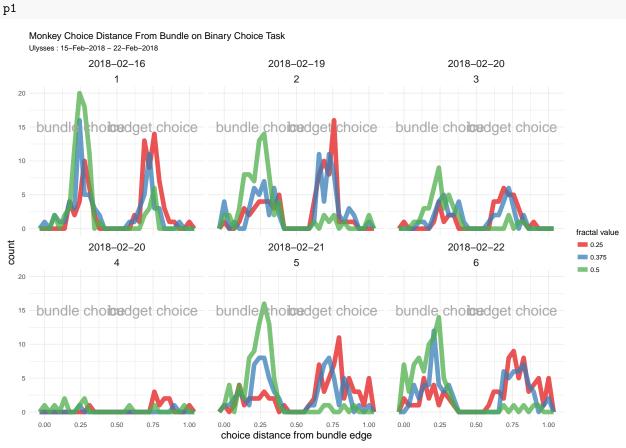
## Binary Choice Analysis

Robert Hickman 22 February 2018

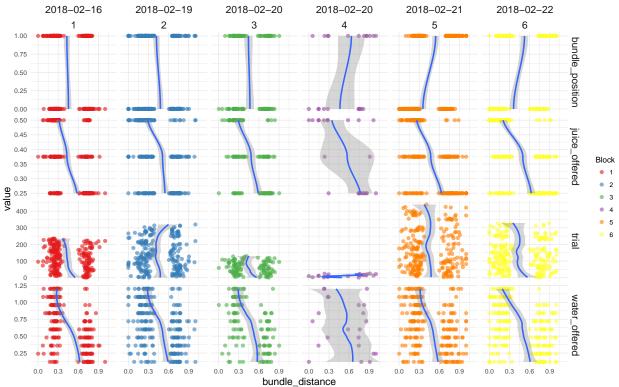
```
monkey <- "Ulysses"</pre>
today <- "22-Feb-2018"
look_back <- "15-Feb-2018"
```



p2



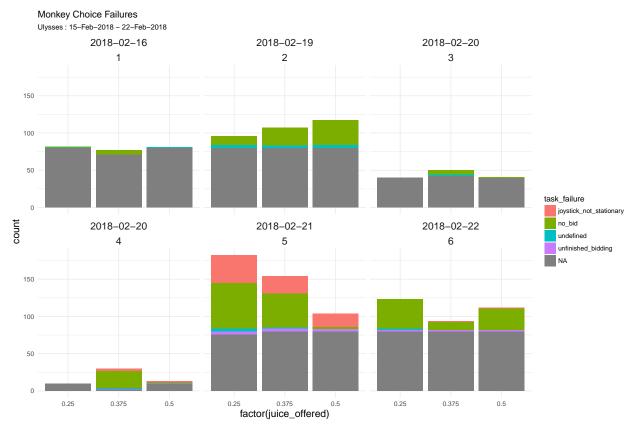
Ulysses: 15-Feb-2018 - 22-Feb-2018



```
##
## Call:
   glm(formula = fractal_choice ~ bundle_position + water_offered +
       juice_offered + trial + date, family = "binomial", data = task_data)
##
## Deviance Residuals:
##
       Min
                 10
                      Median
                                   3Q
                                           Max
                               0.5704
## -3.5852 -0.5284
                      0.1480
                                         2.9650
##
## Coefficients:
                     Estimate Std. Error z value Pr(>|z|)
##
## (Intercept)
                    9.180e+02 7.291e+02
                                           1.259 0.208014
## bundle position -2.060e-01
                              1.755e-01
                                          -1.174 0.240436
## water_offered
                    5.229e+00 3.551e-01
                                          14.726 < 2e-16 ***
## juice_offered
                    1.795e+01
                               1.179e+00
                                          15.220 < 2e-16 ***
## trial
                    3.184e-03 9.339e-04
                                           3.409 0.000651 ***
## date
                   -5.278e-02 4.147e-02 -1.272 0.203205
## ---
```

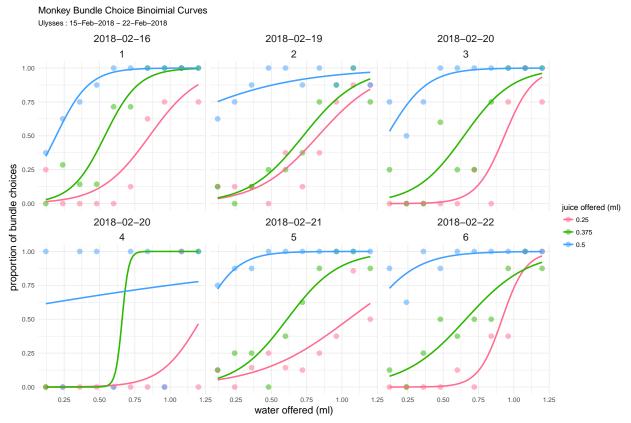
```
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
## Null deviance: 1484.25 on 1090 degrees of freedom
## Residual deviance: 820.09 on 1085 degrees of freedom
## (422 observations deleted due to missingness)
## AIC: 832.09
##
## Number of Fisher Scoring iterations: 6
```

рЗ



p4

p5



## Today's Monkey Bundle Choice Binoimial Curves

