Piceda et al. 2023 - Elevation as an Auditory Cue for Distance Perception

2024-03-04

Data entry

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
rm(list=ls())
results_tbl <- read.csv("./DatosUnificados/Dresults.csv", header = TRUE, sep = ',', stringsAsFactors = '
```

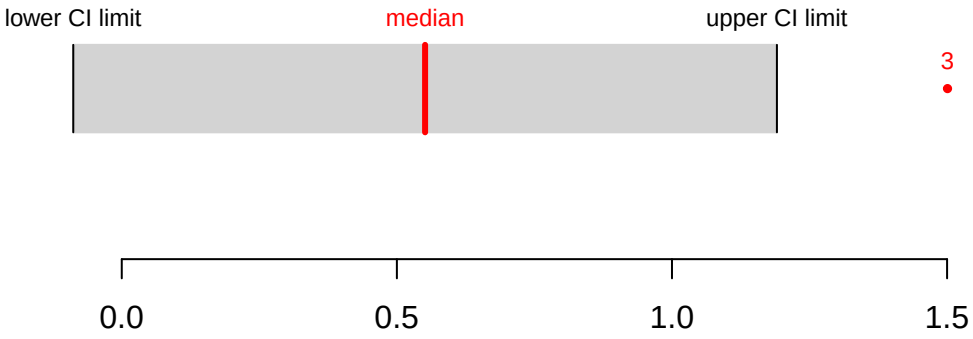
Analysis outliers

You can also embed plots, for example:

```
## `summarise()` has grouped output by 'subject'. You can override using the
## `.groups` argument.
```

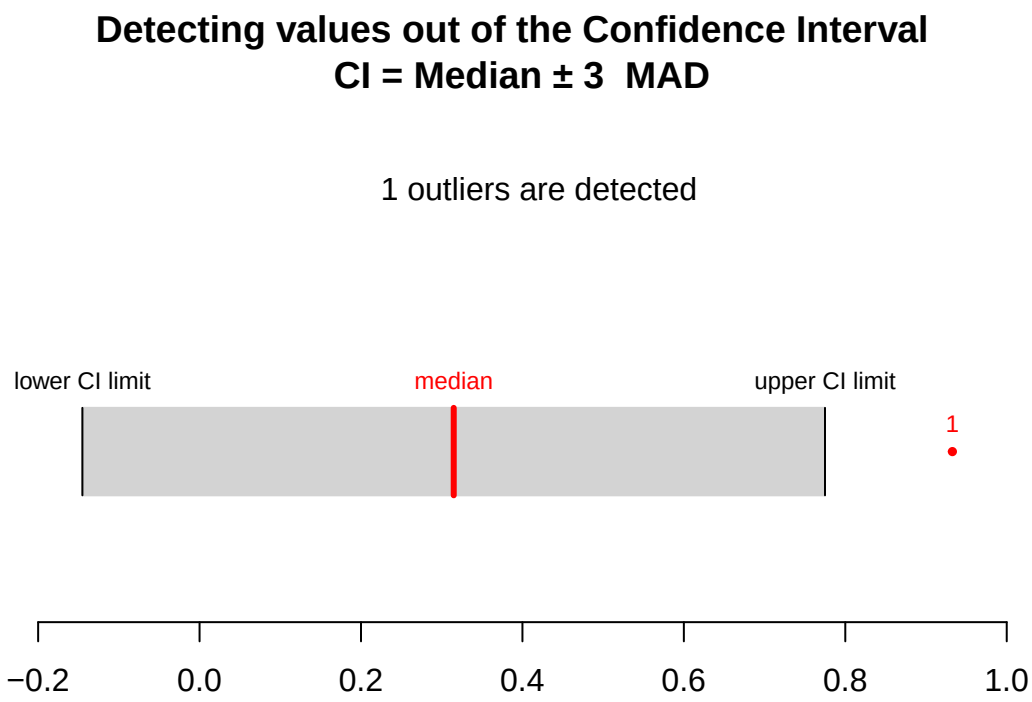
Detecting values out of the Confidence Interval
CI = Median ± 3 MAD

1 outliers are detected




```
## # A tibble: 1 x 3
##   subject condition mBiasUnsigned
##   <fct>   <fct>             <dbl>
## 1 S003    Ear level          1.50

## `summarise()` has grouped output by 'subject'. You can override using the
## `.groups` argument.
```



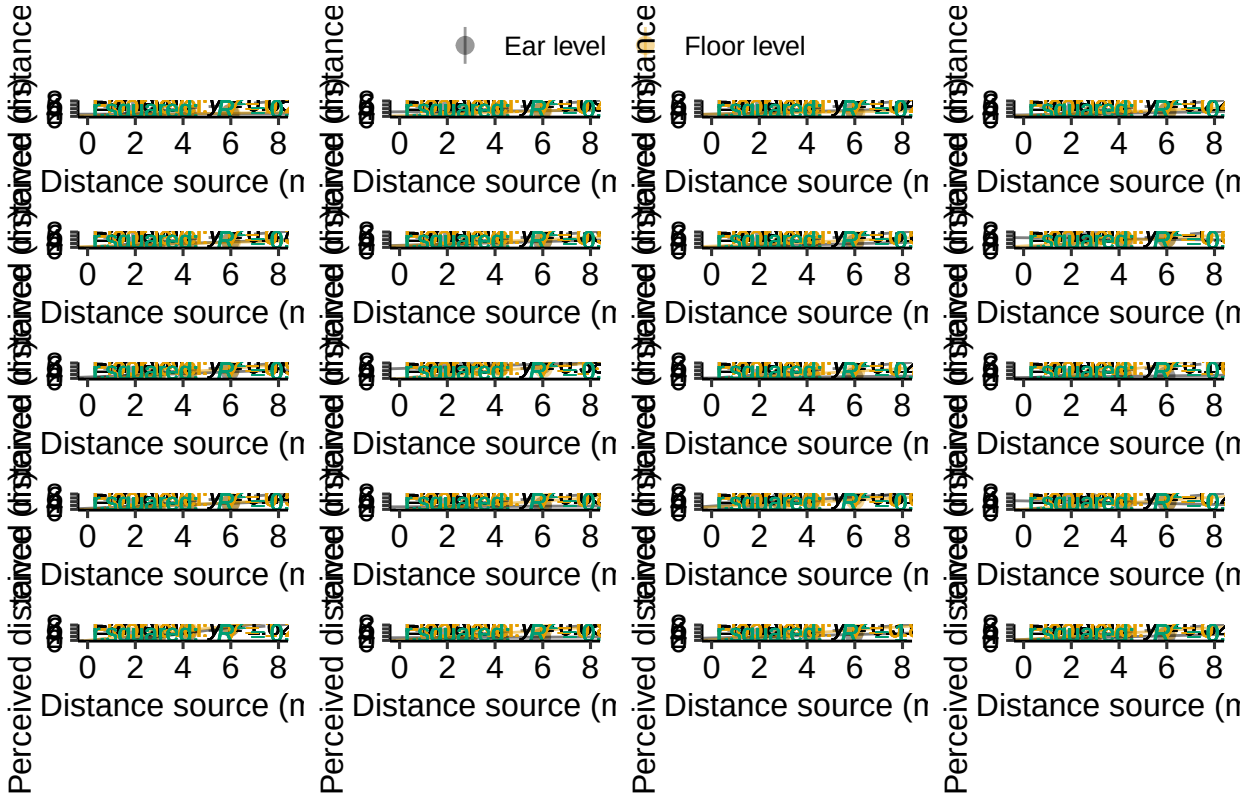

```
## # A tibble: 1 x 3
##   subject condition   mBiasUnsigned
##   <fct>   <fct>               <dbl>
## 1 S001    Floor level         0.933
```

Analysis perceived distance LINEAL

You can also embed plots, for example:

```
## [1] 1
## [1] "S002"
## [1] 2
## [1] "S004"
## [1] 3
## [1] "S005"
## [1] 4
## [1] "S006"
## [1] 5
## [1] "S007"
## [1] 6
## [1] "S008"
## [1] 7
## [1] "S009"
## [1] 8
## [1] "S010"
```

```
## [1] 9
## [1] "S011"
## [1] 10
## [1] "S012"
## [1] 11
## [1] "S013"
## [1] 12
## [1] "S014"
## [1] 13
## [1] "S015"
## [1] 14
## [1] "S016"
## [1] 15
## [1] "S017"
## [1] 16
## [1] "S018"
## [1] 17
## [1] "S019"
## [1] 18
## [1] "S020"
## [1] 19
## [1] "S021"
## [1] 20
## [1] "S022"
```

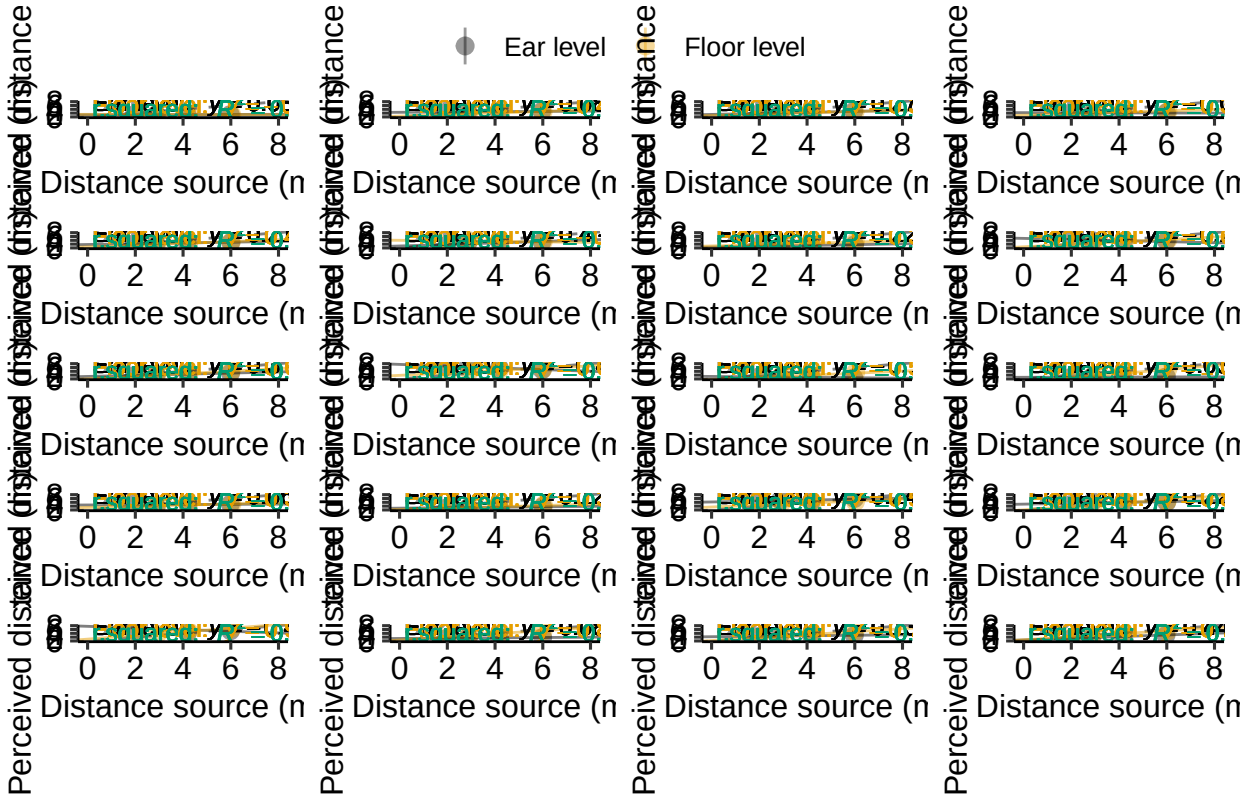



```
## [1] 1
```

```
## [1] "S002"
## [1] 2
## [1] "S004"
## [1] 3
## [1] "S005"
## [1] 4
## [1] "S006"
## [1] 5
## [1] "S007"
## [1] 6
## [1] "S008"
## [1] 7
## [1] "S009"
## [1] 8
## [1] "S010"
## [1] 9
## [1] "S011"
## [1] 10
## [1] "S012"
## [1] 11
## [1] "S013"
## [1] 12
## [1] "S014"
## [1] 13
## [1] "S015"
## [1] 14
## [1] "S016"
## [1] 15
## [1] "S017"
## [1] 16
## [1] "S018"
## [1] 17
## [1] "S019"
## [1] 18
## [1] "S020"
## [1] 19
## [1] "S021"
## [1] 20
## [1] "S022"

## Warning: Removed 2 rows containing missing values (`geom_segment()`).

## Warning: Removed 1 rows containing missing values (`geom_pointrange()`).
```



Analysis perceived distance LOG

You can also embed plots, for example:

```
## [1] 1
## [1] "S002"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 2
## [1] "S004"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 3
## [1] "S005"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 4
## [1] "S006"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado
```

```
## [1] 5
## [1] "S007"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 6
## [1] "S008"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 7
## [1] "S009"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 8
## [1] "S010"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 9
## [1] "S011"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 10
## [1] "S012"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 11
## [1] "S013"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 12
## [1] "S014"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 13
## [1] "S015"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 14
## [1] "S016"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado
```

```
## [1] 15
## [1] "S017"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 16
## [1] "S018"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 17
## [1] "S019"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 18
## [1] "S020"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 19
## [1] "S021"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 20
## [1] "S022"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## Warning: Removed 22 rows containing missing values (`geom_line()`).

## Warning: Removed 200 rows containing missing values (`geom_line()`).

## Warning: Removed 170 rows containing missing values (`geom_line()`).

## Warning: Removed 352 rows containing missing values (`geom_line()`).

## [1] 1
## [1] "S002"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 2
## [1] "S004"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado
```

```
## [1] 3
## [1] "S005"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 4
## [1] "S006"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 5
## [1] "S007"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 6
## [1] "S008"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 7
## [1] "S009"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 8
## [1] "S010"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 9
## [1] "S011"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 10
## [1] "S012"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 11
## [1] "S013"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 12
## [1] "S014"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado
```

```
## [1] 13
## [1] "S015"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 14
## [1] "S016"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 15
## [1] "S017"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 16
## [1] "S018"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 17
## [1] "S019"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 18
## [1] "S020"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 19
## [1] "S021"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## [1] 20
## [1] "S022"

## Warning in rm("earlevel", "floorlevel"): objeto 'floorlevel' no encontrado

## Warning: Removed 2 rows containing missing values (`geom_segment()`).

## Warning: Removed 29 rows containing missing values (`geom_line()`).

## Warning: Removed 34 rows containing missing values (`geom_line()`).

## Warning: Removed 1 rows containing missing values (`geom_pointrange()`).

## Warning: Removed 33 rows containing missing values (`geom_line()`).
```

Analysis perceived distance MEAN (LMEM)

You can also embed plots, for example:

```
## boundary (singular) fit: see help('isSingular')
```

```
## Warning: Log-likelihood is corrected for models with transformed response.
##   However, this ignores `REML=TRUE`. Log-likelihood value is probably
##   inaccurate.
```

```
## Warning: Log-likelihood is corrected for models with transformed response.
##   However, this ignores `REML=TRUE`. Log-likelihood value is probably
##   inaccurate.
```

```
## Random effect variances not available. Returned R2 does not account for random effects.
```

```
## Number of labels is greater than default palette color count.
## * Select another color `palette` (and/or `package`).
```

```
## $subtitle_data
## NULL
##
## $caption_data
## NULL
##
## $pairwise_comparisons_data
## NULL
##
## $descriptive_data
## NULL
##
## $one_sample_data
## NULL
##
## $tidy_data
## # A tibble: 8 x 13
##   term                                      estimate std.error conf.level
##   <fct>                                        <dbl>     <dbl>      <dbl>
## 1 (Intercept)                                 0.0311    0.0679       0.95
## 2 log10(target_distance)                      0.508     0.0988       0.95
## 3 conditionFloor level                       -0.188     0.0794       0.95
## 4 log10(target_distance):conditionFloor level  0.502     0.139        0.95
## 5 SD (Intercept)                              0.171    NA            0.95
## 6 SD (log10(target_distance))                 0.0297   NA            0.95
## 7 Cor (Intercept~log10(target_distance))     -1        NA            0.95
## 8 SD (Observations)                           0.157    NA            0.95
##   conf.low conf.high statistic df.error      p.value effect group
##      <dbl>     <dbl>     <dbl>    <int>        <dbl> <chr>  <chr>
## 1   -0.103    0.165      0.457      152  0.648       fixed  ""
## 2    0.313    0.703      5.14       152  0.000000815 fixed  ""
## 3   -0.345   -0.0311    -2.37       152  0.0192      fixed  ""
## 4    0.226    0.777      3.60       152  0.000433    fixed  ""
## 5   NA       NA         NA           NA NA           random "subject"
```

```
## 6   NA       NA         NA           NA NA           random "subject"
## 7   NA       NA         NA           NA NA           random "subject"
## 8   NA       NA         NA           NA NA           random "Residual"
##   conf.method expression
##   <chr>       <list>
## 1 residual    <language>
## 2 residual    <language>
## 3 residual    <language>
## 4 residual    <language>
## 5 residual    <NULL>
## 6 residual    <NULL>
## 7 residual    <NULL>
## 8 residual    <NULL>
##
## $glance_data
## # A tibble: 1 x 8
##     AIC  AICc   BIC R2_conditional R2_marginal  RMSE Sigma expression
##   <dbl> <dbl> <dbl> <lgl>                <dbl> <dbl> <dbl> <list>
## 1  456.  457.  481. NA                   0.473 0.146 0.157 <expression>
```

```
## Warning: 'r.squaredGLMM' now calculates a revised statistic. See the help page.
```

```
##            R2m       R2c
## [1,] 0.3127615 0.6519393
```

```
## Type III Analysis of Variance Table with Satterthwaite's method
##                                  Sum Sq Mean Sq NumDF  DenDF  F value
## log10(target_distance)           2.89510 2.89510     1 121.85 117.5434
## condition                        0.13799 0.13799     1 137.00   5.6027
## log10(target_distance):condition 0.31892 0.31892     1 137.00  12.9484
##                                     Pr(>F)
## log10(target_distance)           < 2.2e-16 ***
## condition                        0.0193320 *
## log10(target_distance):condition 0.0004463 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
## Warning: fonts used in ‘flextable‘ are ignored because the ‘pdflatex‘ engine is
## used and not ‘xelatex‘ or ‘lualatex‘. You can avoid this warning by using the
## ‘set_flextable_defaults(fonts_ignore=TRUE)‘ command or use a compatible engine
## by defining ‘latex_engine: xelatex‘ in the YAML header of the R Markdown
## document.
```

Predictors	*NumDF*	*DenDF*	*F.value*	*Pr..F.*
Target distance	1	121.8	117.5	**<0.001**
Condition	1	137.0	5.6	**0.019**
Target distance:Condition	1	137.0	12.9	**<0.001**

Perceived distance

Predictors

Estimates

CI 95%

Statistic

p.value

Intercept

0.03

-0.10 – 0.17

0.46

0.648

Target distance

0.51

0.31 – 0.70

5.14

<0.001

Condition (Floor level)

-0.19

-0.34 – -0.03

-2.37

0.019

Target distance * Condition (Floor level)

0.50

0.23 – 0.78

3.60

<0.001

N subject

20

Observations

160

Marginal R2 / Conditional R2

0.473 / NA

```
## Warning: Log-likelihood is corrected for models with transformed response.
##   However, this ignores ‘REML=TRUE‘. Log-likelihood value is probably
##   inaccurate.
```

```
## Warning: Log-likelihood is corrected for models with transformed response.
##   However, this ignores ‘REML=TRUE‘. Log-likelihood value is probably
##   inaccurate.
```

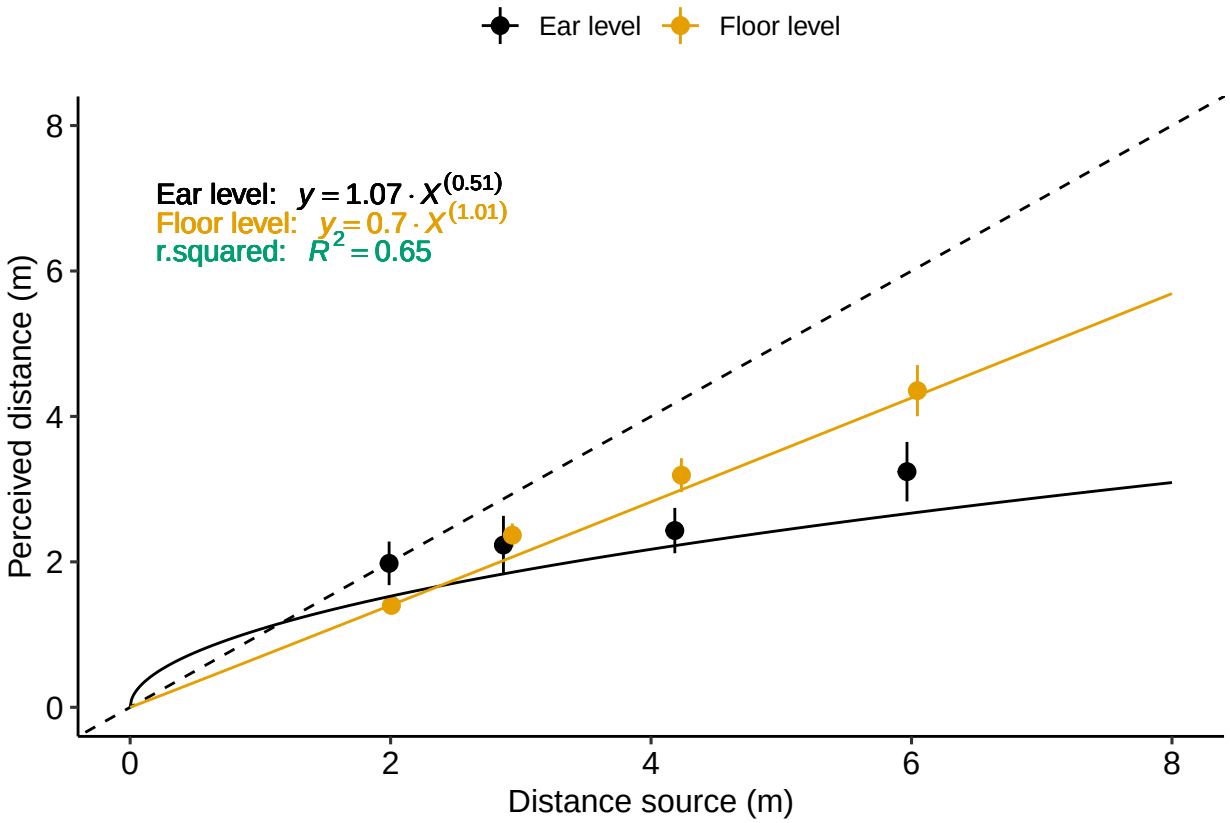
```
## Number of labels is greater than default palette color count.
## * Select another color ‘palette‘ (and/or ‘package‘).

## $subtitle_data
## NULL
##
## $caption_data
## NULL
##
## $pairwise_comparisons_data
## NULL
##
## $descriptive_data
## NULL
##
## $one_sample_data
## NULL
##
## $tidy_data
## # A tibble: 8 x 13
##   term                                      estimate std.error conf.level
##   <fct>                                        <dbl>     <dbl>      <dbl>
## 1 (Intercept)                                 0.0311    0.0677       0.95
## 2 log10(target_distance)                      0.508     0.0990       0.95
## 3 conditionFloor level                       -0.188     0.0796       0.95
## 4 log10(target_distance):conditionFloor level  0.502     0.140        0.95
## 5 SD (Intercept)                              0.166    NA            0.95
## 6 SD (log10(target_distance))                 0.0289   NA            0.95
## 7 Cor (Intercept~log10(target_distance))     -1        NA            0.95
## 8 SD (Observations)                           0.155    NA            0.95
##   conf.low conf.high statistic df.error      p.value effect group
##      <dbl>     <dbl>     <dbl>    <dbl>        <dbl> <chr>  <chr>
## 1   -0.101    0.163      0.459      137  0.647       fixed  ""
## 2    0.315    0.701      5.14       137  0.000000946 fixed  ""
## 3   -0.343   -0.0326    -2.36       137  0.0196      fixed  ""
## 4    0.229    0.774      3.59       137  0.000457    fixed  ""
## 5   NA       NA         NA           NA NA           random "subject"
## 6   NA       NA         NA           NA NA           random "subject"
## 7   NA       NA         NA           NA NA           random "subject"
## 8   NA       NA         NA           NA NA           random "Residual"
##   conf.method expression
##   <chr>       <list>
## 1 residual    <language>
## 2 residual    <language>
## 3 residual    <language>
## 4 residual    <language>
## 5 residual    <NULL>
## 6 residual    <NULL>
## 7 residual    <NULL>
## 8 residual    <NULL>
##
## $glance_data
## # A tibble: 1 x 9
##     AIC  AICc   BIC R2_conditional R2_marginal   ICC  RMSE Sigma expression
```

```
##   <dbl> <dbl> <dbl>          <dbl>       <dbl> <dbl> <dbl> <dbl> <list>
## 1  456.  457.  481.          0.650       0.321 0.485 0.146 0.155 <expression>
```

```
##                                   numDF denDF   F-value p-value
## (Intercept)                           1   137 111.75153  <.0001
## log10(target_distance)                1   137 117.14738  <.0001
## condition                             1   137  11.27649   1e-03
## log10(target_distance):condition      1   137  12.90103   5e-04
```

```
## `summarise()` has grouped output by 'target_distance'. You can override using
## the `.groups` argument.
```




```
## boundary (singular) fit: see help('isSingular')
```

```
## Warning: Log-likelihood is corrected for models with transformed response.
##   However, this ignores `REML=TRUE`. Log-likelihood value is probably
##   inaccurate.
```

```
## Warning: Log-likelihood is corrected for models with transformed response.
##   However, this ignores `REML=TRUE`. Log-likelihood value is probably
##   inaccurate.
```

```
## Number of labels is greater than default palette color count.
## * Select another color `palette` (and/or `package`).
```

```
## $subtitle_data
## NULL
##
## $caption_data
## NULL
##
## $pairwise_comparisons_data
## NULL
##
## $descriptive_data
## NULL
##
## $one_sample_data
## NULL
##
## $tidy_data
## # A tibble: 8 x 13
##   term                                        estimate std.error conf.level
##   <fct>                                          <dbl>     <dbl>      <dbl>
## 1 (Intercept)                                    0.265     0.0636      0.95
## 2 log10(target_distance)                         0.180     0.0833      0.95
## 3 conditionFloor level                          -0.292     0.0670      0.95
## 4 log10(target_distance):conditionFloor level    0.592     0.118       0.95
## 5 SD (Intercept)                                 0.190    NA           0.95
## 6 SD (log10(target_distance))                    0.0213   NA           0.95
## 7 Cor (Intercept~log10(target_distance))        -1.00     NA           0.95
## 8 SD (Observations)                              0.132    NA           0.95
##   conf.low conf.high statistic df.error     p.value effect group
##      <dbl>     <dbl>     <dbl>    <int>       <dbl> <chr>  <chr>
## 1   0.139      0.390      4.16      152  0.0000531  fixed  ""
## 2   0.0154     0.345      2.16      152  0.0323     fixed  ""
## 3  -0.425     -0.160     -4.36      152  0.0000236  fixed  ""
## 4   0.360      0.824      5.03      152  0.00000135 fixed  ""
## 5  NA         NA         NA          NA NA          random "subject"
## 6  NA         NA         NA          NA NA          random "subject"
## 7  NA         NA         NA          NA NA          random "subject"
## 8  NA         NA         NA          NA NA          random "Residual"
##   conf.method expression
##   <chr>       <list>
## 1 residual    <language>
## 2 residual    <language>
## 3 residual    <language>
## 4 residual    <language>
## 5 residual    <NULL>
## 6 residual    <NULL>
## 7 residual    <NULL>
## 8 residual    <NULL>
##
## $glance_data
## # A tibble: 1 x 9
##     AIC  AICc   BIC R2_conditional R2_marginal   ICC  RMSE Sigma expression
##   <dbl> <dbl> <dbl>          <dbl>       <dbl> <dbl> <dbl> <dbl> <list>
## 1  435.  436.  459.          0.706       0.171 0.645 0.123 0.132 <expression>
```

```
##            R2m       R2c
## [1,] 0.1714173 0.7057449
```

```
## Type III Analysis of Variance Table with Satterthwaite's method
##                                  Sum Sq Mean Sq NumDF DenDF F value    Pr(>F)
## log10(target_distance)           1.14133 1.14133     1 126.3  65.079 4.790e-13
## condition                        0.33375 0.33375     1 137.0  19.030 2.512e-05
## log10(target_distance):condition 0.44419 0.44419     1 137.0  25.328 1.493e-06
##
## log10(target_distance)           ***
## condition                        ***
## log10(target_distance):condition ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
## Warning: fonts used in ‘flextable‘ are ignored because the ‘pdflatex‘ engine is
## used and not ‘xelatex‘ or ‘lualatex‘. You can avoid this warning by using the
## ‘set_flextable_defaults(fonts_ignore=TRUE)‘ command or use a compatible engine
## by defining ‘latex_engine: xelatex‘ in the YAML header of the R Markdown
## document.
```

Predictors	*NumDF*	*DenDF*	*F.value*	*Pr..F.*
Target distance	1	126.3	65.1	**<0.001**
Condition	1	137.0	19.0	**<0.001**
Target distance:Condition	1	137.0	25.3	**<0.001**

Perceived distance

Predictors

Estimates

CI 95%

Statistic

p.value

Intercept

0.26

0.14 – 0.39

4.16

<0.001

Target distance

0.18

0.02 – 0.34

2.16

0.032

Condition (Floor level)

-0.29

-0.42 – -0.16

-4.36

<0.001

Target distance * Condition (Floor level)

0.59

0.36 – 0.82

5.03

<0.001

ICC

0.64

N subject

20

Observations

160

Marginal R2 / Conditional R2

0.171 / 0.706

```
## Warning: Log-likelihood is corrected for models with transformed response.
##   However, this ignores ‘REML=TRUE‘. Log-likelihood value is probably
##   inaccurate.
```

```
## Warning: Log-likelihood is corrected for models with transformed response.
##   However, this ignores ‘REML=TRUE‘. Log-likelihood value is probably
##   inaccurate.
```

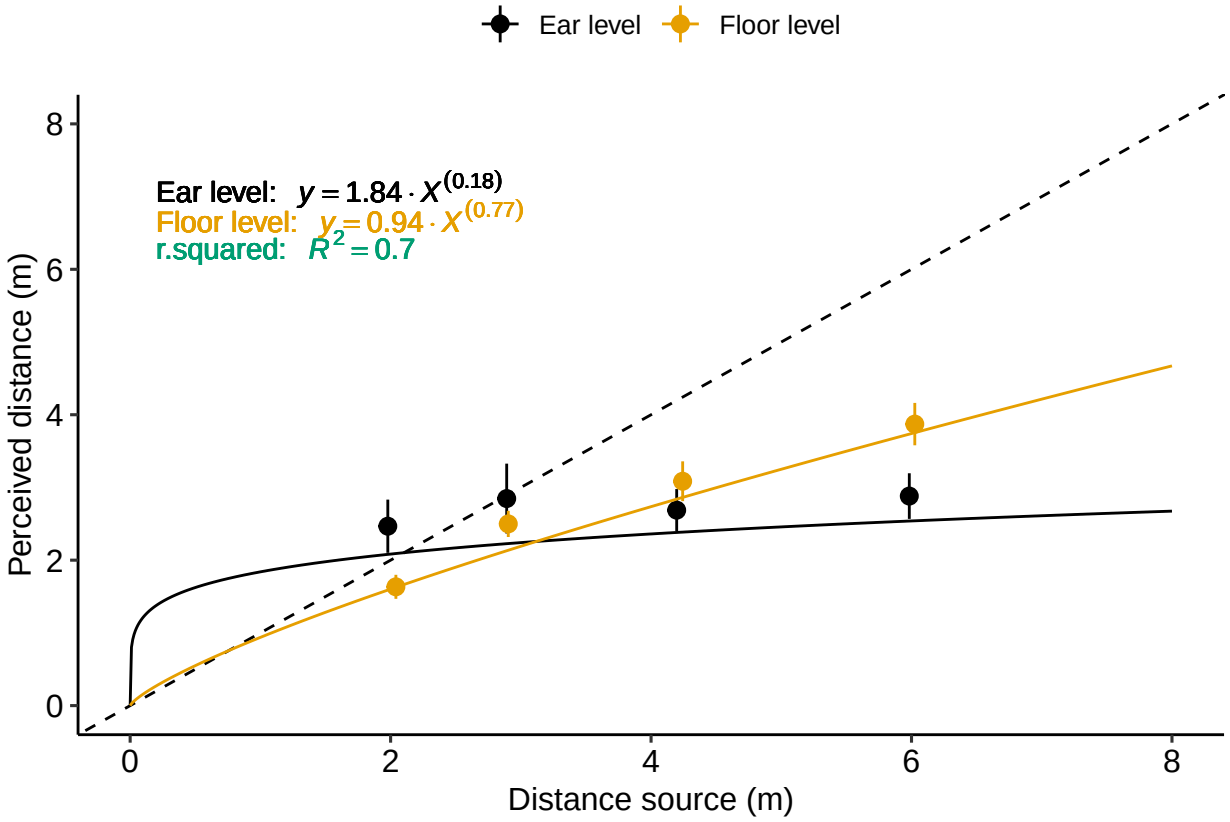
```
## Number of labels is greater than default palette color count.
## * Select another color ‘palette‘ (and/or ‘package‘).
```

```
## $subtitle_data
## NULL
##
## $caption_data
## NULL
##
## $pairwise_comparisons_data
## NULL
##
## $descriptive_data
## NULL
##
## $one_sample_data
## NULL
##
```

```
## $tidy_data
## # A tibble: 8 x 13
##   term                                       estimate std.error conf.level
##   <fct>                                         <dbl>     <dbl>      <dbl>
## 1 (Intercept)                                   0.265     0.0633       0.95
## 2 log10(target_distance)                        0.180     0.0835       0.95
## 3 conditionFloor level                         -0.292     0.0671       0.95
## 4 log10(target_distance):conditionFloor level   0.592     0.118        0.95
## 5 SD (Intercept)                                0.185    NA            0.95
## 6 SD (log10(target_distance))                   0.0207   NA            0.95
## 7 Cor (Intercept~log10(target_distance))       -1        NA            0.95
## 8 SD (Observations)                             0.131    NA            0.95
##   conf.low conf.high statistic df.error     p.value effect group
##      <dbl>     <dbl>     <dbl>    <dbl>       <dbl> <chr>  <chr>
## 1   0.141      0.388      4.18      137  0.0000514  fixed  ""
## 2   0.0171     0.343      2.16      137  0.0328     fixed  ""
## 3  -0.423     -0.161     -4.35      137  0.0000259  fixed  ""
## 4   0.362      0.822      5.02      137  0.00000155 fixed  ""
## 5  NA         NA         NA          NA NA          random "subject"
## 6  NA         NA         NA          NA NA          random "subject"
## 7  NA         NA         NA          NA NA          random "subject"
## 8  NA         NA         NA          NA NA          random "Residual"
##   conf.method expression
##   <chr>       <list>
## 1 residual    <language>
## 2 residual    <language>
## 3 residual    <language>
## 4 residual    <language>
## 5 residual    <NULL>
## 6 residual    <NULL>
## 7 residual    <NULL>
## 8 residual    <NULL>
##
## $glance_data
## # A tibble: 1 x 9
##     AIC  AICc   BIC R2_conditional R2_marginal   ICC  RMSE Sigma expression
##   <dbl> <dbl> <dbl>          <dbl>       <dbl> <dbl> <dbl> <dbl> <list>
## 1  435.  436.  459.          0.702       0.177 0.638 0.123 0.131 <expression>

##                                    numDF denDF  F-value p-value
## (Intercept)                            1   137 97.71503  <.0001
## log10(target_distance)                 1   137 64.85393  <.0001
## condition                              1   137  1.78576  0.1837
## log10(target_distance):condition       1   137 25.23540  <.0001

## `summarise()` has grouped output by 'target_distance'. You can override using
## the `.groups` argument.
```



Analysis outliers

You can also embed plots, for example:

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Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.