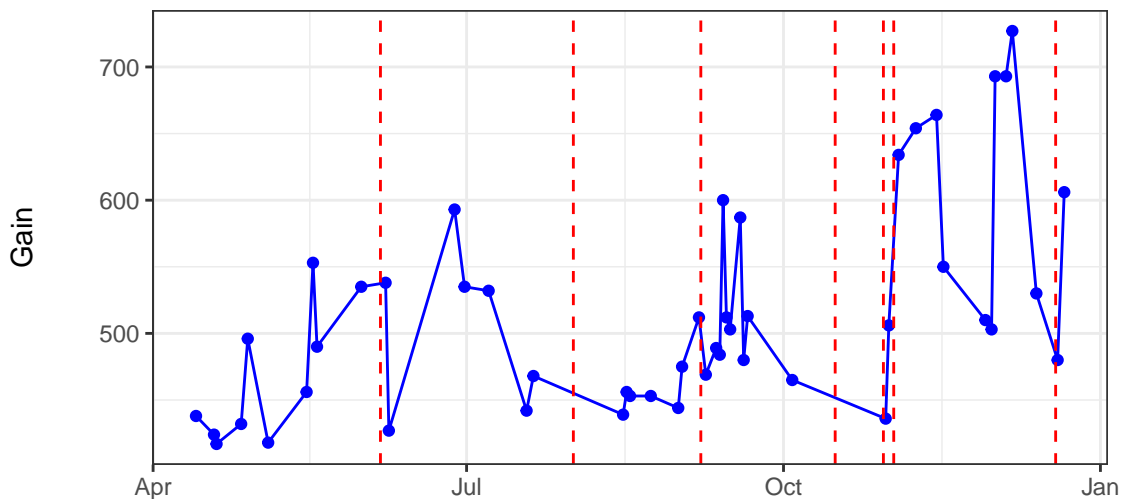
B11-A_Gain



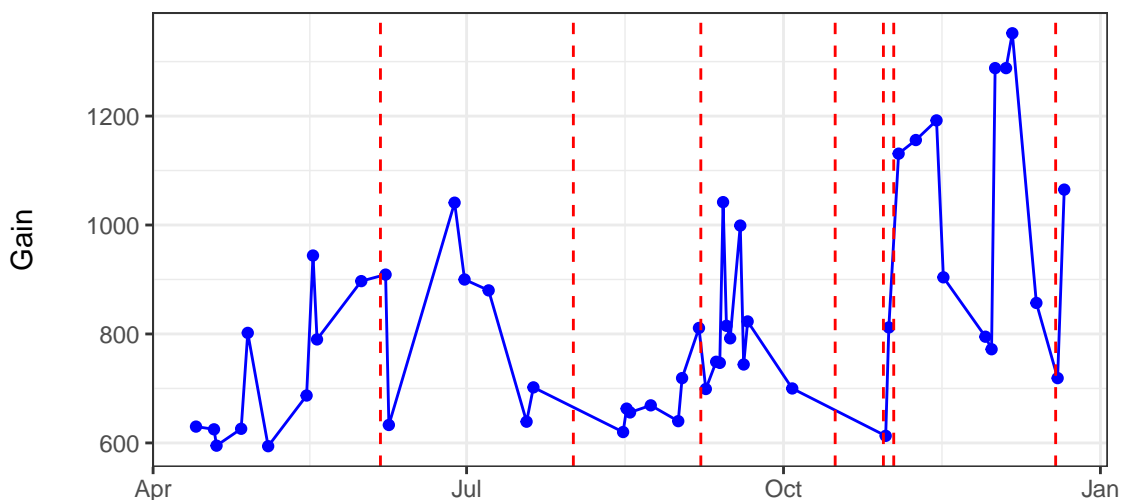
B12-A_Gain



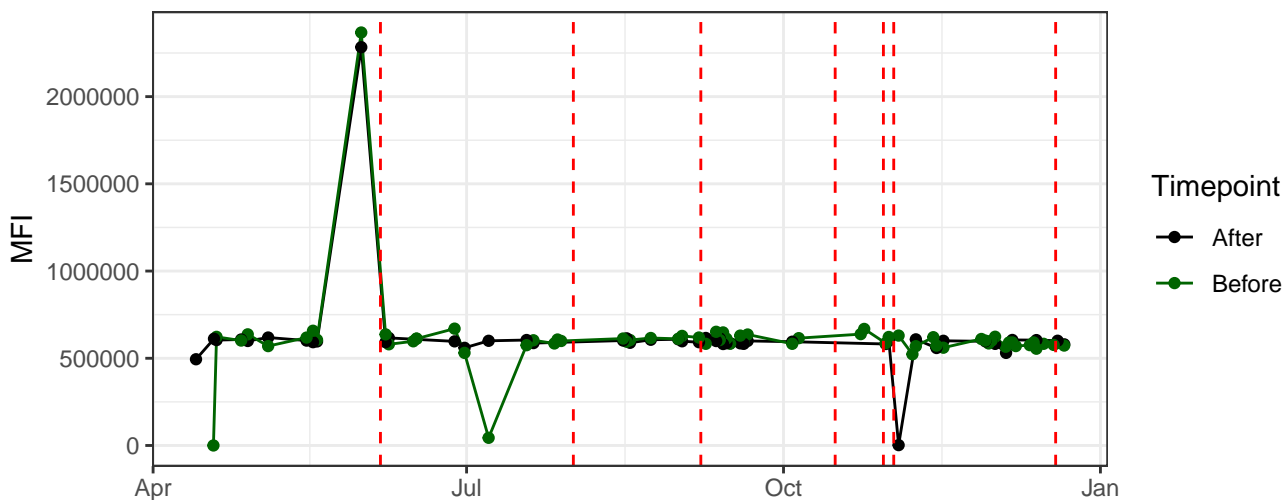
B13-A_Gain



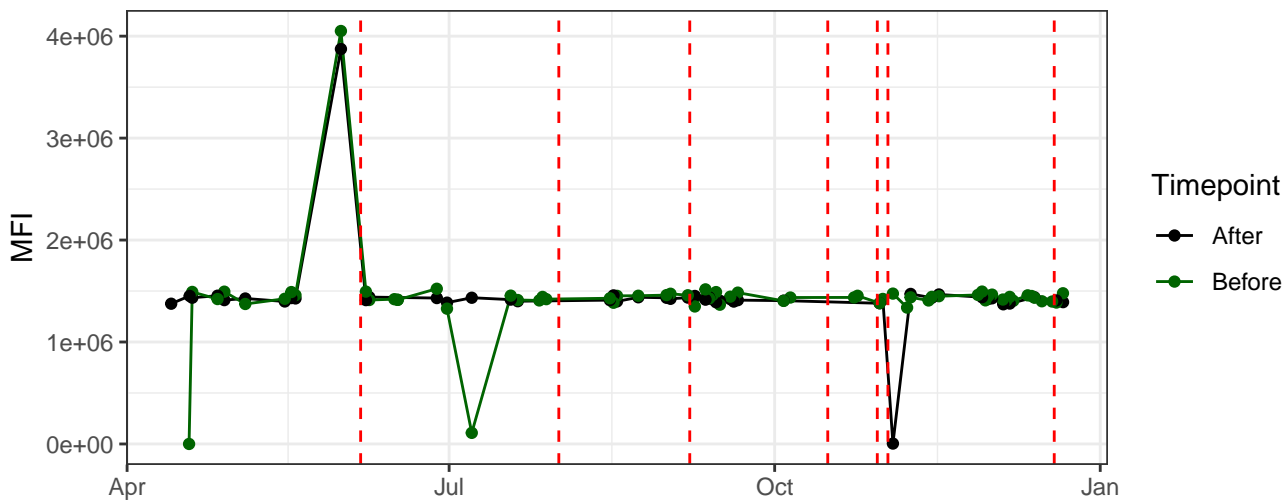
B14-A_Gain



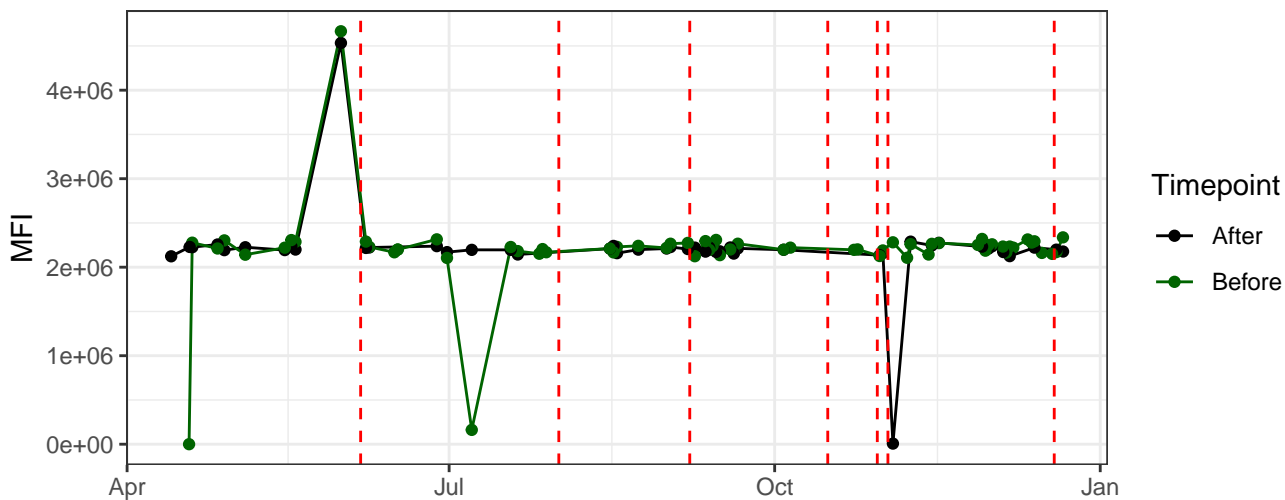
YG1-A



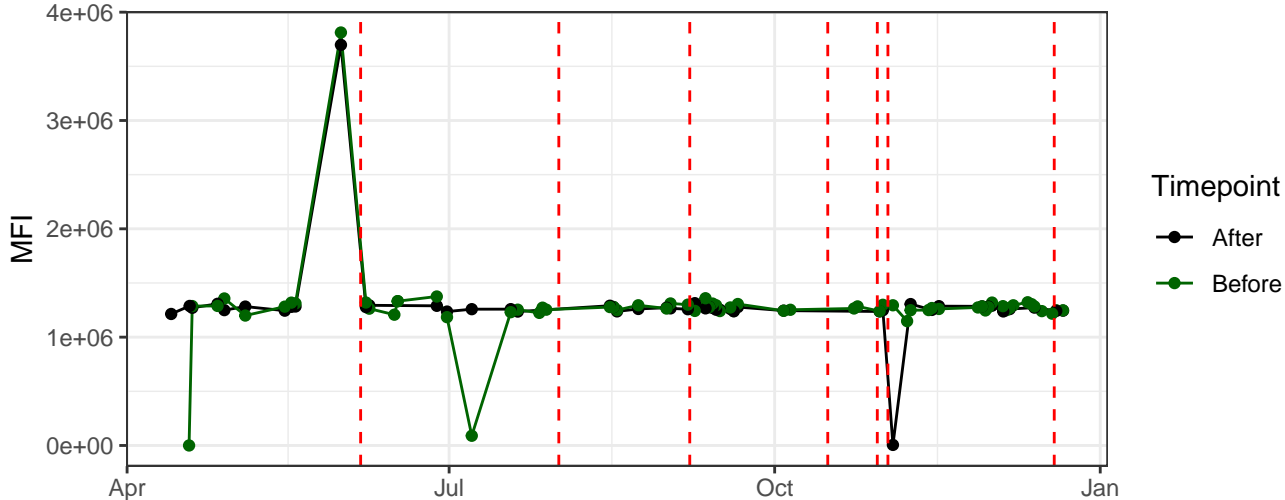
YG2-A



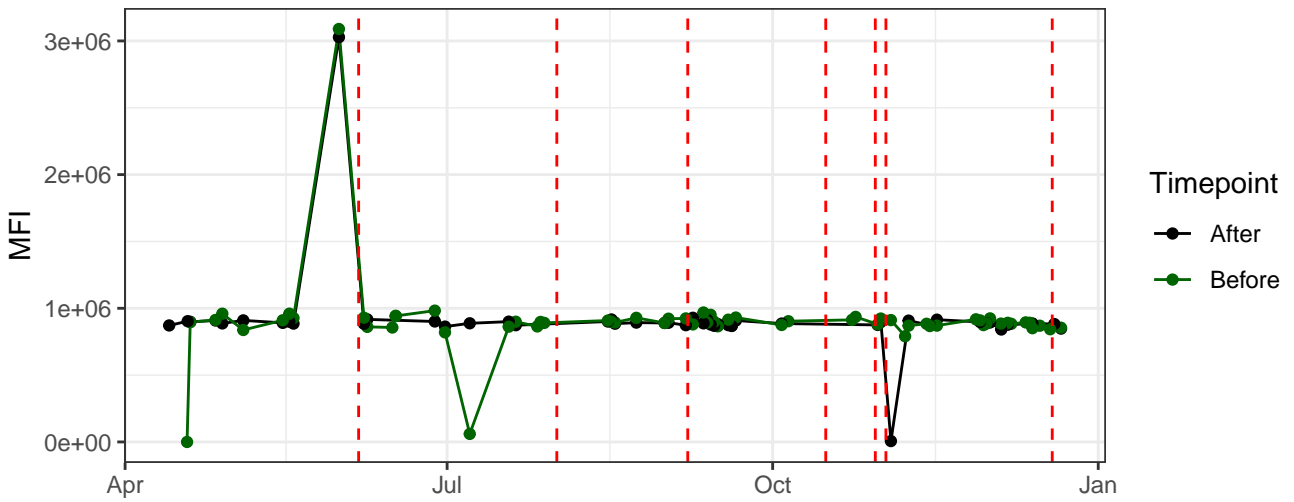
YG3-A



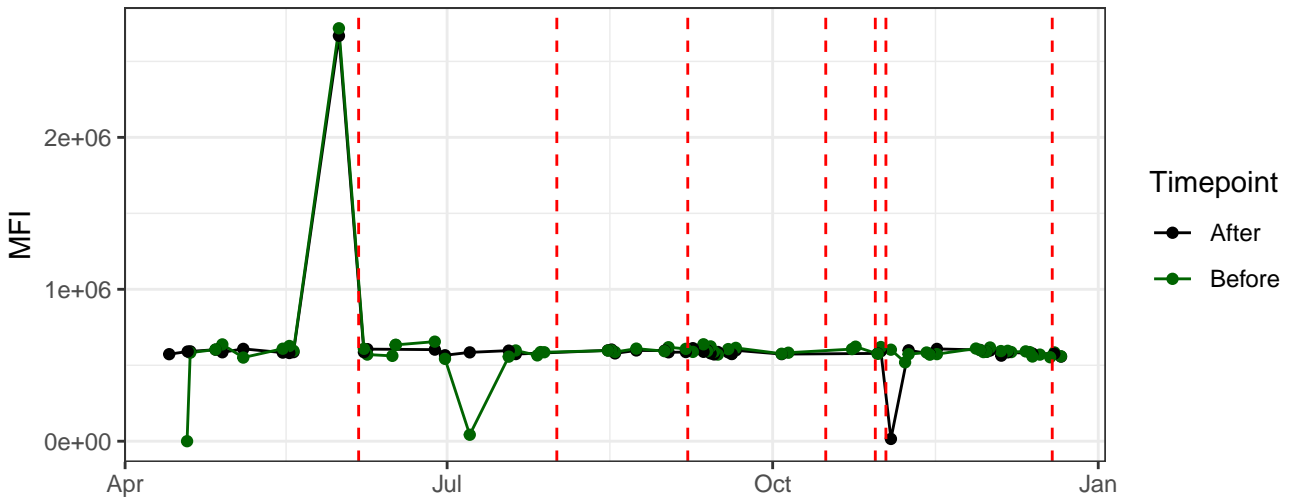
YG4-A



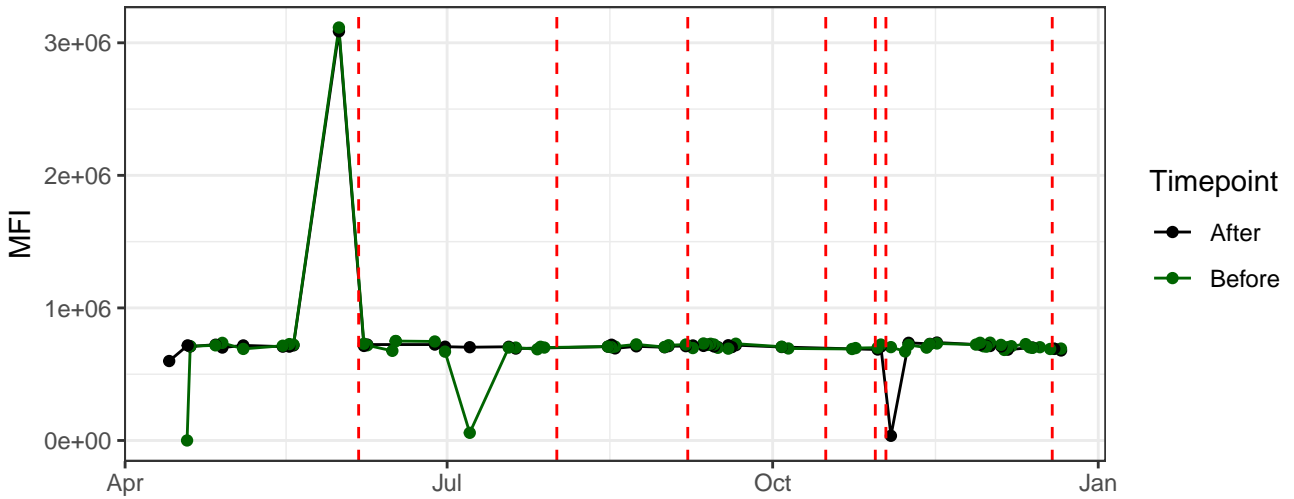
YG5-A



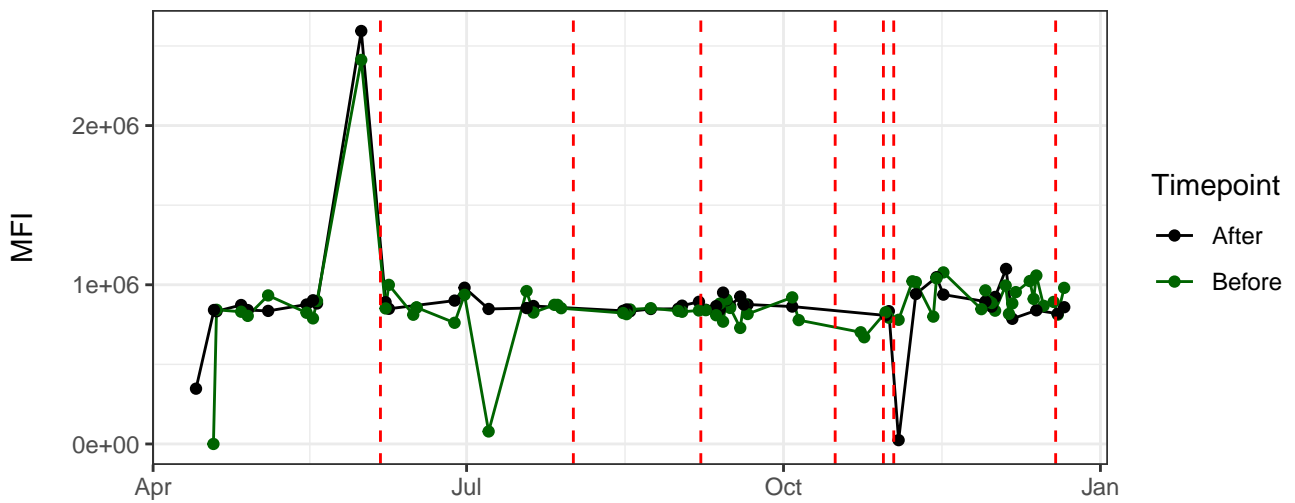
YG6-A



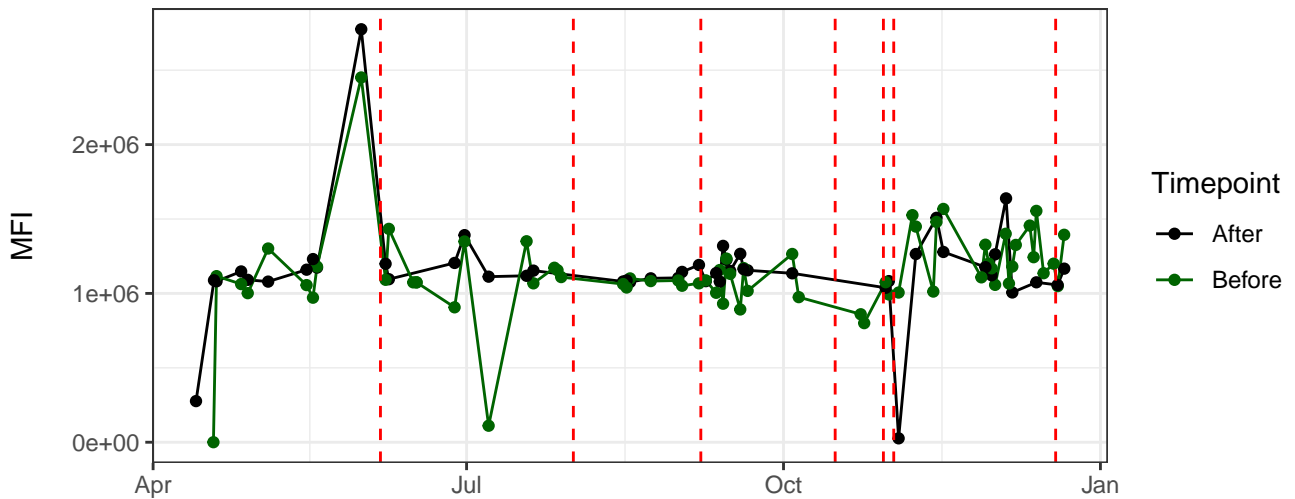
YG7-A



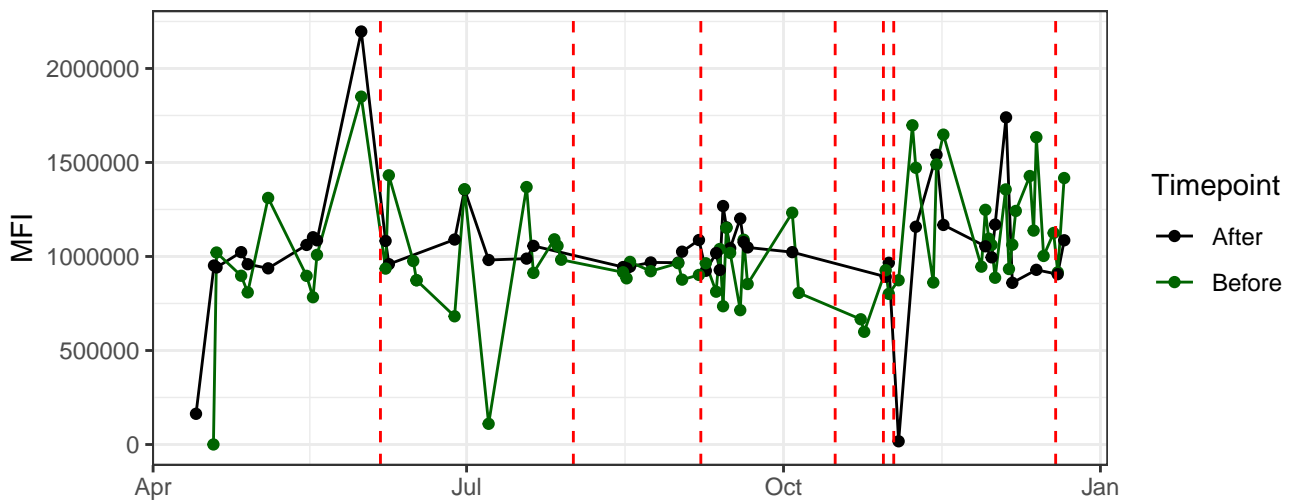
YG8-A



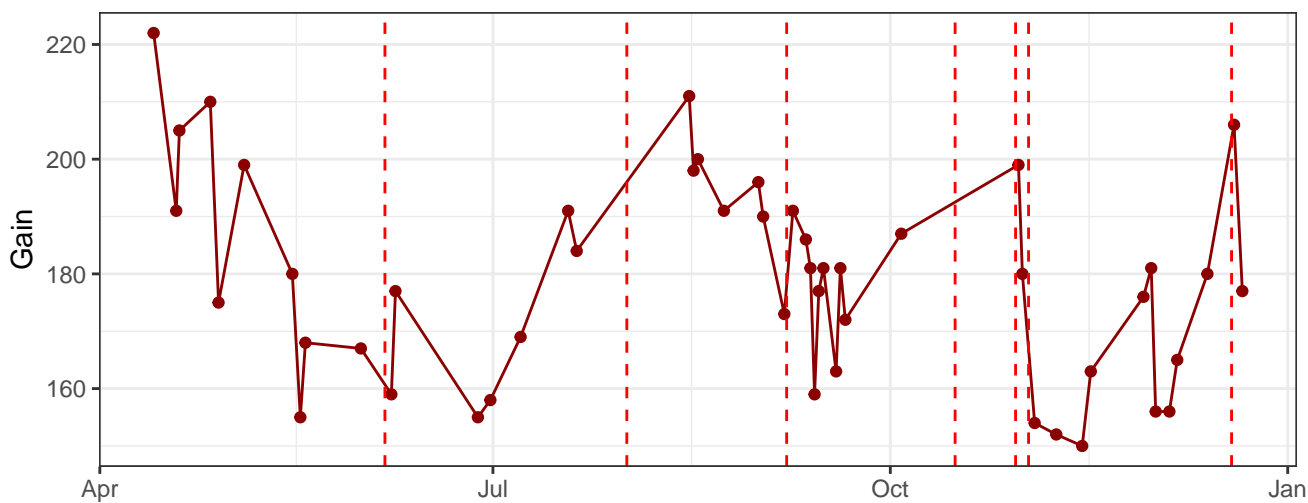
YG9-A



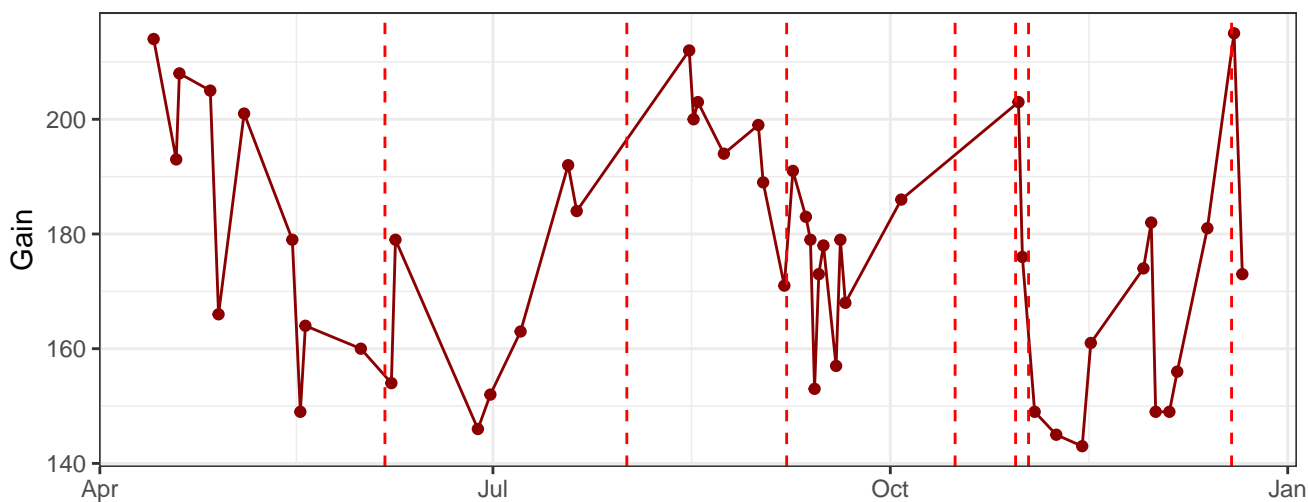
YG10-A



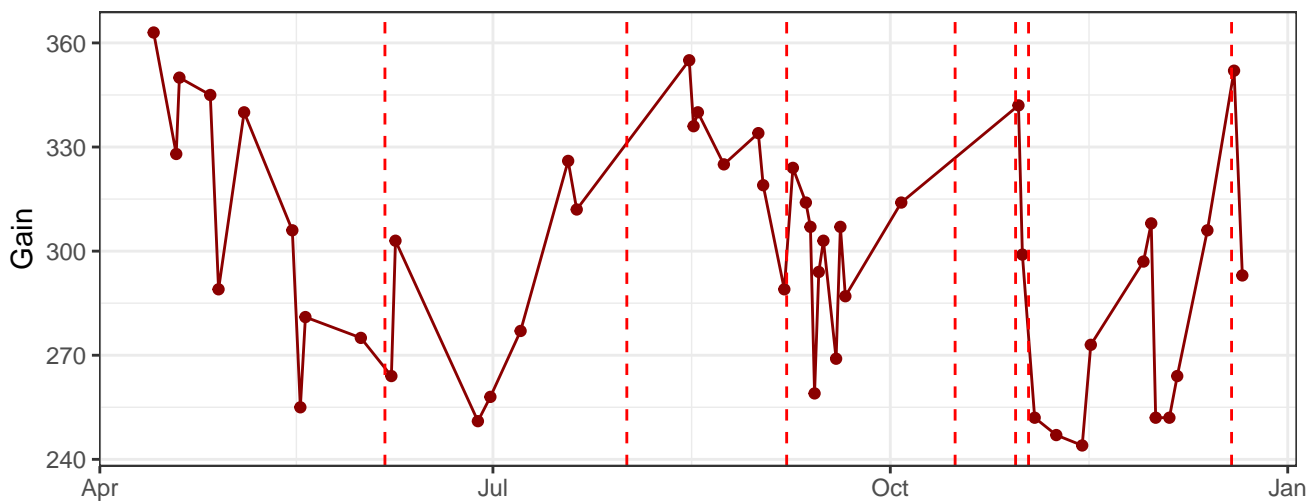
R1-A_Gain



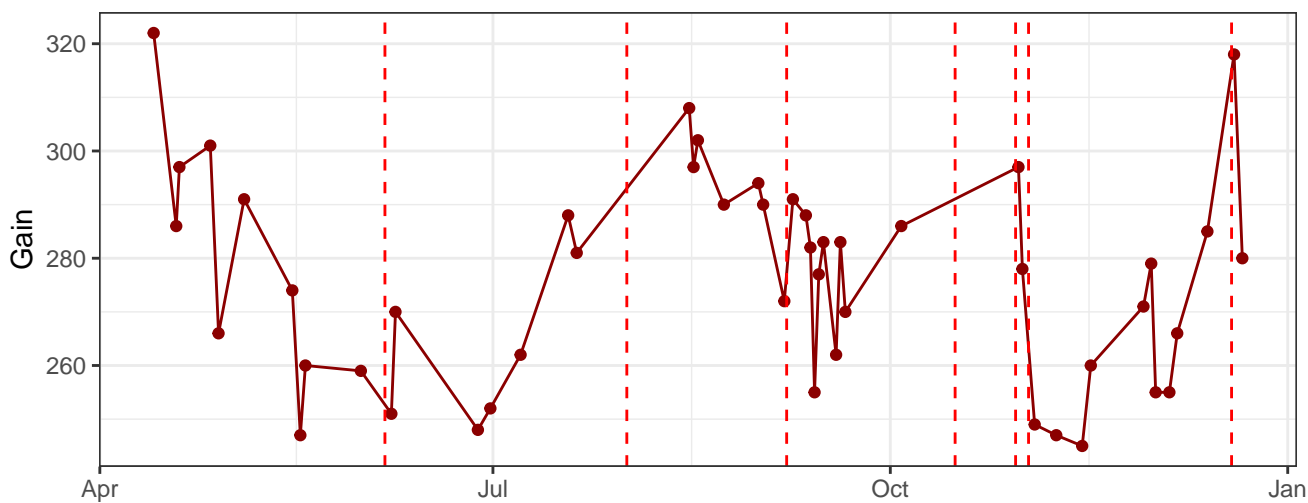
R2-A_Gain



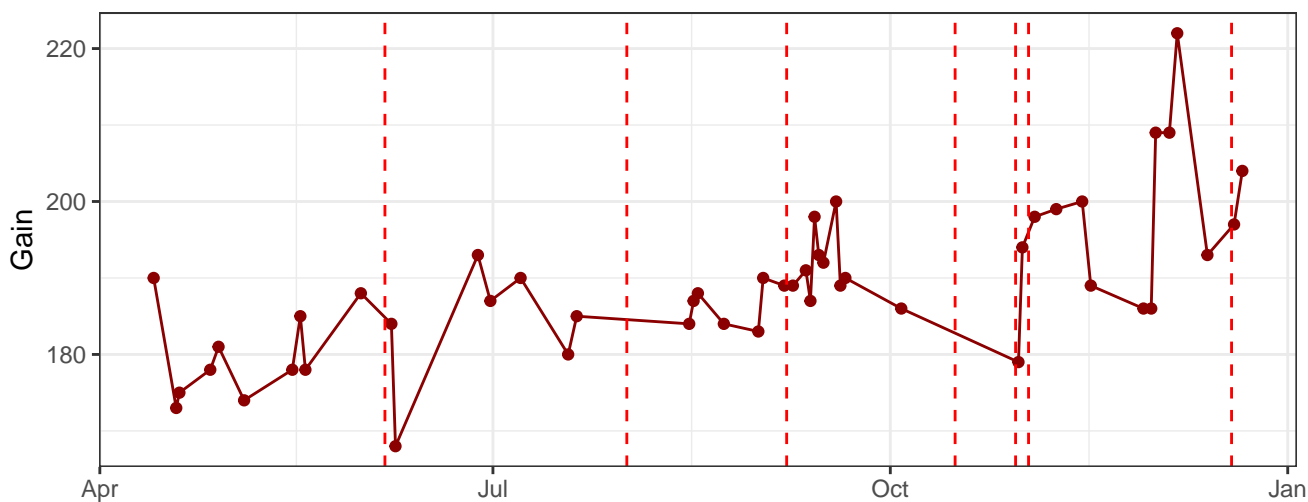
R3-A_Gain



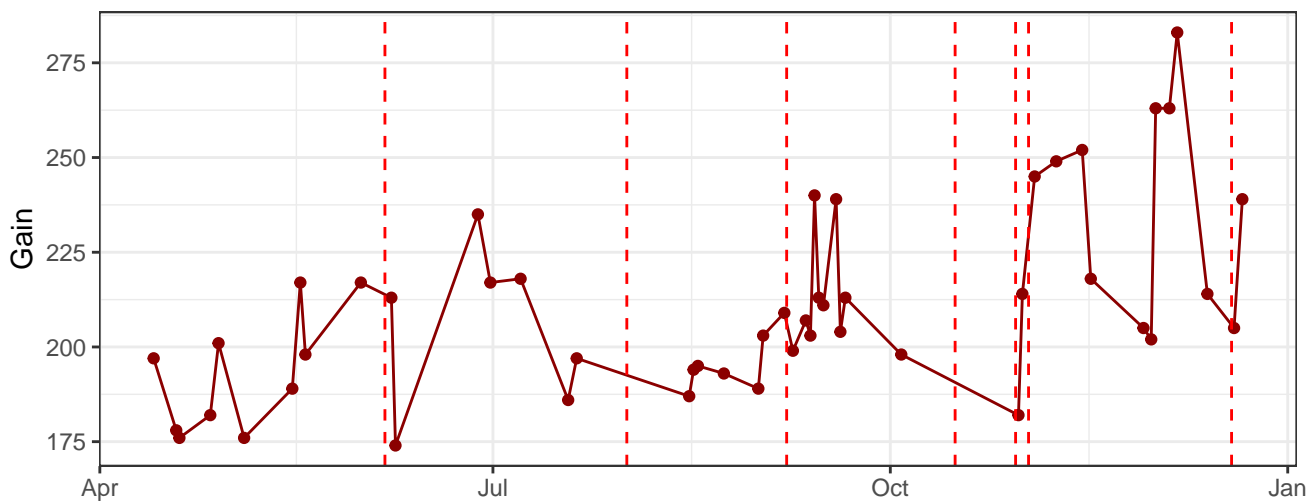
R4-A_Gain



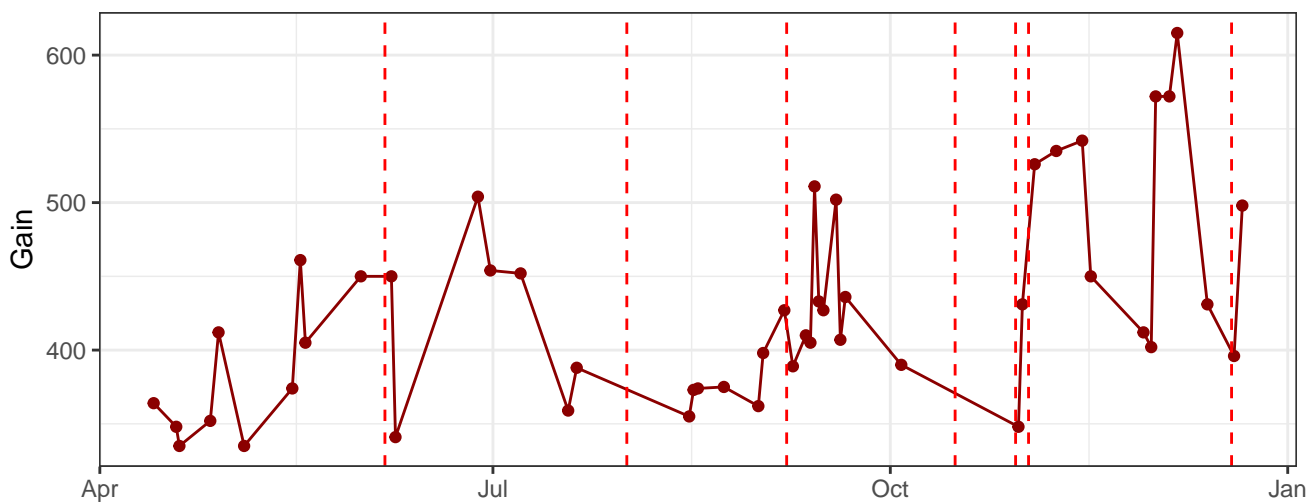
R5-A_Gain



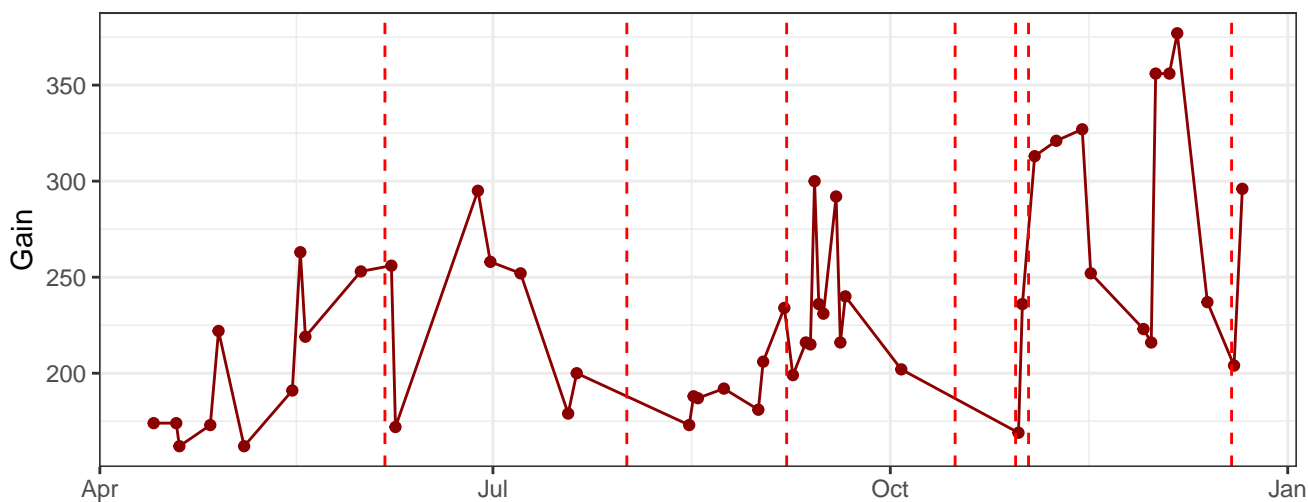
R6-A_Gain



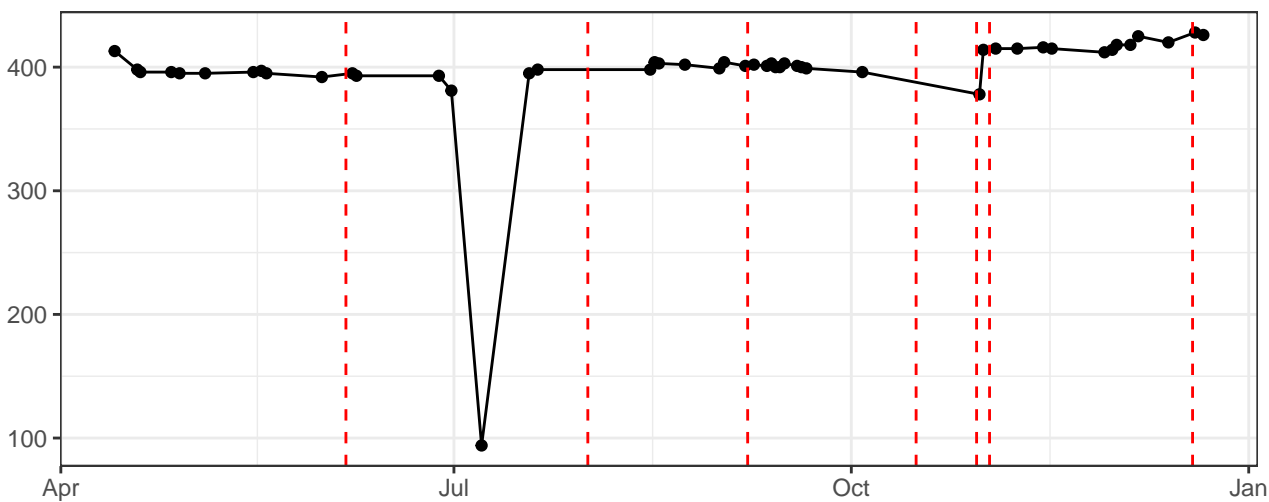
R7-A_Gain



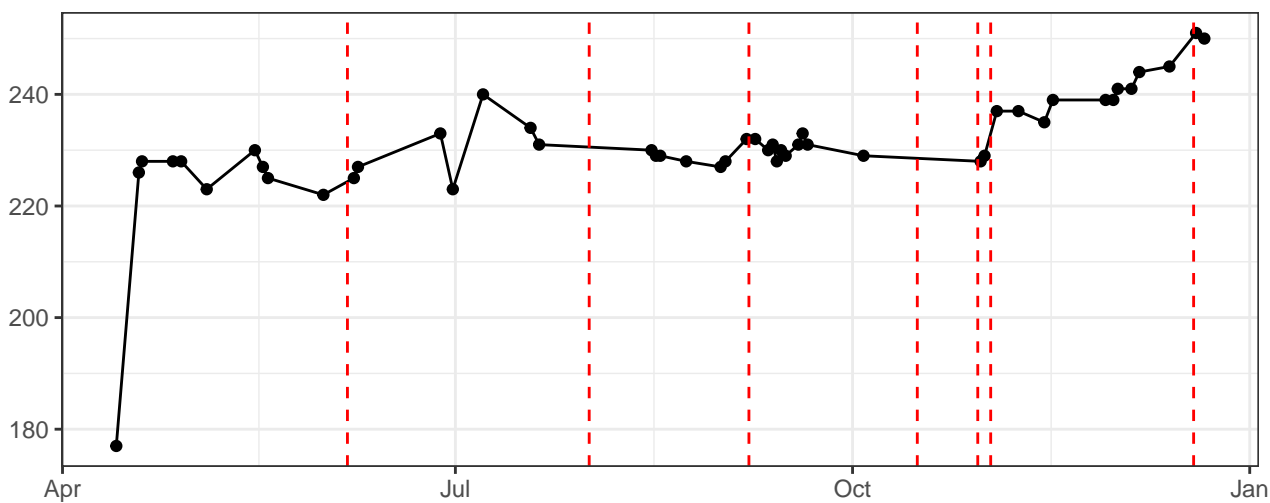
R8-A_Gain



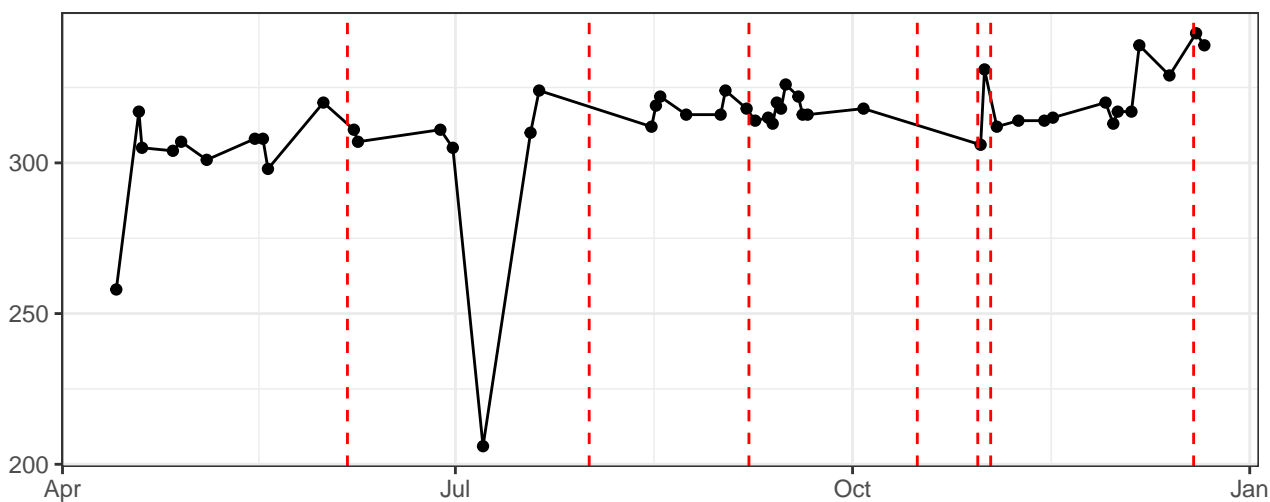
FSC-A_Gain



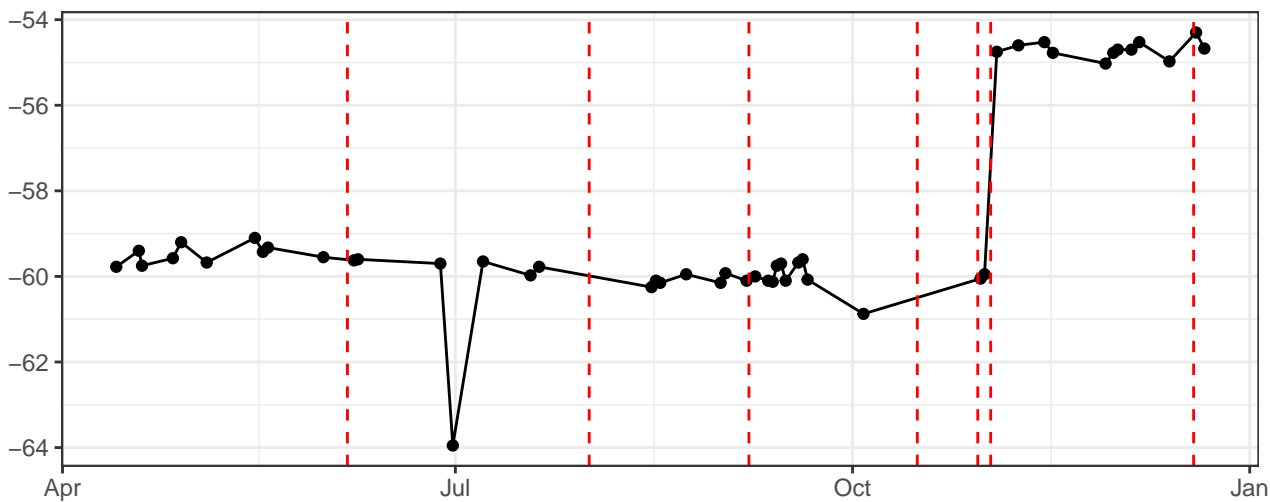
SSC-A_Gain



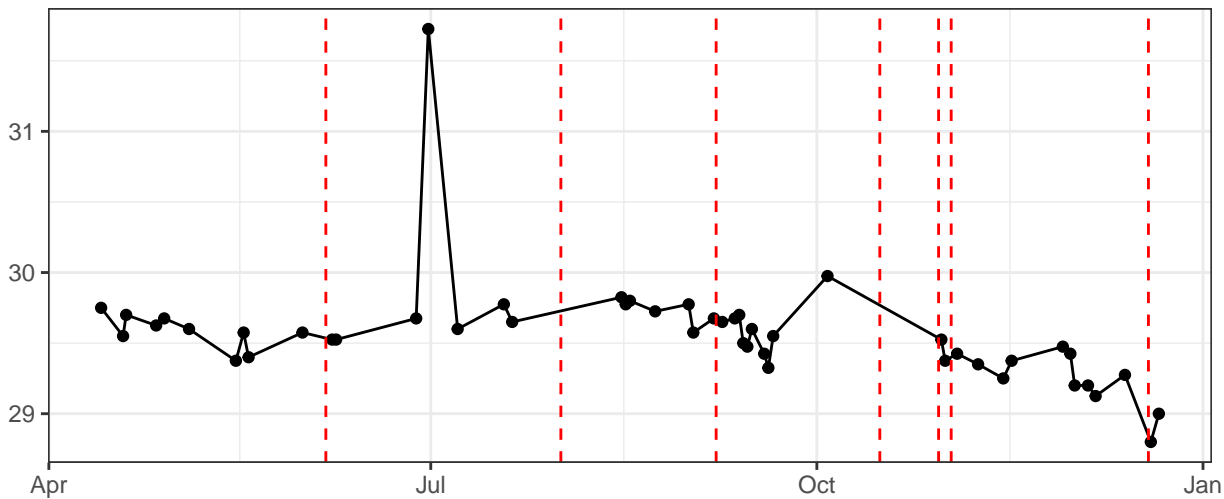
SSC-B-A_Gain



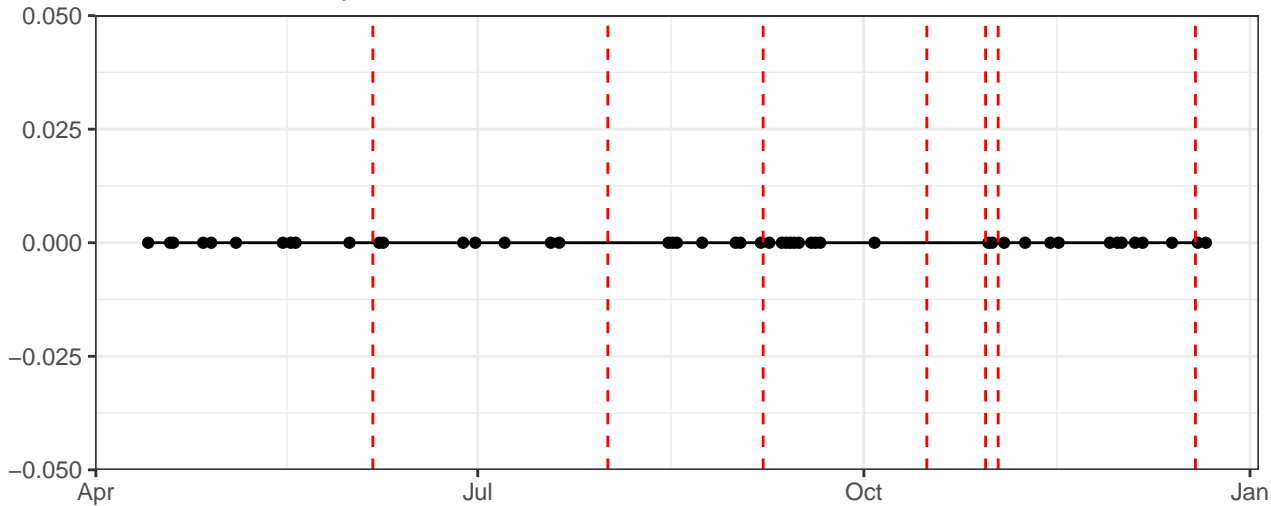
UV_LaserDelay



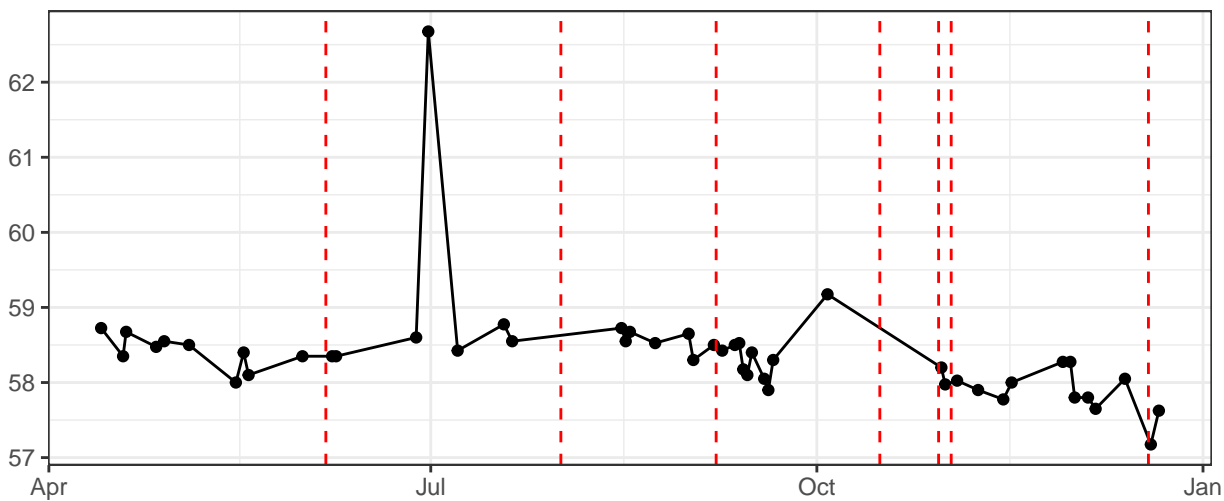
Violet_LaserDelay



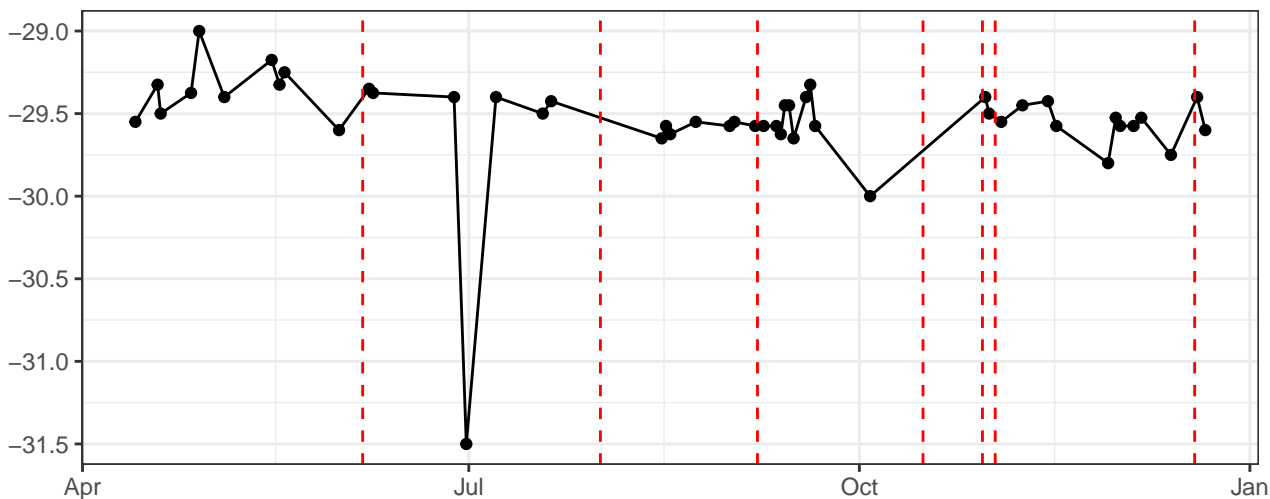
Blue_LaserDelay



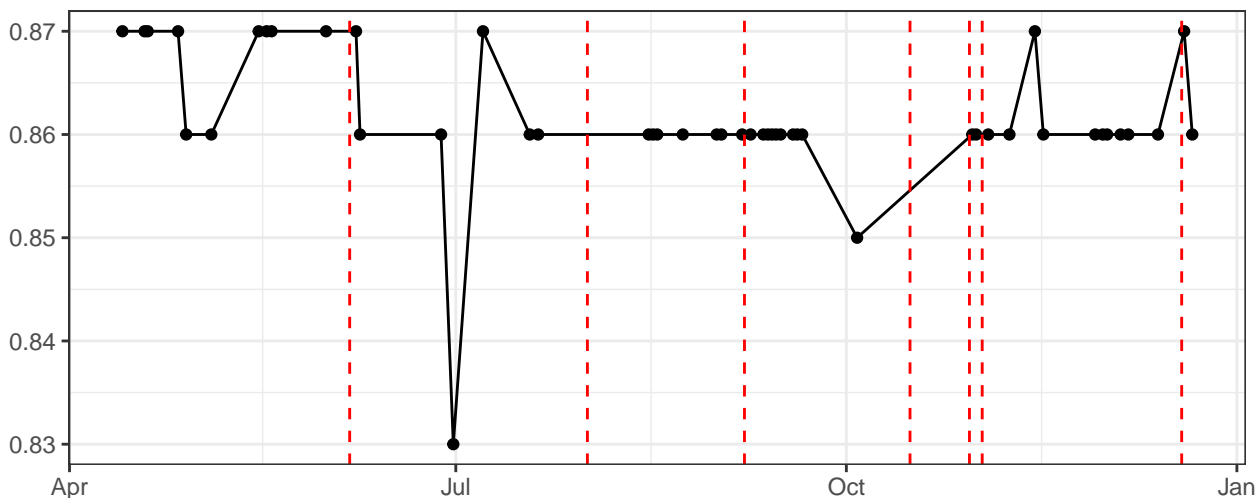
YellowGreen_LaserDelay



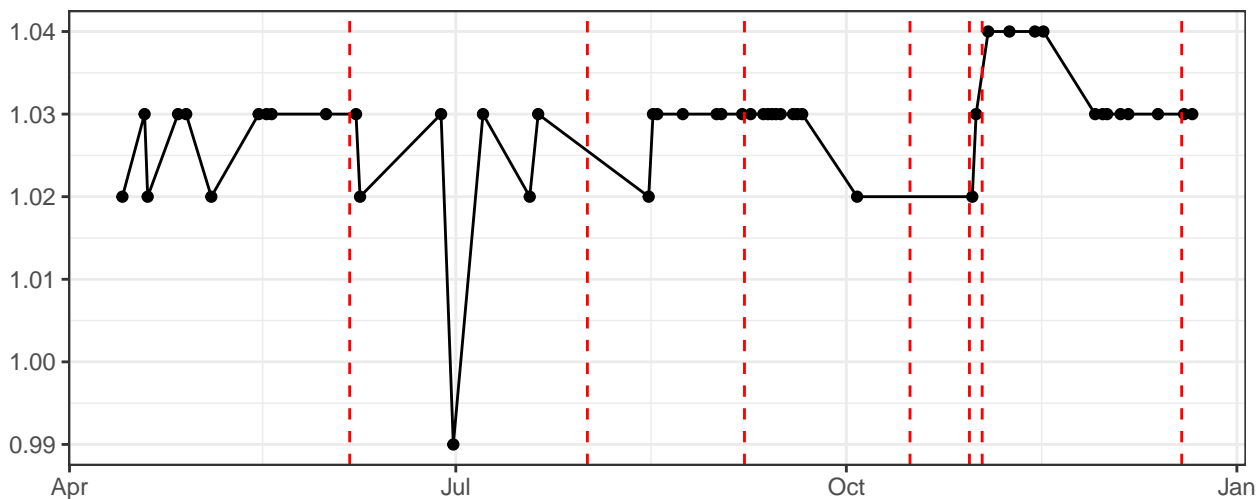
Red_LaserDelay



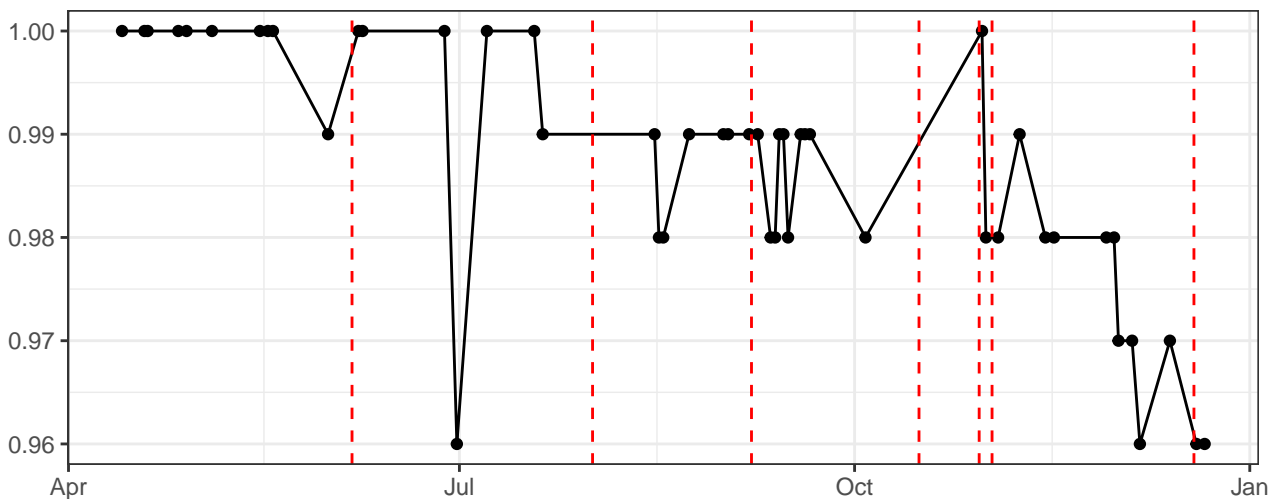
UV_AreaScalingFactor



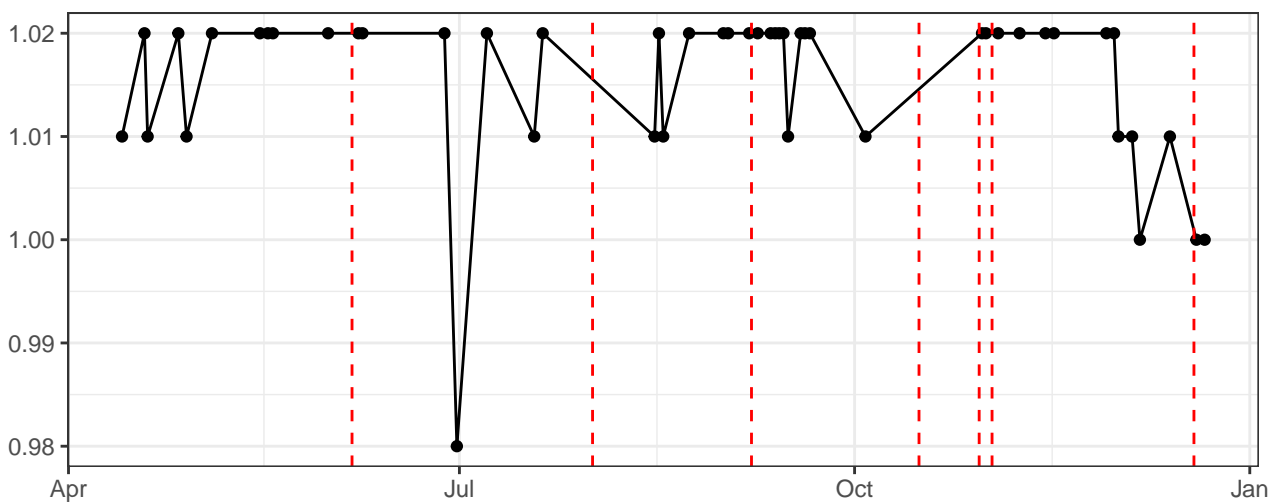
Violet_AreaScalingFactor



Blue_AreaScalingFactor



YellowGreen_AreaScalingFactor



Red_AreaScalingFactor

