```
R version 3.0.2 (2013-09-25) -- "Frisbee Sailing"
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Platform: x86_64-w64-mingw32/x64 (64-bit)

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  Natural language support but running in an English locale

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```

```
> t.test(behav$RateWingDisBlack, behav$RateWingDisWhite, paired=T)

        Paired t-test

data:  behav$RateWingDisBlack and behav$RateWingDisWhite
t = -3.2736, df = 48, p-value = 0.001973
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
 -0.04572476 -0.01092829
sample estimates:
mean of the differences
          -0.02832652

> t.test(behav$RateOdeBlack, behav$RateOdeWhite, paired=T)

        Paired t-test

data:  behav$RateOdeBlack and behav$RateOdeWhite
t = 1.9175, df = 48, p-value = 0.06113
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
 -0.0001646875  0.0069482659
sample estimates:
mean of the differences
          0.003391789

> t.test(behav$RateMateAttBlack, behav$RateMateAttWhite, paired=T)

        Paired t-test

data:  behav$RateMateAttBlack and behav$RateMateAttWhite
t = 0.2036, df = 48, p-value = 0.8395
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
 -0.003052701  0.003740507
sample estimates:
mean of the differences
          0.0003439026
```

```
> summary(lmer(att~WD+O+MA+back+WD*back+O*back+MA*back+(1|ID),data=behav2))
Linear mixed model fit by REML ['merModLmerTest']
```

```
Formula: att ~ WD + O + MA + back + WD * back + O * back + MA * back +
(1 | ID)
    Data: behav2

REML criterion at convergence: -12.1366

Random effects:
 Groups    Name          Variance Std.Dev.
 ID        (Intercept) 0.002662 0.05159
 Residual              0.061763 0.24852
Number of obs: 98, groups: ID, 49

Fixed effects:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)    0.31321    0.06391   4.901 4.19e-06 ***
WD             3.13491    1.15114   2.723  0.00777 **
O              0.08241    4.33729   0.019  0.98488
MA            18.83230    5.83630   3.227  0.00175 **
backWhite      0.08099    0.10761   0.753  0.45384
WD:backWhite  -0.97033    1.41513  -0.686  0.49475
O:backWhite    1.10454    6.76619   0.163  0.87071
MA:backWhite  -7.68696    7.81354  -0.984  0.32786
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Correlation of Fixed Effects:
             (Intr) WD     O      MA     bckWht WD:bcW O:bckW
WD           -0.434
O             0.027 -0.492
MA           -0.238 -0.356 -0.294
backWhite    -0.585  0.257 -0.018  0.143
WD:backWhit   0.351 -0.809  0.399  0.288 -0.528
O:backWhite  -0.023  0.314 -0.636  0.192 -0.081 -0.366
MA:backWhit   0.184  0.261  0.221 -0.749 -0.278 -0.266 -0.261
>
```