Genuine Anovas

2024-03-07

Genuine Experiment Exploratory analysis

Description: Discrimination task using PEDFE video database State of the data collection:

group n

1 Control 5 ## 2 Experimental 5

Contents

pts

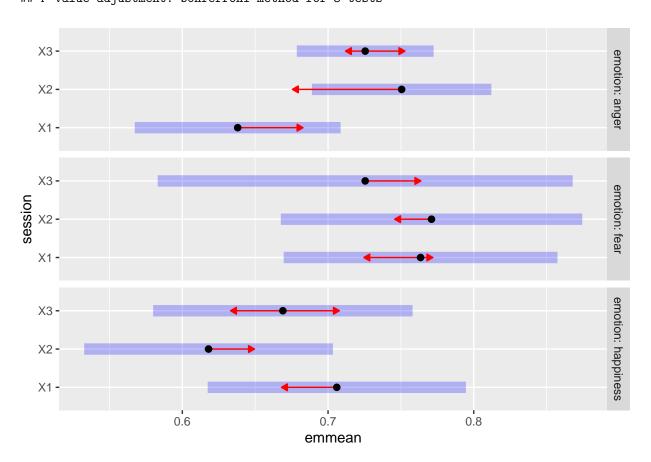
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Anovas

Genuine Accuracy

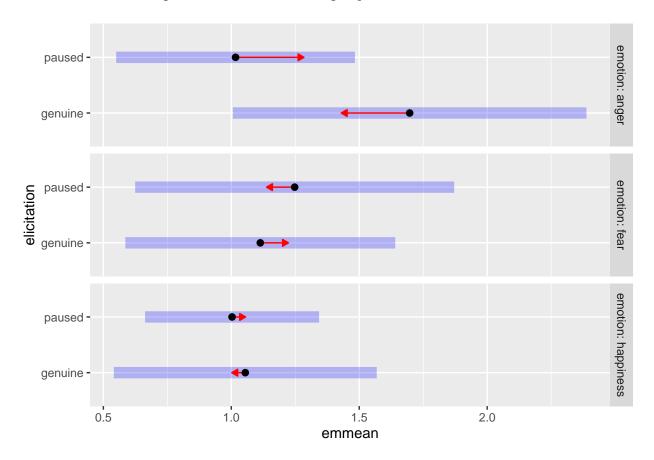
```
## Converting to factor: group
## Contrasts set to contr.sum for the following variables: group
## Anova Table (Type 3 tests)
##
## Response: genuine.acc.mean
##
                                 Effect
                                                  df MSE
                                                                F
                                                                    ges p.value
## 1
                                                1, 8 0.17
                                                                   .003
                                                                            .715
                                  group
                                                             0.14
## 2
                                emotion 1.92, 15.37 0.03
                                                           4.17 *
                                                                   .034
                                                                            .037
## 3
                          group:emotion 1.92, 15.37 0.03
                                                             1.02 .008
                                                                            .380
## 4
                                session 1.89, 15.09 0.01
                                                             0.20 < .001
                                                                            .807
## 5
                          group:session 1.89, 15.09 0.01
                                                             0.06 < .001
                                                                           .934
## 6
                            elicitation
                                                1, 8 0.16
                                                             0.02 < .001
                                                                            .904
## 7
                                                1, 8 0.16
                                                             1.24
                                                                   .029
                                                                            .298
                      group:elicitation
## 8
                        emotion:session 3.33, 26.60 0.01 6.75 **
                                                                   .034
                                                                            .001
## 9
                  group:emotion:session 3.33, 26.60 0.01
                                                             1.71
                                                                   .009
                                                                            .185
## 10
                    emotion:elicitation 1.17, 9.33 0.28
                                                             2.42
                                                                   .102
                                                                            .152
## 11
                                                             0.50
                                                                  .023
                                                                            .523
              group:emotion:elicitation 1.17, 9.33 0.28
## 12
                    session:elicitation 1.35, 10.76 0.04
                                                             0.82 .006
                                                                            .422
## 13
              group:session:elicitation 1.35, 10.76 0.04
                                                             0.21 .001
                                                                           .727
            emotion:session:elicitation 2.72, 21.74 0.02
                                                             0.24
                                                                   .002
                                                                            .850
## 15 group:emotion:session:elicitation 2.72, 21.74 0.02
                                                             1.46 .010
                                                                            .254
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '+' 0.1 ' ' 1
## Sphericity correction method: GG
## $emmeans
## emotion = anger:
  session emmean
                       SE df lower.CL upper.CL
            0.638 0.0306
                          8
                                0.567
                                         0.709
## X2
             0.750 0.0267 8
                                0.689
                                          0.812
##
   ХЗ
             0.726 0.0204 8
                                0.679
                                          0.772
##
## emotion = fear:
##
  session emmean
                       SE df lower.CL upper.CL
##
             0.763 0.0407 8
                                0.670
                                         0.857
##
  X2
             0.771 0.0448 8
                                0.668
                                         0.874
  ХЗ
             0.726 0.0617 8
                                0.583
                                          0.868
##
##
## emotion = happiness:
##
   session emmean
                       SE df lower.CL upper.CL
             0.706 0.0384
                          8
                                0.617
                                         0.795
## X2
             0.618 0.0370
                                0.533
                                          0.703
                           8
##
             0.669 0.0386 8
                                0.580
                                         0.758
##
## Results are averaged over the levels of: group, elicitation
```

```
## Confidence level used: 0.95
##
## $contrasts
## emotion = anger:
   contrast estimate
                        SE df t.ratio p.value
##
  X1 - X2
            -0.1125 0.0420 8 -2.680 0.0838
   X1 - X3
            -0.0875 0.0204 8 -4.295 0.0079
   X2 - X3
              0.0250 0.0331 8 0.755 1.0000
##
##
## emotion = fear:
   contrast estimate
                         SE df t.ratio p.value
  X1 - X2
            -0.0075 0.0309 8 -0.243 1.0000
##
   X1 - X3
              0.0380 0.0349 8
                                1.089 0.9240
##
  X2 - X3
              0.0455 0.0222 8
##
                                2.052 0.2230
##
## emotion = happiness:
##
   contrast estimate
                         SE df t.ratio p.value
   X1 - X2
              0.0880 0.0243 8
                               3.623 0.0203
##
   X1 - X3
              0.0370 0.0280 8
                                1.322 0.6685
   X2 - X3
            -0.0510 0.0236 8 -2.161 0.1880
##
##
## Results are averaged over the levels of: group, elicitation
## P value adjustment: bonferroni method for 3 tests
```



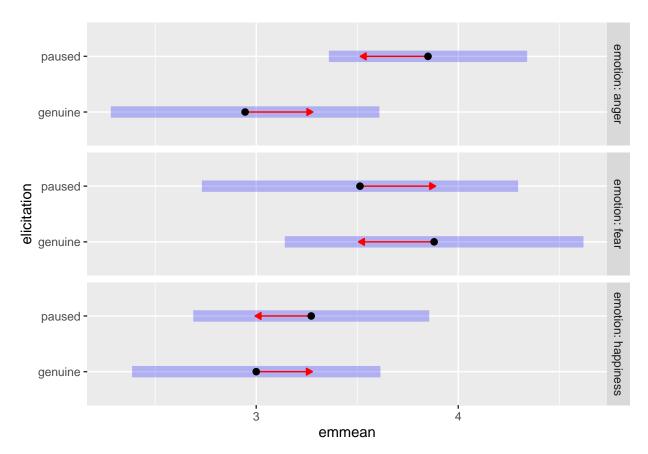
Genuine Rt

```
## Converting to factor: group
## Contrasts set to contr.sum for the following variables: group
## Anova Table (Type 3 tests)
##
## Response: genuine.rt1.mean
                                  Effect
                                                  df MSE
                                                                    ges p.value
                                                1, 8 7.91
## 1
                                                                           .231
                                   group
                                                             1.68
                                                                   .115
## 2
                                 emotion 1.90, 15.17 0.38 4.44 *
                                                                   .031
                                                                           .032
## 3
                                                                           .865
                          group:emotion 1.90, 15.17 0.38
                                                            0.13 < .001
## 4
                                 session 1.43, 11.43 0.50
                                                            2.51
                                                                   .017
                                                                           .134
## 5
                          group:session 1.43, 11.43 0.50
                                                            1.23
                                                                   .008
                                                                           .311
## 6
                             elicitation
                                                1, 8 0.30 5.90 *
                                                                   .017
                                                                           .041
## 7
                      group:elicitation
                                                1, 8 0.30
                                                            0.01 <.001
                                                                           .945
## 8
                        emotion:session 2.55, 20.43 0.36
                                                            0.97
                                                                   .009
                                                                           .416
## 9
                  group:emotion:session 2.55, 20.43 0.36
                                                            0.82
                                                                  .007
                                                                           .480
                                                                           .014
## 10
                    emotion:elicitation 1.73, 13.87 0.51 6.19 *
                                                                   .051
## 11
              group:emotion:elicitation 1.73, 13.87 0.51
                                                                           .844
## 12
                    session:elicitation 1.78, 14.22 0.21
                                                            0.93
                                                                  .003
                                                                           .406
## 13
              group:session:elicitation 1.78, 14.22 0.21
                                                            0.88
                                                                  .003
                                                                           .425
## 14
            emotion:session:elicitation 2.63, 21.07 0.36
                                                            1.26
                                                                  .012
                                                                           .311
## 15 group:emotion:session:elicitation 2.63, 21.07 0.36
                                                            0.61 .006
                                                                           .597
## --
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '+' 0.1 ' ' 1
## Sphericity correction method: GG
## $emmeans
## emotion = anger:
   elicitation emmean
                          SE df lower.CL upper.CL
                  1.70 0.300 8
                                    1.006
                                              2.39
   genuine
##
   paused
                  1.02 0.202 8
                                    0.550
                                              1.48
##
## emotion = fear:
  elicitation emmean
                          SE df lower.CL upper.CL
   genuine
                  1.11 0.229
                                    0.586
                                              1.64
##
                  1.25 0.270 8
                                    0.624
                                              1.87
##
   paused
##
## emotion = happiness:
##
   elicitation emmean
                          SE df lower.CL upper.CL
   genuine
                                    0.541
                                              1.57
##
                  1.05 0.223
                             8
##
   paused
                  1.00 0.147 8
                                    0.663
                                              1.34
##
## Results are averaged over the levels of: group, session
## Confidence level used: 0.95
##
## $contrasts
## emotion = anger:
   contrast
                                   SE df t.ratio p.value
                     estimate
   genuine - paused 0.6803 0.2318 8
                                           2.935 0.0189
```



Genuine slider

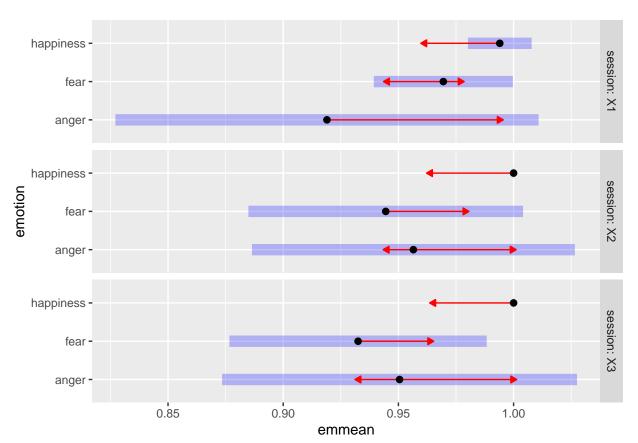
```
## Converting to factor: group
## Contrasts set to contr.sum for the following variables: group
## Anova Table (Type 3 tests)
##
## Response: slider
                                 Effect
                                                  df MSE
                                                               F ges p.value
## 1
                                                1, 8 6.48
                                                            0.42 .017
                                                                          .537
                                  group
## 2
                                emotion 1.97, 15.79 1.66 2.89 + .057
                                                                          .086
## 3
                          group:emotion 1.97, 15.79 1.66
                                                            1.33 .027
                                                                          .293
## 4
                                session 1.72, 13.80 0.52
                                                            0.56 .003
                                                                          .559
## 5
                          group:session 1.72, 13.80 0.52
                                                            0.54 .003
                                                                          .567
## 6
                            elicitation
                                                1, 8 2.60
                                                            1.26 .021
                                                                          .294
## 7
                      group:elicitation
                                                1, 8 2.60
                                                            0.08 .001
                                                                          .785
## 8
                        emotion:session 2.90, 23.20 0.43
                                                            1.54 .012
                                                                          .232
## 9
                  group:emotion:session 2.90, 23.20 0.43
                                                            1.09 .009
                                                                          .373
## 10
                    emotion:elicitation 1.69, 13.48 1.24 5.83 * .072
                                                                          .018
## 11
              group:emotion:elicitation 1.69, 13.48 1.24
                                                            1.17 .015
                                                                          .331
                    session:elicitation 1.59, 12.72 0.96
                                                            0.41 .004
## 12
                                                                          .624
## 13
              group:session:elicitation 1.59, 12.72 0.96
                                                            0.23 .002
                                                                          .750
## 14
            emotion:session:elicitation 3.12, 24.96 0.44
                                                            0.61 .005
                                                                          .618
## 15 group:emotion:session:elicitation 3.12, 24.96 0.44
                                                            1.19 .010
                                                                          .334
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '+' 0.1 ' ' 1
## Sphericity correction method: GG
## $emmeans
## emotion = anger:
   elicitation emmean
                          SE df lower.CL upper.CL
                  2.94 0.288 8
                                    2.28
                                              3.61
   genuine
##
   paused
                  3.85 0.213 8
                                    3.36
                                              4.34
##
## emotion = fear:
  elicitation emmean
                          SE df lower.CL upper.CL
   genuine
                  3.88 0.321 8
                                    3.14
                                              4.62
                  3.51 0.339 8
                                              4.30
##
                                    2.73
   paused
##
## emotion = happiness:
##
   elicitation emmean
                          SE df lower.CL upper.CL
   genuine
                                    2.39
                                              3.61
##
                  3.00 0.267 8
                                    2.69
                                              3.86
   paused
                  3.27 0.253 8
##
## Results are averaged over the levels of: group, session
## Confidence level used: 0.95
##
## $contrasts
## emotion = anger:
   contrast
                                 SE df t.ratio p.value
                     estimate
   genuine - paused -0.905 0.291 8 -3.113 0.0144
```



Emotion Accuracy

```
## Converting to factor: group
## Contrasts set to contr.sum for the following variables: group
## Anova Table (Type 3 tests)
##
## Response: emotion.acc.mean
                                  Effect
                                                  df MSE
                                                                    ges p.value
                                                1, 8 0.03
## 1
                                                                   .022
                                                                           .329
                                   group
                                                            1.08
## 2
                                 emotion 1.33, 10.67 0.05
                                                            1.71
                                                                   .086
                                                                           .224
## 3
                          group:emotion 1.33, 10.67 0.05
                                                            0.39
                                                                  .021
                                                                           .604
## 4
                                session 1.85, 14.76 0.00
                                                                           .598
                                                            0.51
                                                                  .001
## 5
                          group:session 1.85, 14.76 0.00
                                                            2.32
                                                                   .006
                                                                           .135
## 6
                            elicitation
                                                1, 8 0.01 5.34 *
                                                                   .054
                                                                           .050
                                                                   .001
## 7
                      group:elicitation
                                                1, 8 0.01
                                                            0.10
                                                                           .755
## 8
                        emotion:session 2.70, 21.60 0.00 3.57 *
                                                                   .024
                                                                           .034
## 9
                  group:emotion:session 2.70, 21.60 0.00 2.57 +
                                                                           .086
## 10
                    emotion:elicitation 1.94, 15.49 0.01
                                                            1.83
                                                                           .194
              group:emotion:elicitation 1.94, 15.49 0.01
                                                            0.01 <.001
                    session:elicitation 1.86, 14.87 0.00
## 12
                                                            0.03 <.001
                                                                           .960
## 13
              group:session:elicitation 1.86, 14.87 0.00 2.86 +
                                                                           .092
## 14
            emotion:session:elicitation 2.63, 21.06 0.00
                                                                  .002
                                                                           .837
                                                            0.25
## 15 group:emotion:session:elicitation 2.63, 21.06 0.00
                                                            1.44
                                                                           .261
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '+' 0.1 ' 1
## Sphericity correction method: GG
## $emmeans
## session = X1:
   emotion
                         SE df lower.CL upper.CL
              emmean
                                   0.827
   anger
               0.919 0.0398 8
                                            1.011
##
   fear
               0.970 0.0131
                             8
                                   0.939
                                            1.000
##
   happiness 0.994 0.0060 8
                                   0.980
                                            1.008
##
## session = X2:
##
   emotion
                         SE df lower.CL upper.CL
              emmean
##
               0.957 0.0304
                                   0.886
                                            1.027
   anger
                            8
               0.945 0.0258
                                   0.885
                                            1.004
   happiness 1.000 0.0000 8
##
                                   1.000
                                            1.000
##
## session = X3:
   emotion
                         SE df lower.CL upper.CL
              emmean
##
   anger
               0.951 0.0334
                             8
                                   0.873
                                            1.028
##
   fear
               0.932 0.0242
                             8
                                   0.877
                                            0.988
                                   1.000
                                            1.000
##
  happiness 1.000 0.0000
## Results are averaged over the levels of: group, elicitation
## Confidence level used: 0.95
##
## $contrasts
```

```
## session = X1:
##
   contrast
                     estimate
                                  SE df t.ratio p.value
   anger - fear
                     -0.0505 0.0393 8 -1.284 0.7056
##
   anger - happiness -0.0750 0.0423 8
                                        -1.773 0.3426
                      -0.0245 0.0150 8 -1.632 0.4237
##
   fear - happiness
##
## session = X2:
   contrast
##
                                  SE df t.ratio p.value
                     estimate
##
   anger - fear
                       0.0120 0.0470 8
                                          0.255 1.0000
   anger - happiness -0.0435 0.0304 8 -1.431 0.5706
##
   fear - happiness
                      -0.0555 0.0258 8 -2.147 0.1922
##
## session = X3:
   contrast
##
                     estimate
                                  SE df t.ratio p.value
##
   anger - fear
                       0.0180 0.0447 8
                                          0.403 1.0000
   anger - happiness -0.0495 0.0334 8
                                        -1.482 0.5299
##
   fear - happiness
                      -0.0675 0.0242 8 -2.788 0.0709
##
## Results are averaged over the levels of: group, elicitation
## P value adjustment: bonferroni method for 3 tests
```



Emotion slider

```
## Converting to factor: group
## Contrasts set to contr.sum for the following variables: group
## Anova Table (Type 3 tests)
##
## Response: emotion.slider1.mean
                                  Effect
                                                  df
                                                       MSE
                                                                        ges p.value
                                                1, 8 26.39
## 1
                                                                 0.00 < .001
                                                                               .974
                                   group
## 2
                                 emotion 1.68, 13.40 1.66 16.73 ***
                                                                       .146
                                                                              <.001
                                                                       .002
## 3
                           group:emotion 1.68, 13.40
                                                      1.66
                                                                 0.20
                                                                                .786
## 4
                                 session 1.50, 11.98 0.67
                                                                 0.44
                                                                       .002
                                                                               .601
## 5
                           group:session 1.50, 11.98
                                                      0.67
                                                                 0.47 .002
                                                                                .584
## 6
                                                1, 8 0.83
                                                                 0.12 < .001
                                                                                .743
                             elicitation
                                                                 0.00 < .001
## 7
                      group:elicitation
                                                1, 8 0.83
                                                                               .994
## 8
                                                                 0.86
                                                                       .003
                        emotion:session 2.62, 21.00 0.37
                                                                               .464
## 9
                  group:emotion:session 2.62, 21.00
                                                      0.37
                                                                 0.55
                                                                       .002
                                                                               .633
## 10
                    emotion:elicitation 1.94, 15.48  0.58 32.71 ***
                                                                       .119
                                                                              <.001
## 11
              group:emotion:elicitation 1.94, 15.48
                                                                 0.33 .001
                                                      0.58
                                                                               .716
## 12
                    session:elicitation 1.33, 10.60
                                                                 0.06 < .001
                                                      0.50
                                                                               .869
## 13
              group:session:elicitation 1.33, 10.60
                                                                 0.11 < .001
                                                      0.50
                                                                                .818
## 14
            emotion:session:elicitation 2.13, 17.07 0.21
                                                                      .003
                                                                 1.87
                                                                                .183
## 15 group:emotion:session:elicitation 2.13, 17.07 0.21
                                                               4.21 * .007
                                                                               .031
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '+' 0.1 ' ' 1
## Sphericity correction method: GG
## $emmeans
   group = Control, emotion = anger, elicitation = genuine:
    session emmean
                      SE df lower.CL upper.CL
              3.24 0.405
                                 2.31
##
    X1
                          8
                                          4.18
##
    X2
              3.23 0.515
                          8
                                 2.04
                                          4.41
##
   ХЗ
              3.02 0.508
                          8
                                 1.85
                                          4.19
##
## group = Experimental, emotion = anger, elicitation = genuine:
    session emmean
                      SE df lower.CL upper.CL
##
##
              2.95 0.405
                          8
                                 2.02
                                          3.89
##
   X2
              2.66 0.515
                                 1.47
                                          3.85
    ХЗ
              3.25 0.508 8
                                 2.08
                                          4.42
##
##
  group = Control, emotion = fear, elicitation = genuine:
    session emmean
                      SE df lower.CL upper.CL
##
    X1
              5.02 0.472 8
                                 3.93
                                          6.11
##
    X2
              4.90 0.638
                          8
                                 3.43
                                          6.37
##
   ХЗ
              5.35 0.558
                          8
                                 4.07
                                          6.64
##
## group = Experimental, emotion = fear, elicitation = genuine:
##
                      SE df lower.CL upper.CL
    session emmean
##
  X1
              5.31 0.472
                          8
                                 4.22
                                          6.40
              5.26 0.638
                                 3.79
                                          6.73
##
  Х2
                          8
```

```
5.18 0.558 8
##
                                3.89
                                         6.47
##
## group = Control, emotion = happiness, elicitation = genuine:
   session emmean
                      SE df lower.CL upper.CL
##
              4.30 0.636 8
                                2.83
                                         5.77
##
  X2
              4.10 0.627 8
                                2.65
                                         5.55
##
   ХЗ
              3.70 0.676 8
                                2.14
                                         5.26
##
## group = Experimental, emotion = happiness, elicitation = genuine:
                      SE df lower.CL upper.CL
   session emmean
              3.96 0.636
                         8
                                2.50
              4.12 0.627
                                2.68
                                         5.57
##
   X2
                          8
              3.93 0.676
                                2.37
##
   ХЗ
                                         5.48
##
## group = Control, emotion = anger, elicitation = paused:
   session emmean
                      SE df lower.CL upper.CL
##
              4.50 0.665 8
                                2.97
                                         6.03
   X1
              4.23 0.746
                                         5.95
##
   X2
                         8
                                2.51
              4.35 0.575 8
##
   ХЗ
                                3.03
                                         5.68
##
## group = Experimental, emotion = anger, elicitation = paused:
   session emmean
                      SE df lower.CL upper.CL
              4.69 0.665 8
##
   Х1
                                3.16
                                         6.22
##
   X2
              4.35 0.746
                          8
                                2.63
                                         6.07
                                2.84
                                         5.49
##
  ХЗ
              4.16 0.575 8
## group = Control, emotion = fear, elicitation = paused:
                      SE df lower.CL upper.CL
##
   session emmean
##
   X1
              4.42 0.601
                         8
                                3.04
                                         5.81
              4.47 0.694 8
                                2.87
##
  X2
                                         6.07
              4.40 0.668 8
##
   ХЗ
                                2.86
                                         5.94
##
## group = Experimental, emotion = fear, elicitation = paused:
   session emmean
                      SE df lower.CL upper.CL
##
   X1
              4.38 0.601 8
                                2.99
                                         5.76
##
   X2
              4.41 0.694
                         8
                                2.81
                                         6.01
##
   ХЗ
              4.81 0.668
                         8
                                3.27
                                         6.35
##
## group = Control, emotion = happiness, elicitation = paused:
##
   session emmean
                      SE df lower.CL upper.CL
              3.75 0.547
                                2.49
                                         5.01
                          8
##
  X2
              3.70 0.730
                         8
                                2.02
                                         5.38
              3.45 0.717 8
                                1.80
                                         5.10
##
##
## group = Experimental, emotion = happiness, elicitation = paused:
   session emmean
                      SE df lower.CL upper.CL
##
              3.48 0.547 8
##
   X1
                                2.21
                                         4.74
##
              3.13 0.730 8
                                1.45
                                         4.81
  Х2
              3.65 0.717 8
##
  Х3
                                2.00
                                         5.31
##
## Confidence level used: 0.95
##
## $contrasts
## group = Control, emotion = anger, elicitation = genuine:
```

```
## contrast estimate
                        SE df t.ratio p.value
                               0.066 1.0000
## X1 - X2
              0.018 0.272 8
## X1 - X3
               0.222 0.225
                           8
                                0.989 1.0000
## X2 - X3
               0.204 0.130 8
                               1.564 0.4690
## group = Experimental, emotion = anger, elicitation = genuine:
## contrast estimate
                        SE df t.ratio p.value
## X1 - X2
              0.292 0.272 8
                               1.073 0.9443
              -0.298 0.225 8 -1.327 0.6632
   X1 - X3
## X2 - X3
              -0.590 0.130 8 -4.525 0.0058
##
## group = Control, emotion = fear, elicitation = genuine:
## contrast estimate
                        SE df t.ratio p.value
## X1 - X2
              0.120 0.365 8 0.329 1.0000
## X1 - X3
              -0.334 0.477 8 -0.700 1.0000
## X2 - X3
              -0.454 0.477 8 -0.952 1.0000
##
## group = Experimental, emotion = fear, elicitation = genuine:
## contrast estimate
                        SE df t.ratio p.value
## X1 - X2
               0.052 0.365 8
                               0.142 1.0000
               0.128 0.477 8
## X1 - X3
                               0.268 1.0000
## X2 - X3
               0.076 0.477 8
                               0.159 1.0000
##
## group = Control, emotion = happiness, elicitation = genuine:
## contrast estimate
                        SE df t.ratio p.value
## X1 - X2
               0.200 0.238 8
                               0.840 1.0000
## X1 - X3
               0.600 0.419 8
                                1.432 0.5702
   X2 - X3
               0.400 0.250 8
                               1.597 0.4468
##
##
## group = Experimental, emotion = happiness, elicitation = genuine:
## contrast estimate
                        SE df t.ratio p.value
## X1 - X2
              -0.160 0.238 8 -0.672 1.0000
## X1 - X3
               0.038 0.419 8
                               0.091 1.0000
## X2 - X3
               0.198 0.250 8
                               0.791 1.0000
## group = Control, emotion = anger, elicitation = paused:
## contrast estimate
                        SE df t.ratio p.value
## X1 - X2
              0.274 0.296 8
                               0.926 1.0000
## X1 - X3
               0.146 0.333 8
                               0.438 1.0000
              -0.128 0.341 8 -0.376 1.0000
## X2 - X3
##
## group = Experimental, emotion = anger, elicitation = paused:
## contrast estimate
                        SE df t.ratio p.value
              0.342 0.296 8
## X1 - X2
                               1.155 0.8440
## X1 - X3
               0.526 0.333
                           8
                               1.579 0.4590
## X2 - X3
               0.184 0.341 8
                               0.540 1.0000
## group = Control, emotion = fear, elicitation = paused:
## contrast estimate
                        SE df t.ratio p.value
## X1 - X2
              -0.050 0.321 8 -0.156 1.0000
## X1 - X3
               0.026 0.425 8
                               0.061 1.0000
## X2 - X3
               0.076 0.249 8
                               0.305 1.0000
##
## group = Experimental, emotion = fear, elicitation = paused:
```

```
contrast estimate
                       SE df t.ratio p.value
##
   X1 - X2
              -0.034 0.321 8 -0.106 1.0000
   X1 - X3
              -0.430 0.425 8 -1.011 1.0000
##
              -0.396 0.249 8 -1.588 0.4526
   X2 - X3
##
##
## group = Control, emotion = happiness, elicitation = paused:
  contrast estimate
                       SE df t.ratio p.value
                               0.194 1.0000
  X1 - X2
               0.050 0.257 8
##
##
   X1 - X3
               0.300 0.278 8
                               1.077 0.9383
               0.250 0.164 8
##
   X2 - X3
                               1.529 0.4943
##
## group = Experimental, emotion = happiness, elicitation = paused:
## contrast estimate
                       SE df t.ratio p.value
## X1 - X2
              0.348 0.257 8
                              1.352 0.6403
## X1 - X3
              -0.176 0.278 8 -0.632 1.0000
## X2 - X3
              -0.524 0.164 8 -3.205 0.0376
##
```

