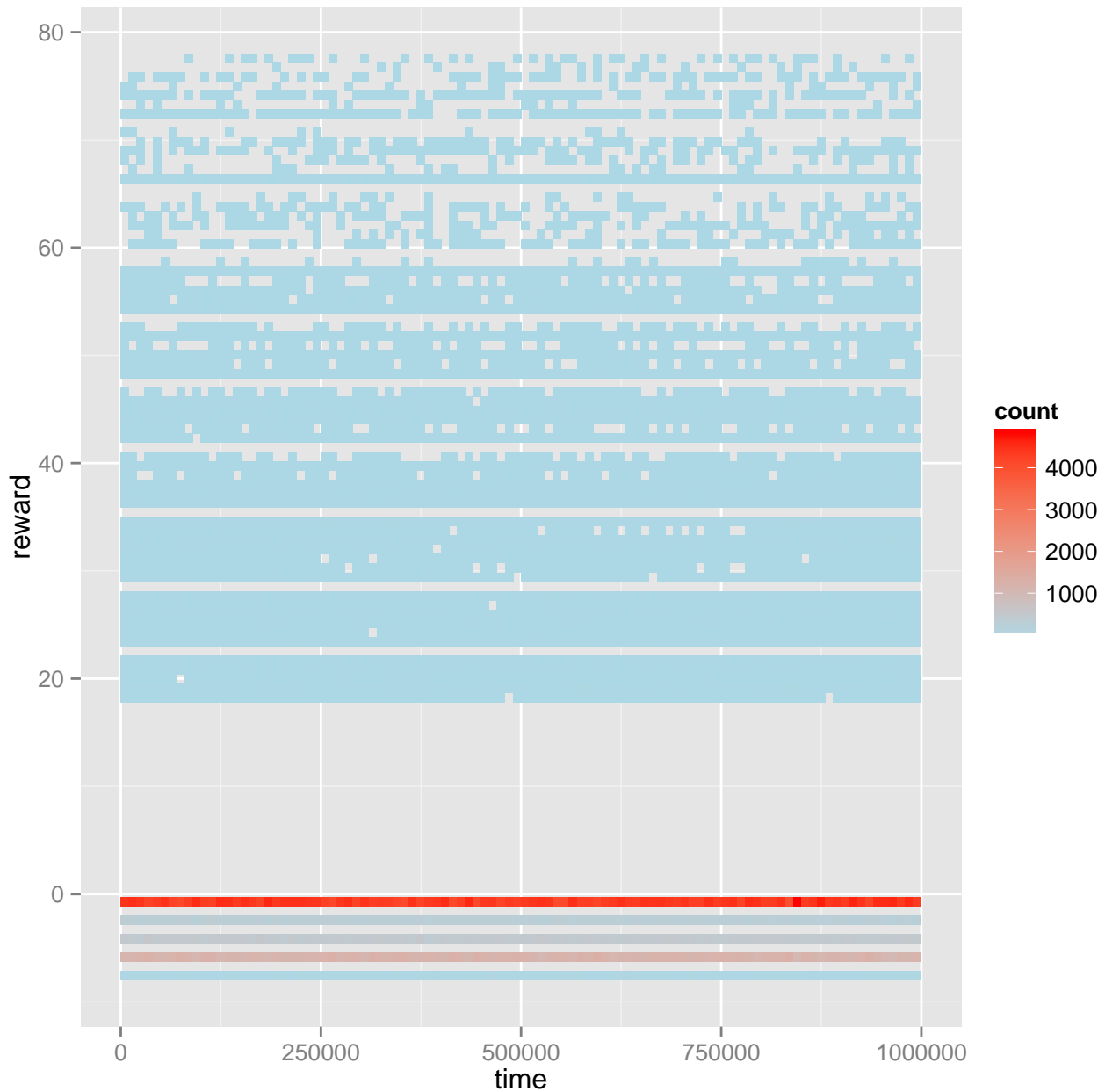Variable Pricing

```
     time                action              reward              busy_for
 Min.   :      1    wait : 13250    Min.   :-8.0      Min.    :1.0
 1st Qu.:250001    offer:343472    1st Qu.:-4.0      1st Qu.:1.0
 Median :500000    drive:316329    Median :-1.0      Median :1.0
 Mean   :500000    NA's :326948    Mean   :-0.6      Mean    :1.5
 3rd Qu.:750000                     3rd Qu.:-1.0      3rd Qu.:2.0
 Max.   :999999                     Max.   :78.0      Max.    :4.0
                                    NA's   :326948    NA's    :326948

 location          destination       passenger           fare
 3   :269795    4   :  27948    declined:158217    Min.   : 20.0
 1   :153126    5   :  35208    accepted: 28572    1st Qu.: 58.0
 4   :132979    2   :  36549    NA's    :813210    Median : 88.0
 2   : 33113    1   :  35748                        Mean   :106.5
 5   : 23845    6   :  34048                        3rd Qu.:144.0
 6   : 60193    3   :  17288                        Max.   :400.0
 NA's:326948    NA's:813210                         NA's   :813210
```

Observed rewards over time

```
Analysis of Variance Table

Response: reward
             Df    Sum Sq Mean Sq F value    Pr(>F)
time          1      2001 2001.17  27.174 1.86e-07 ***
Residuals 673049 49565472   73.64
---
Signif. codes:  0 `***' 0.001 `**' 0.01 `*' 0.05 `.' 0.1 ` '
```
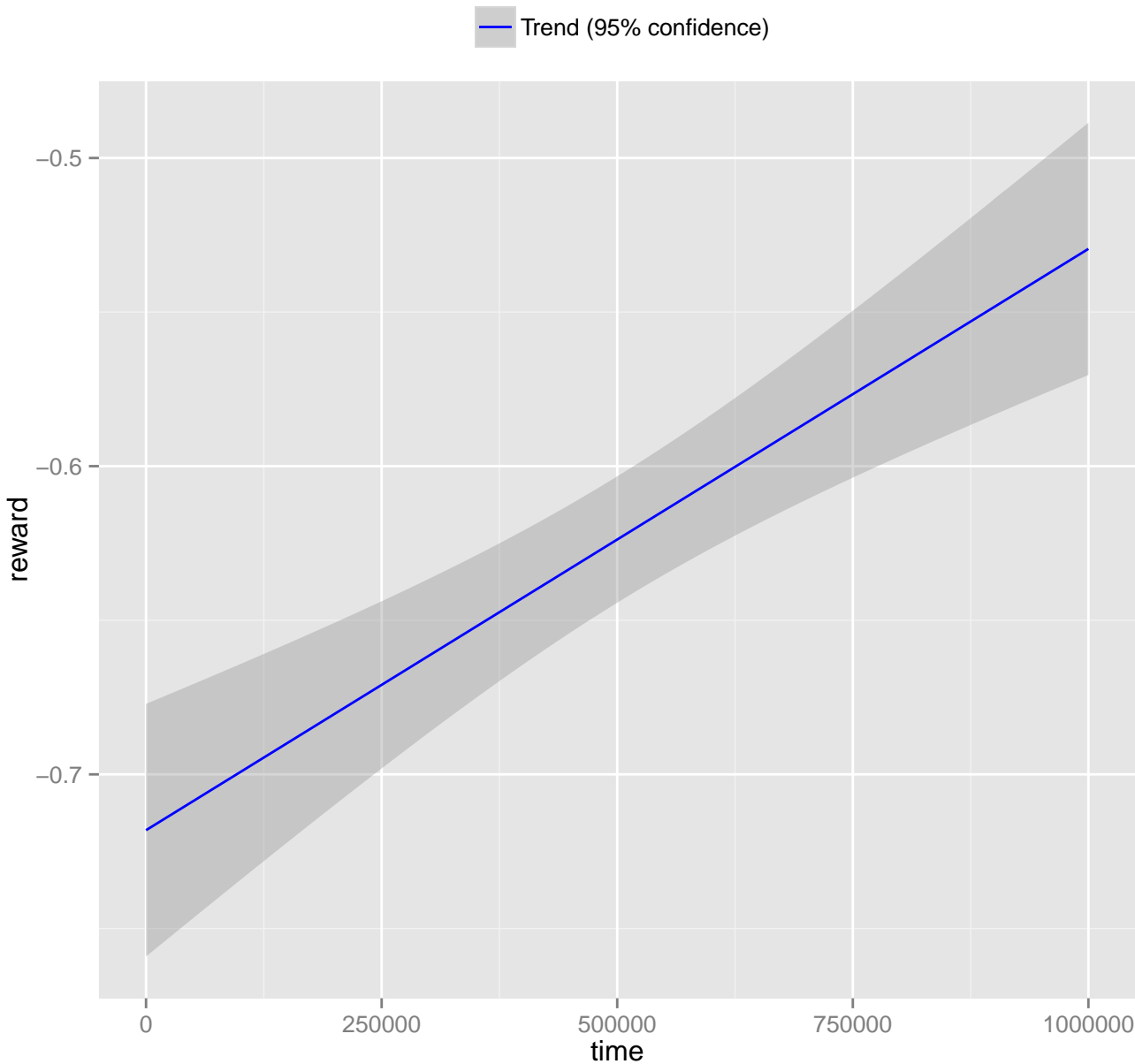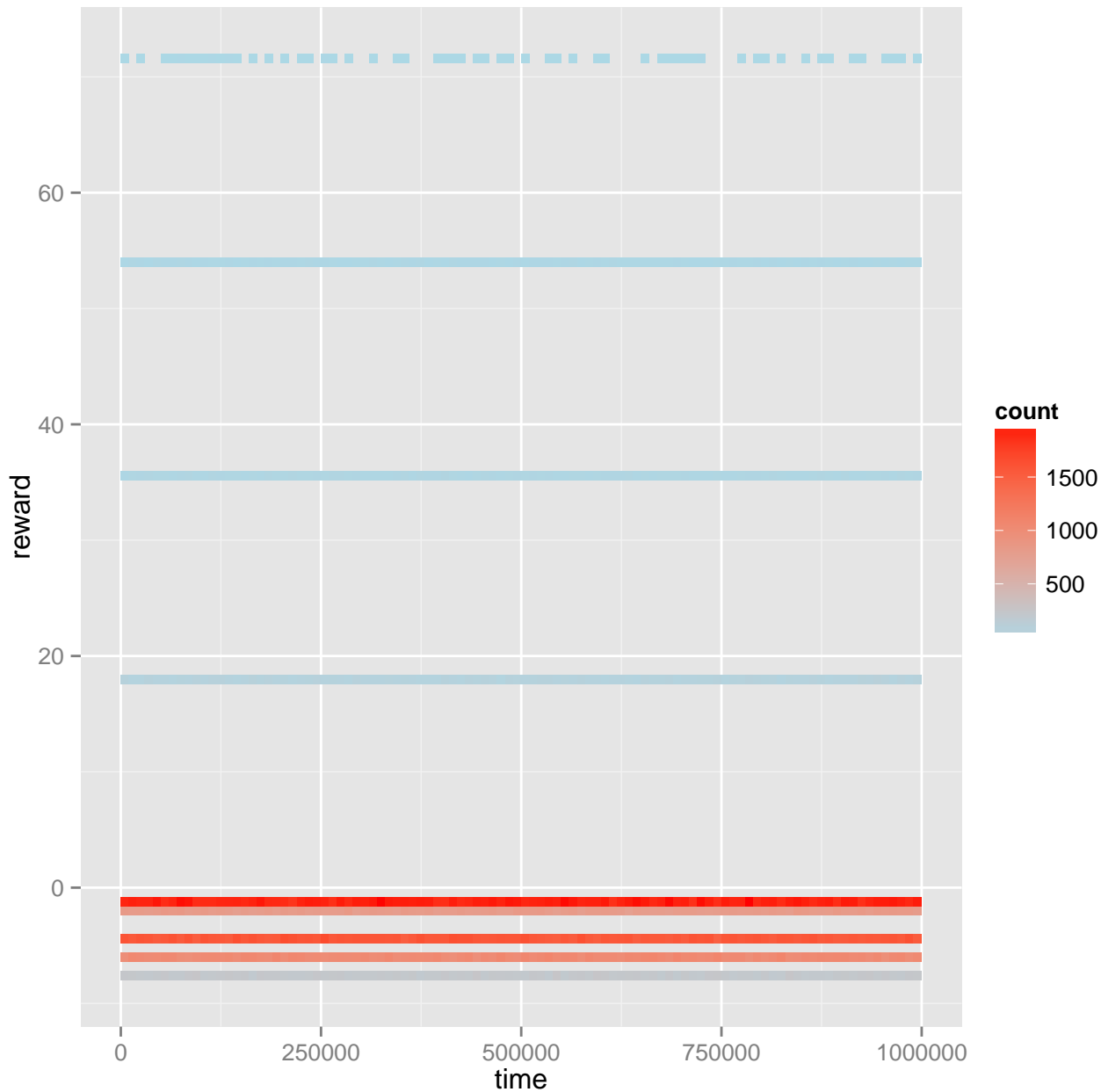
Trend of observed rewards over time

```
      time                action             reward            busy_for
 Min.   :      1    wait :103943    Min.   :-8.0     Min.   :1.0
 1st Qu.: 250001    offer: 29853    1st Qu.:-4.0     1st Qu.:1.0
 Median : 500001    drive:436607    Median :-2.0     Median :1.0
 Mean   : 500001    NA's :429597    Mean   :-2.6     Mean   :1.8
 3rd Qu.: 750000                    3rd Qu.:-1.0     3rd Qu.:2.0
 Max.   :1000000                    Max.   :72.0     Max.   :4.0
                                    NA's   :429597   NA's   :429597
 location          destination         passenger            fare
 4   :104366    5   :   2407    declined:   3290     Min.   :20.0
 1   :127260    4   :   2121    accepted:  12214     1st Qu.:20.0
 6   : 92033    3   :   2665    NA's    :984496      Median :20.0
 5   : 86341    2   :   2922                         Mean   :35.4
 2   : 97871    6   :   2371                         3rd Qu.:40.0
 3   : 62532    1   :   3018                         Max.   :80.0
 NA's:429597    NA's:984496                          NA's   :984496
```

Observed rewards over time

```
Analysis of Variance Table

Response: reward
              Df    Sum Sq Mean Sq F value Pr(>F)
time           1        41  40.984  1.5503 0.2131
Residuals 570401 15079606  26.437
```

Trend of observed rewards over time