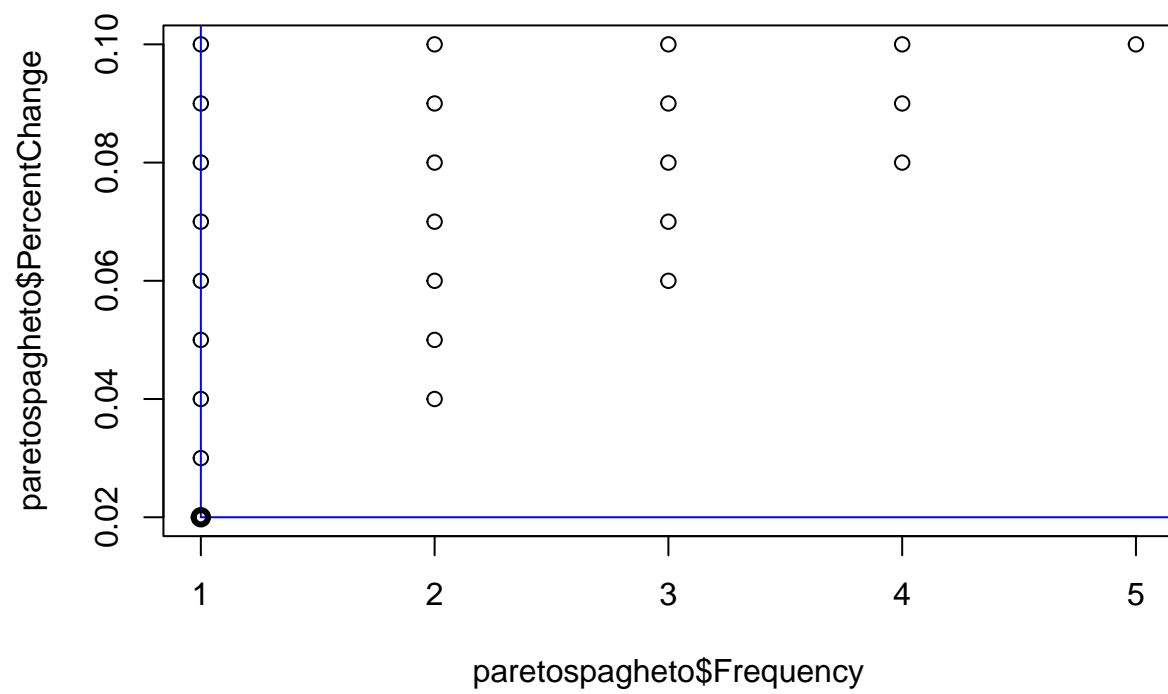


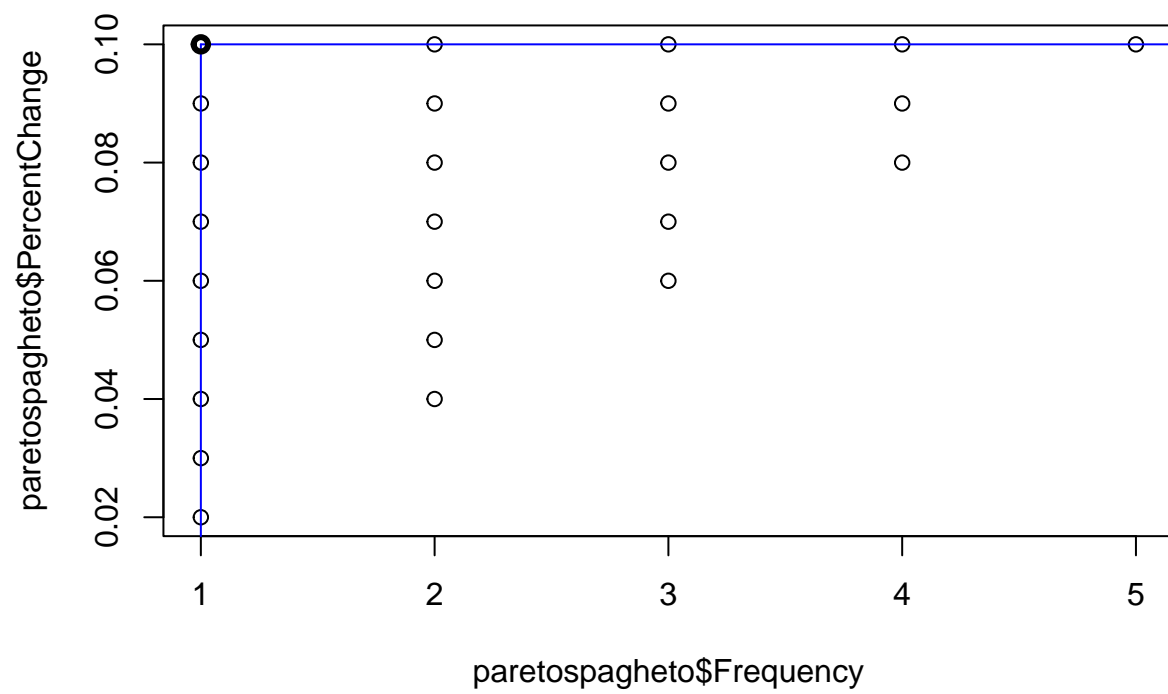
WoodsAnalysis

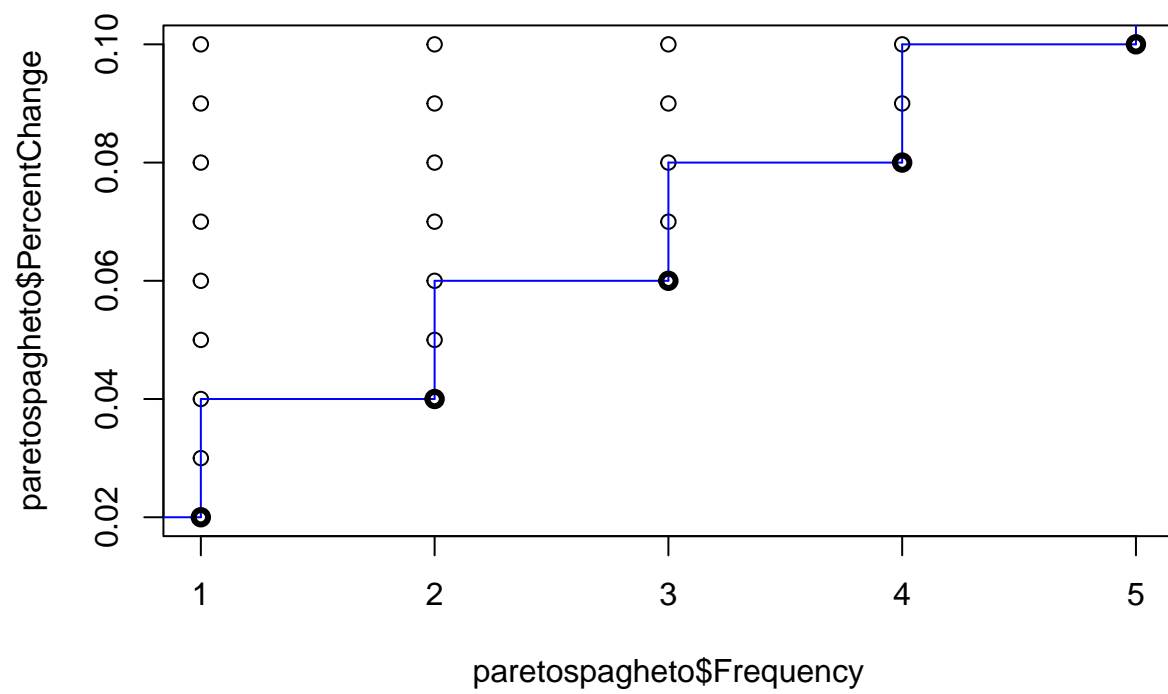
Sophie Wulfing

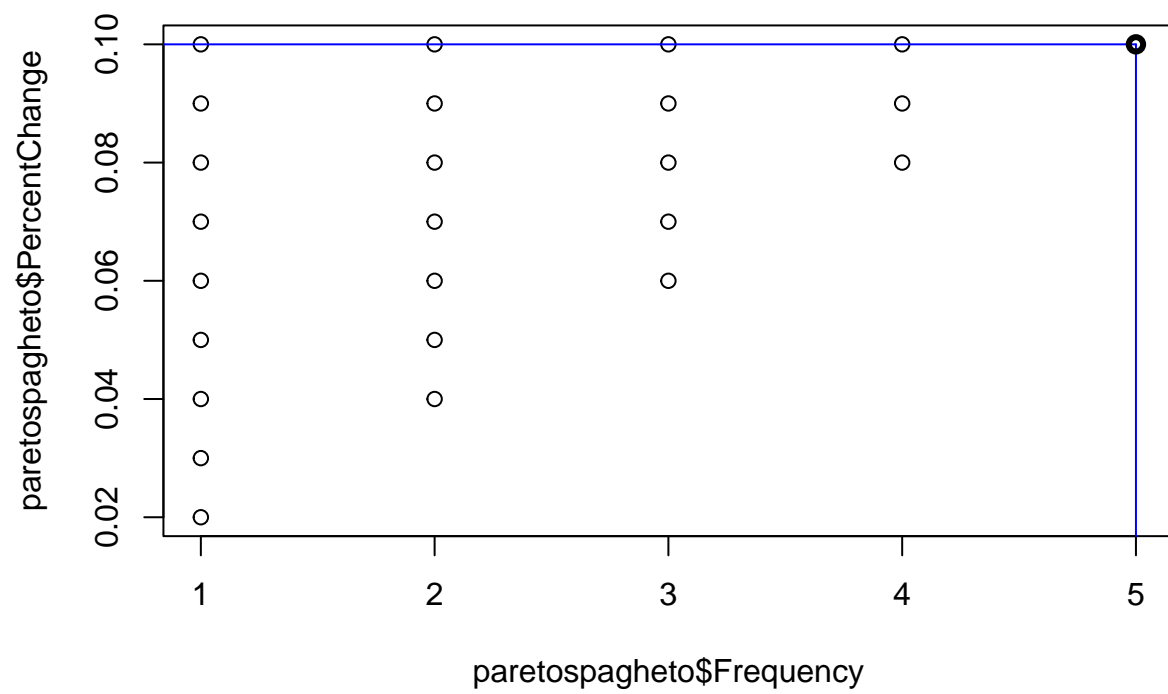
2022-05-23

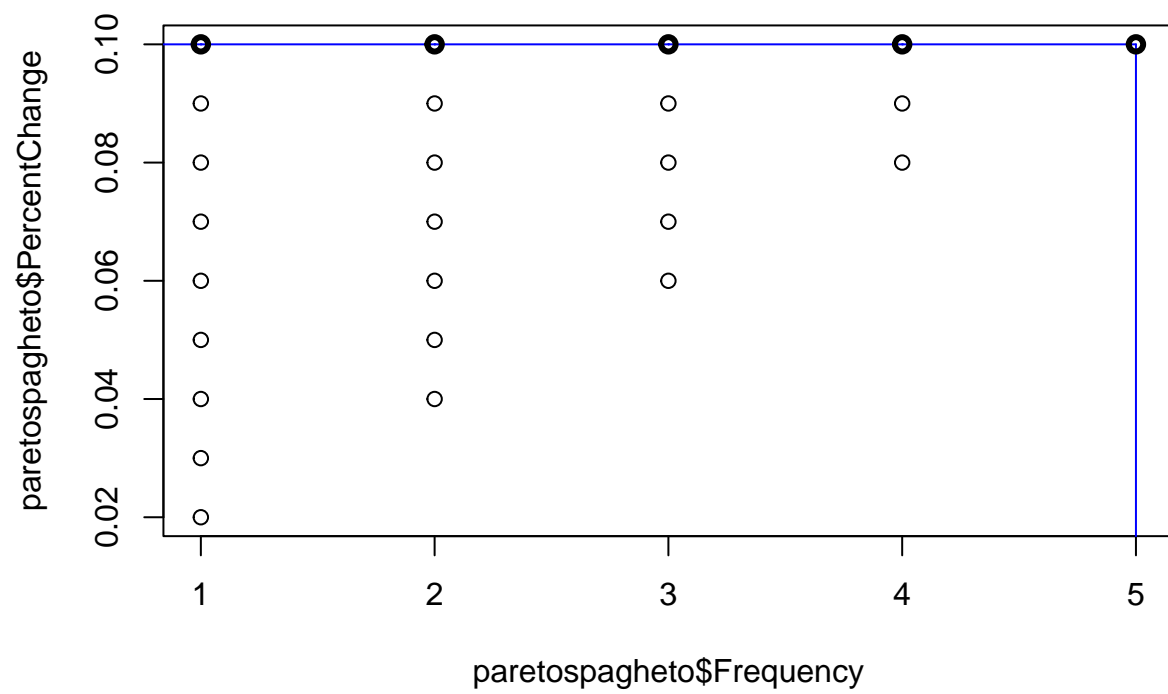
```
##           [,1]
## [1,] 76.5230312
## [2,] 27.8603269
## [3,]  2.2288262
## [4,]  1.8573551
## [5,] 57.5780089
## [6,] 37.8900446
## [7,]  1.8573551
## [8,]  0.0000000
## [9,] 40.4903417
## [10,] 50.8915305
## [11,]  3.3432392
## [12,]  0.0000000
## [13,] 71.6939079
## [14,] 16.7161961
## [15,]  8.1723626
## [16,]  1.1144131
## [17,] 121.0995542
## [18,] 28.9747400
## [19,]  5.5720654
## [20,]  2.2288262
## [21,] 119.9851412
## [22,] 52.0059435
## [23,]  6.6864785
## [24,]  0.7429421
## [25,] 78.7518574
## [26,] 41.6047548
## [27,] 14.4873700
## [28,]  1.1144131
## [29,] 118.8707281
## [30,] 53.4918276
## [31,] 14.4873700
## [32,]  1.1144131
## [33,] 119.9851412
## [34,] 39.0044576
## [35,] 10.7726597
## [36,]  1.1144131
## [37,] 73.5512630
## [38,] 26.3744428
## [39,]  4.4576523
## [40,]  2.2288262
```

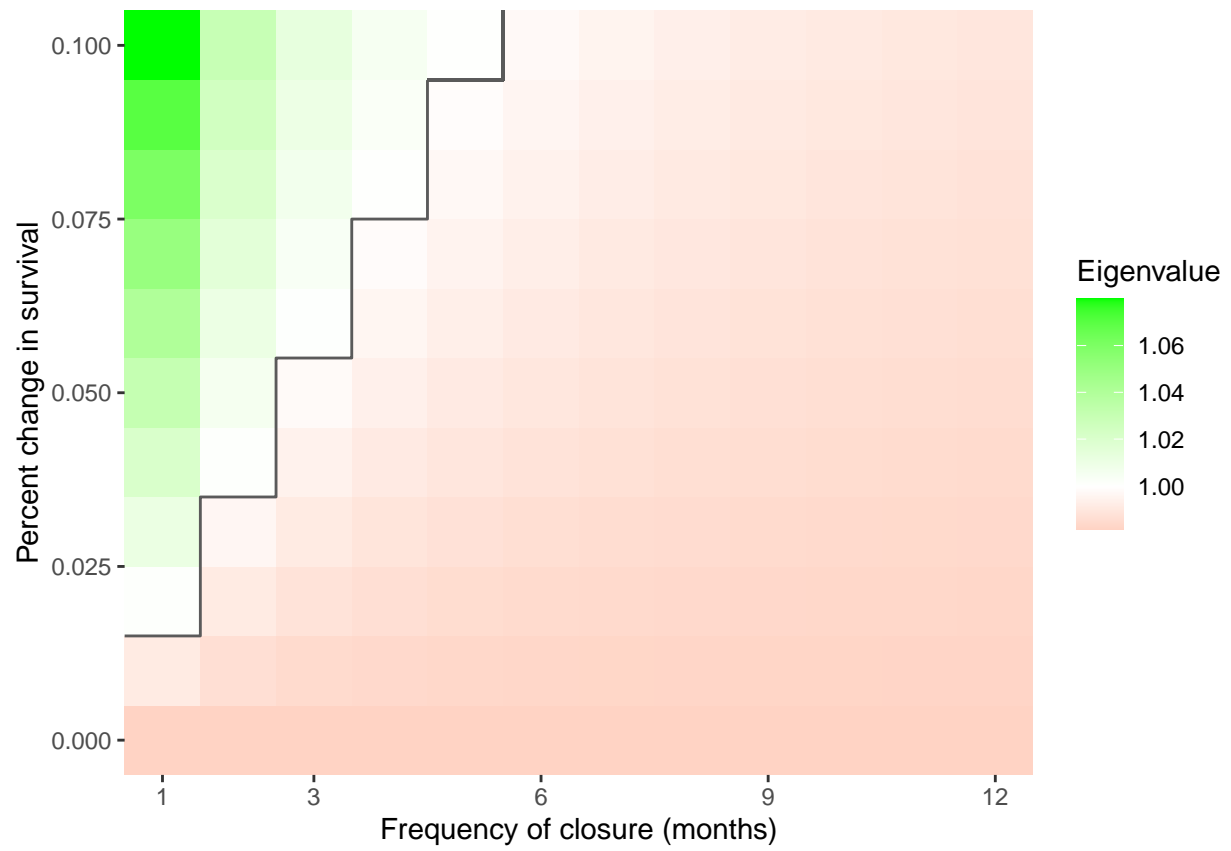


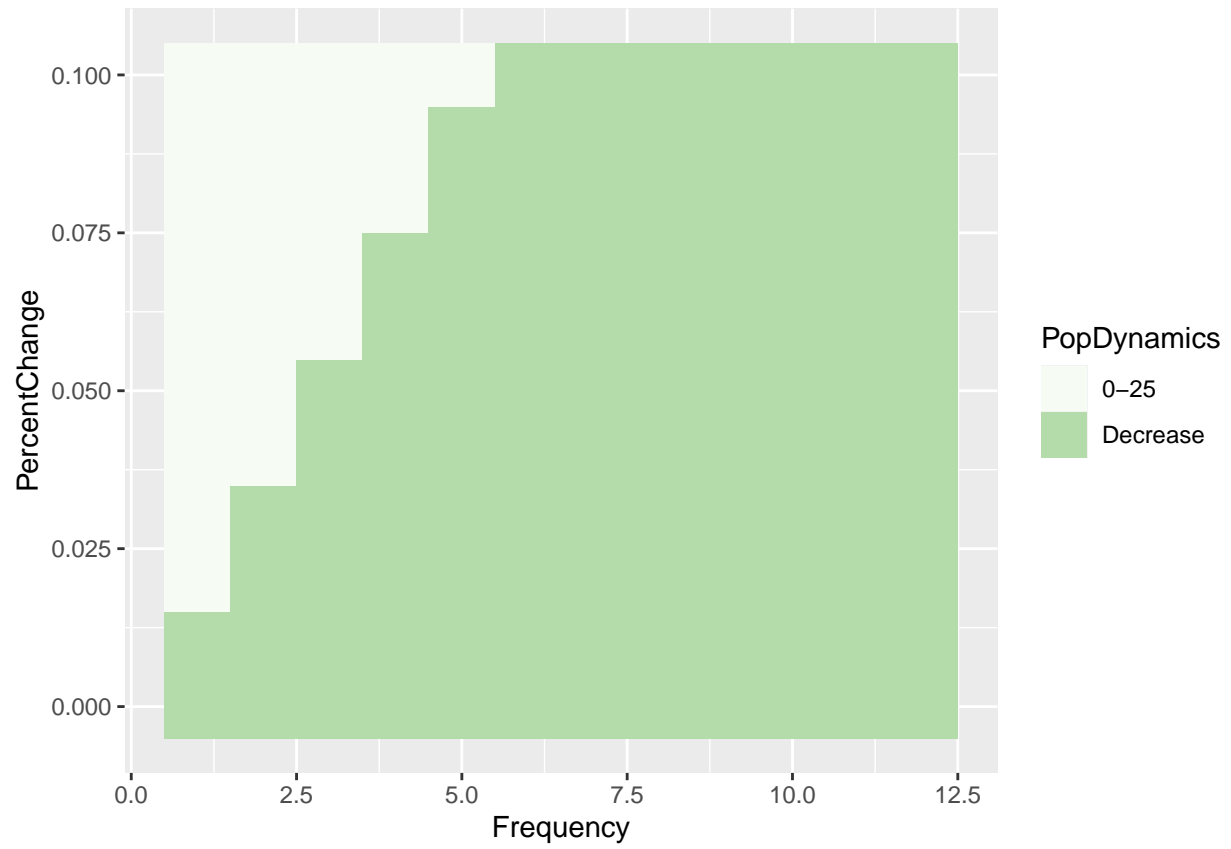




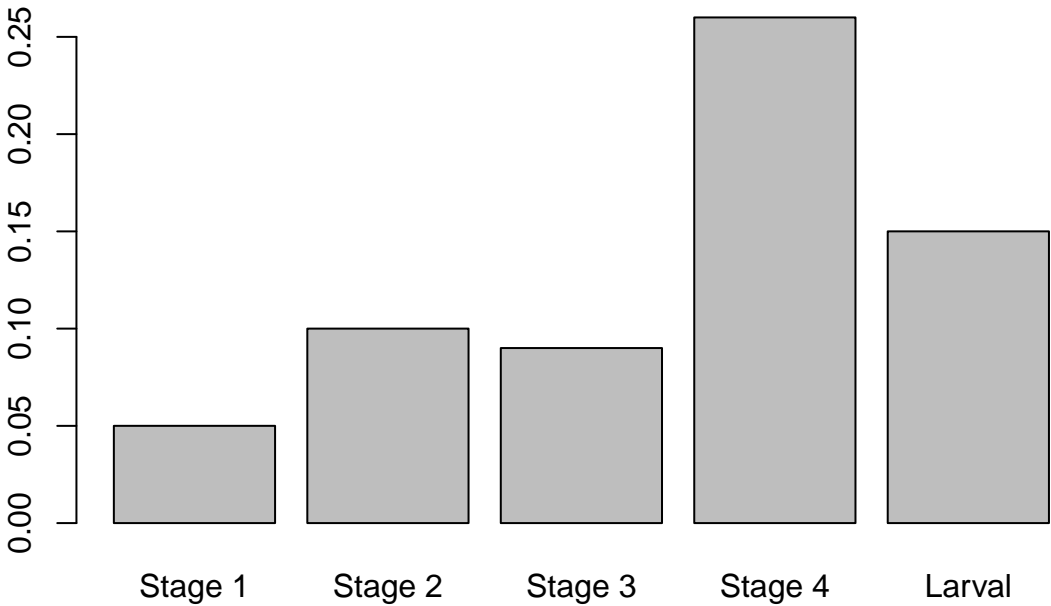






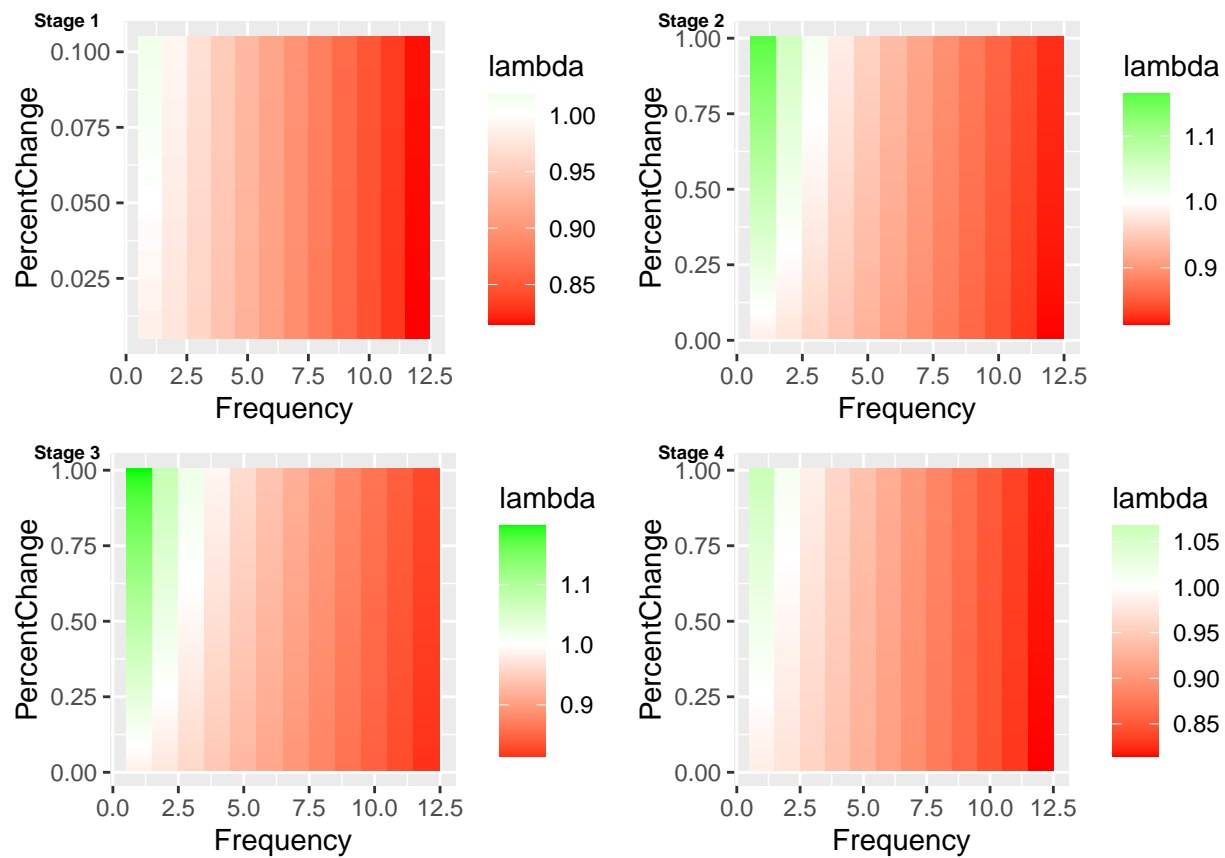


Minimum % survivability change needed to create population increase

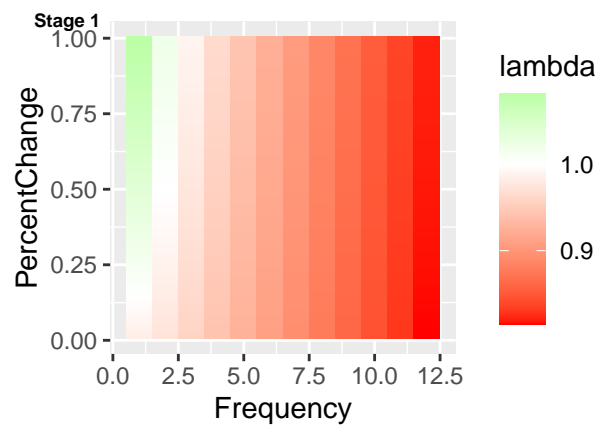


```
## [1] 0.05 0.10 0.09 0.26 0.15
```

```
## $'1'
```



\$'2'



```
##
## attr("class")
## [1] "list"      "ggarrange"
```

```
##           x           y
## 1  0.793013171  0.39299759
## 2  0.522251264  0.03675713
## 3  1.746222241 -1.03208366
## 4 -1.271336123 -1.26486147
## 5  2.197389533 -0.22696529
## 6  0.433130777  0.74558930
## 7 -1.570199630  0.33281918
## 8 -0.934905667 -1.12404046
## 9  0.063493345 -0.70613078
## 10 -0.002393336 -0.72754386
## 11 -2.276781240 -1.83431439
## 12  0.757412225 -0.40768794
## 13 -0.548405554  0.02686119
## 14  0.172549478  0.91162864
## 15  0.562853068  1.63434648
## 16  1.511817959  0.06068561
## 17  0.659025169  1.84757253
## 18  1.122028075  0.08012495
## 19 -0.784641369  1.41855588
## 20 -0.425692289  1.45861594
```

