Análisis de datos

Grupos funcionales

David Vanegas-Alarcón

April 1, 2025

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[1] "########################################################################"
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[1] "FeedingStrategyC"
[1] "                                        "
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[1] "                                        "
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[[1]]
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   4798  2398.9   4.694 0.0312 *
Residuals     12   6133   511.1
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
           diff       lwr       upr      p adj
Low-High  -21.2 -59.34579 16.945786 0.3330243
Null-High -43.8 -81.94579 -5.654214 0.0247504
Null-Low  -22.6 -60.74579 15.545786 0.2909670

[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95941, p-value = 0.6822
```
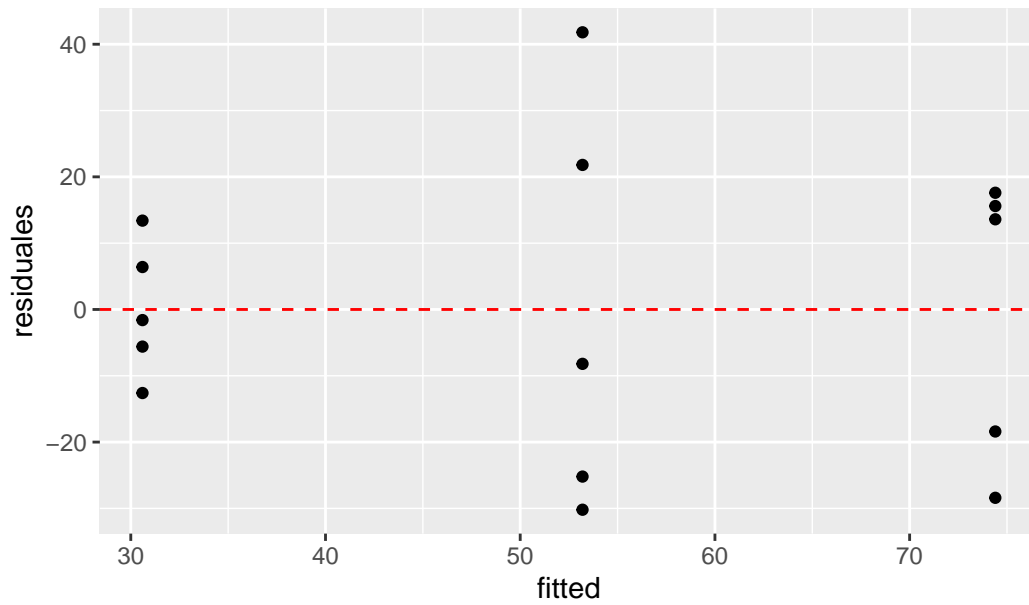
```
[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.3102 0.3057
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
[1] "                                        "
[1] "                                        "
[1] "FeedingStrategyG"
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[1] "                                        "
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[1] "Modelo test"
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[1] "Levene Test"
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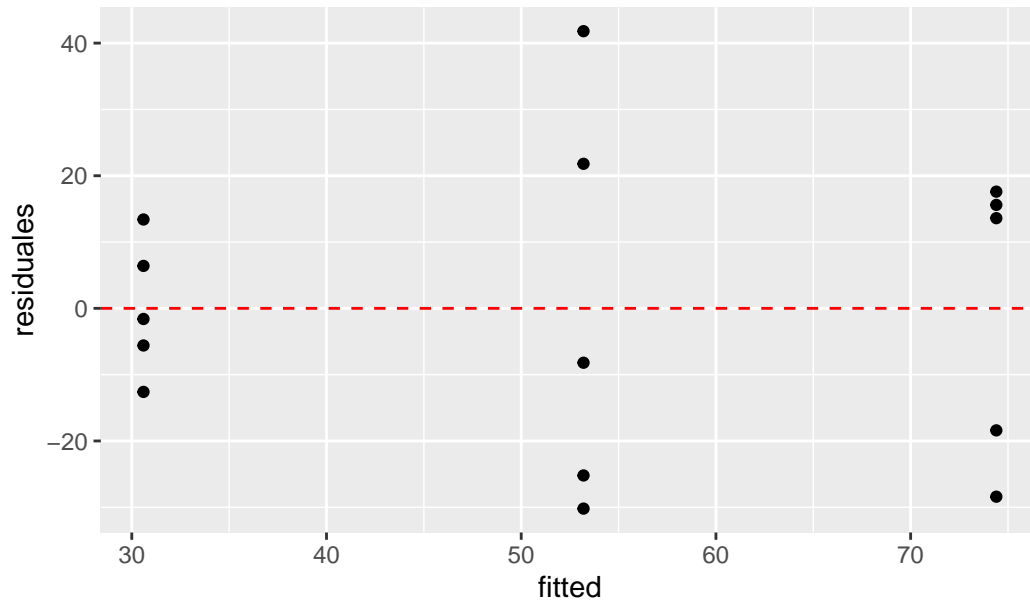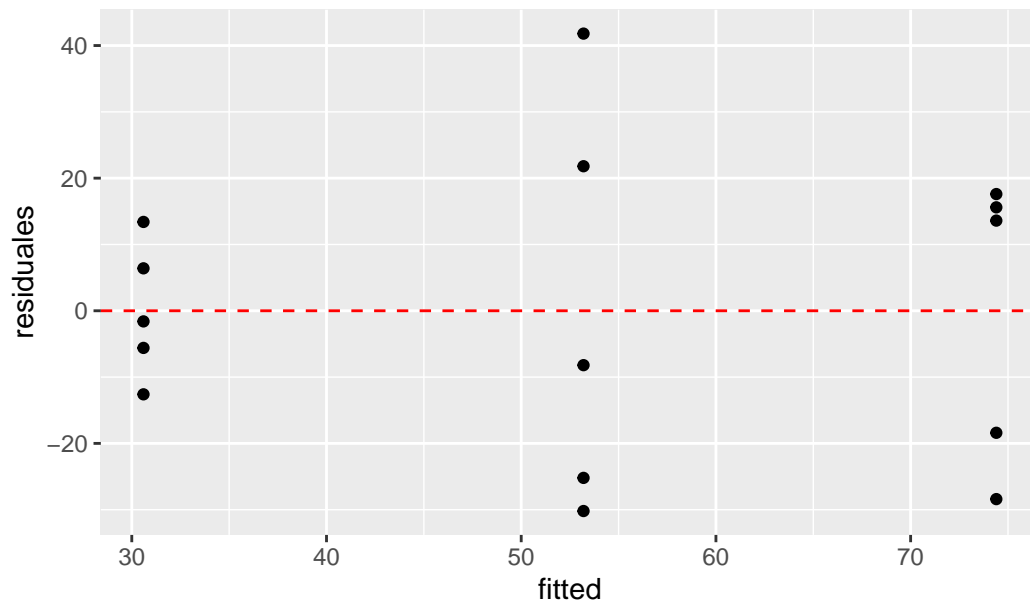
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[[1]]
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```

Gráfico de residuos vs valores ajustados


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[1] "FeedingStrategyN"
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[1] "Post hoc Test"
[[1]]
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[1] "Shapiro Test"
[[1]]
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[1] "Levene Test"
[[1]]
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```

Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
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[1] "HabitatPrefenceG"
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[[1]]
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[1] "Shapiro Test"
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[1] "Levene Test"
[[1]]
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```

Gráfico de residuos vs valores ajustados


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[1] "Post hoc Test"
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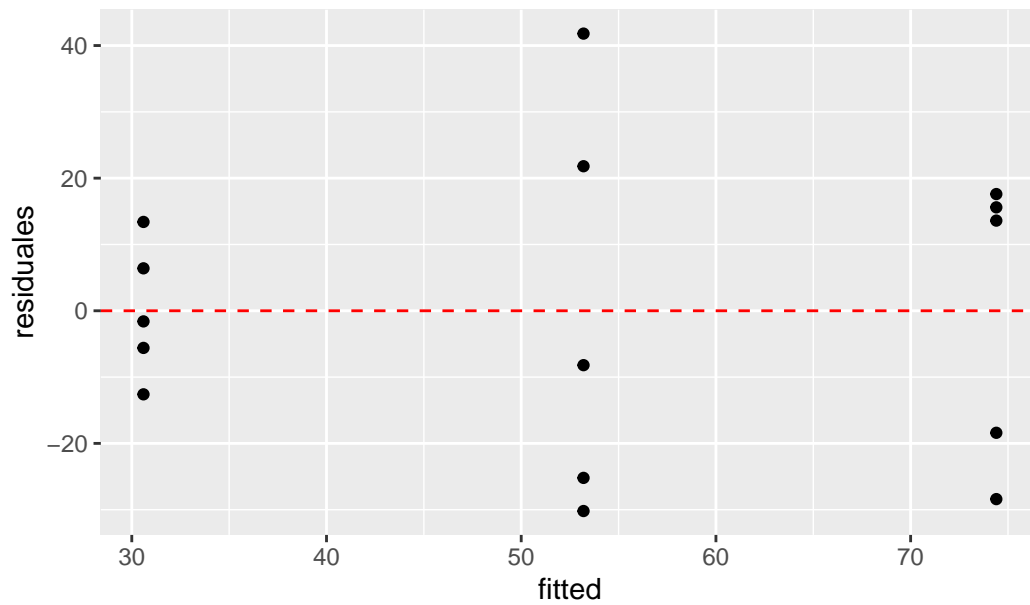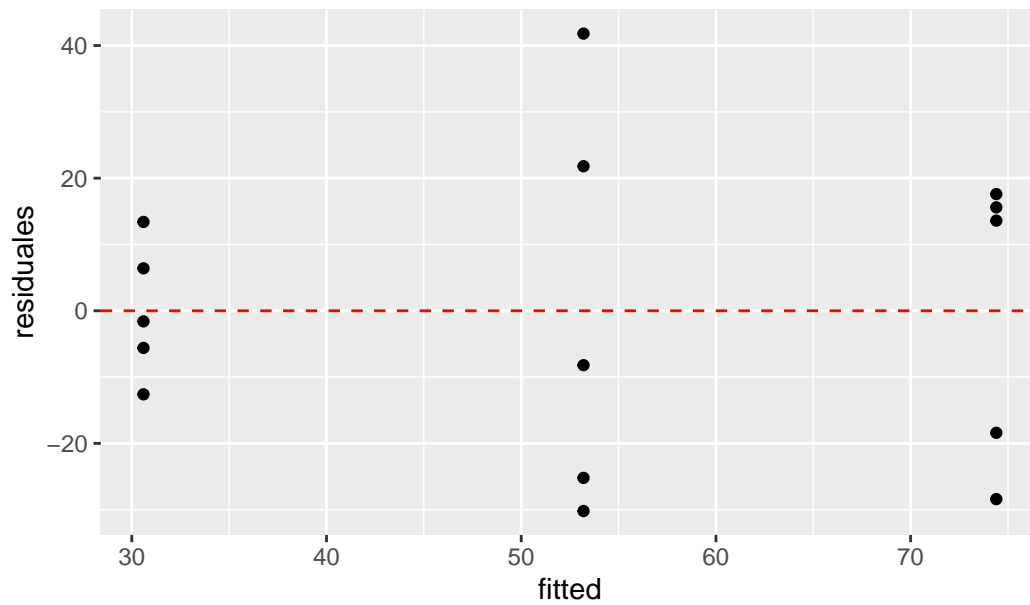
Gráfico de residuos vs valores ajustados


```
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[1] "RollLarge"
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[1] "Post hoc Test"
[[1]]
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[1] "Shapiro Test"
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[1] "Levene Test"
[[1]]
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```

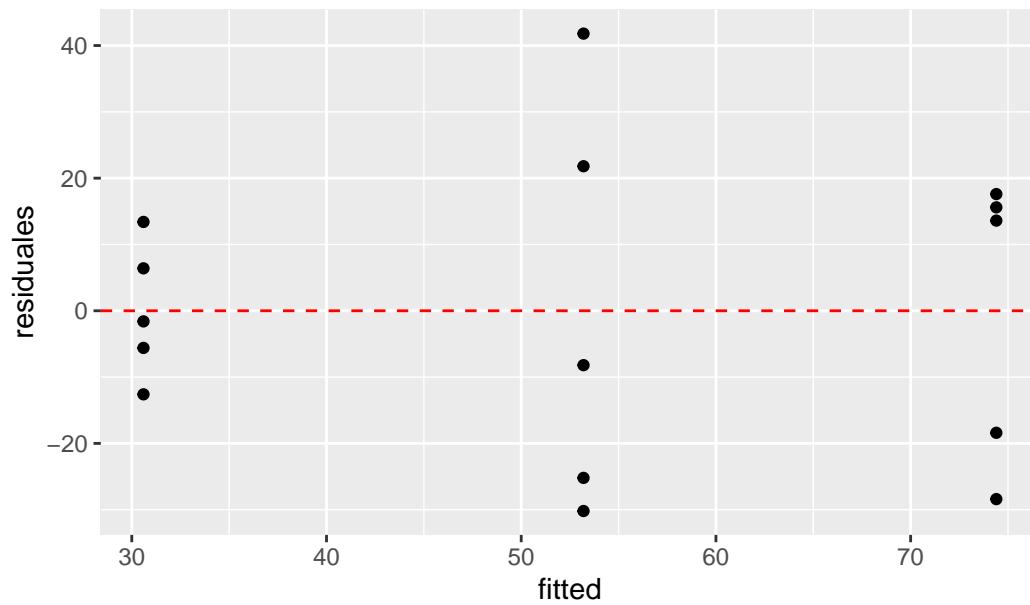## Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
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[1] "Shapiro Test"
[[1]]
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[1] "Levene Test"
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```
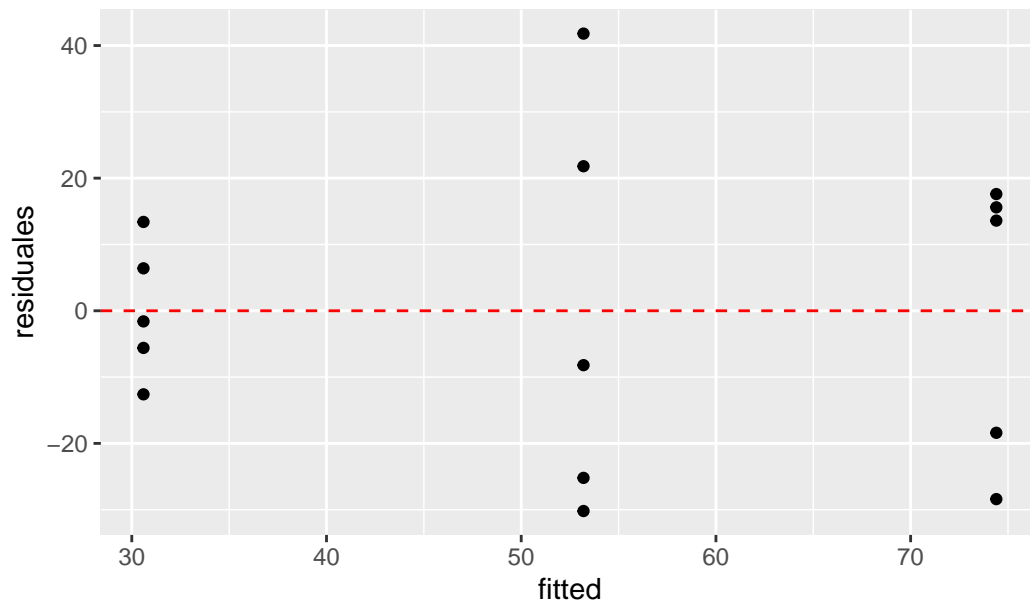
Gráfico de residuos vs valores ajustados


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[1] "Shapiro Test"
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[1] "Levene Test"
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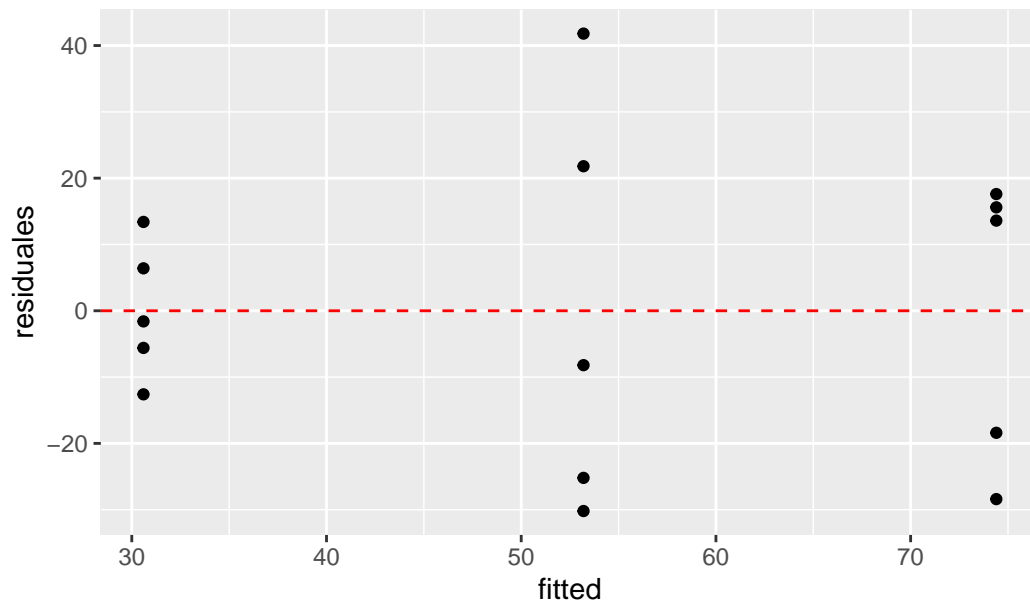
Gráfico de residuos vs valores ajustados


```
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[1] "Post hoc Test"
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[1] "Shapiro Test"
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[1] "Levene Test"
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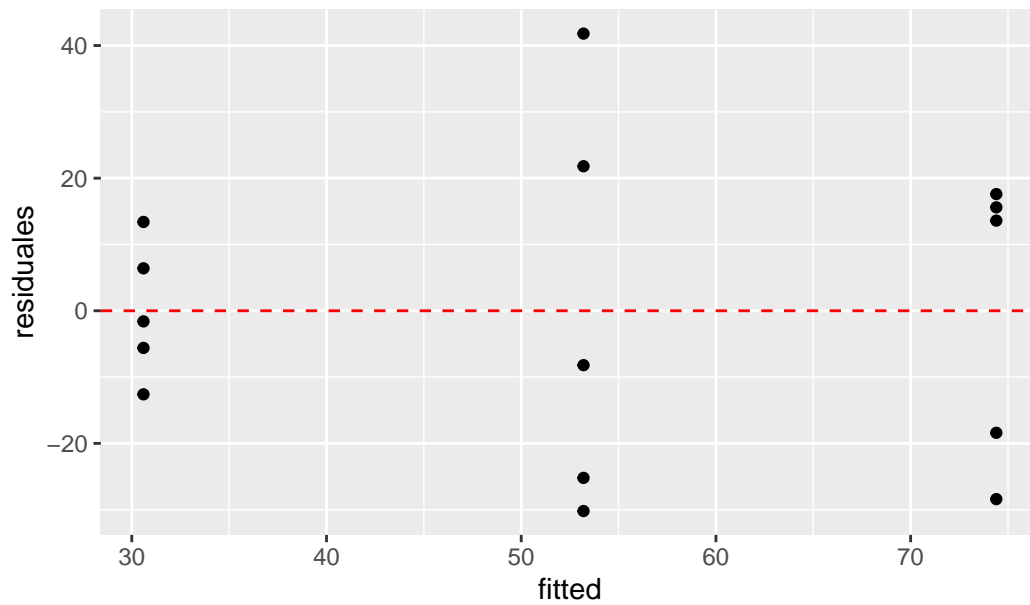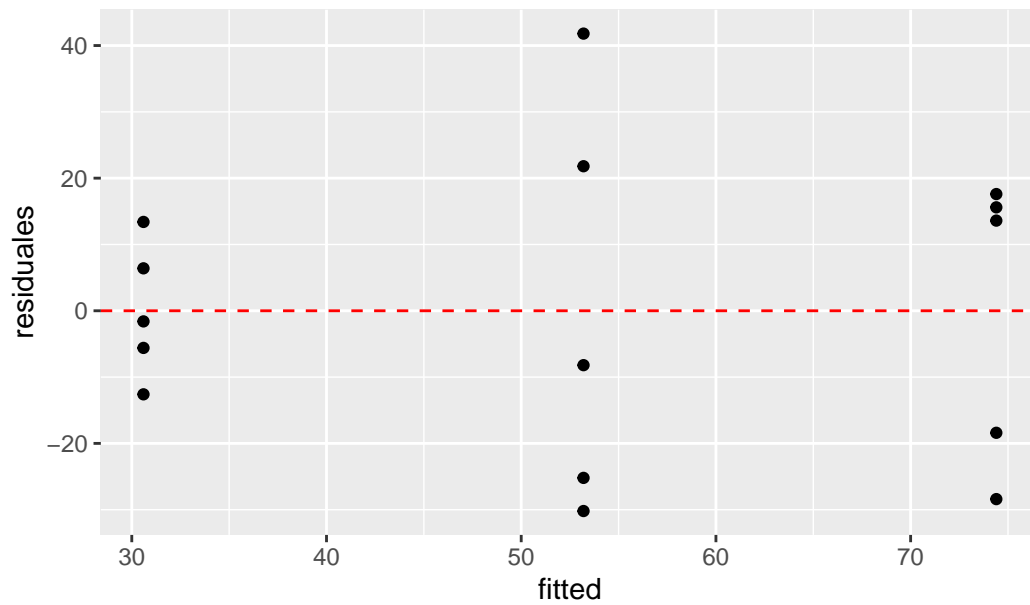
Gráfico de residuos vs valores ajustados


```
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[1] "Post hoc Test"
[[1]]
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[1] "Shapiro Test"
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[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "########################################################################"
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[1] "TunnSmall"
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[1] "                                                  "
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[1] "Shapiro Test"
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```
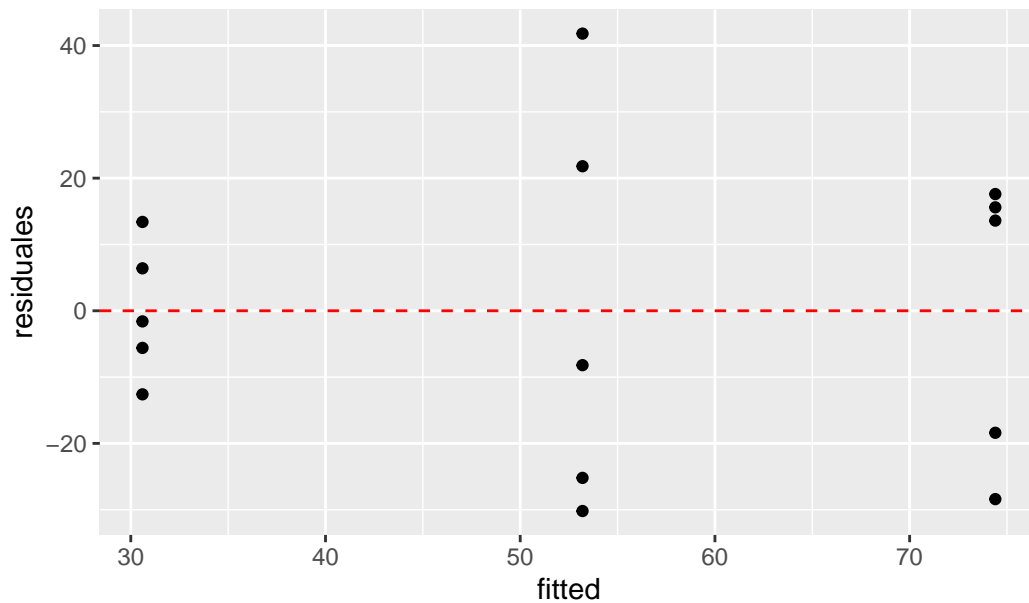
Gráfico de residuos vs valores ajustados


```
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[1] "                                                "
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[1] "                                                "
[1] "                                                "
[1] "Modelo test"
[[1]]
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   4798  2398.9   4.694 0.0312 *
Residuals     12   6133   511.1
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
           diff       lwr       upr      p adj
Low-High  -21.2 -59.34579 16.945786 0.3330243
Null-High -43.8 -81.94579 -5.654214 0.0247504
Null-Low  -22.6 -60.74579 15.545786 0.2909670
```
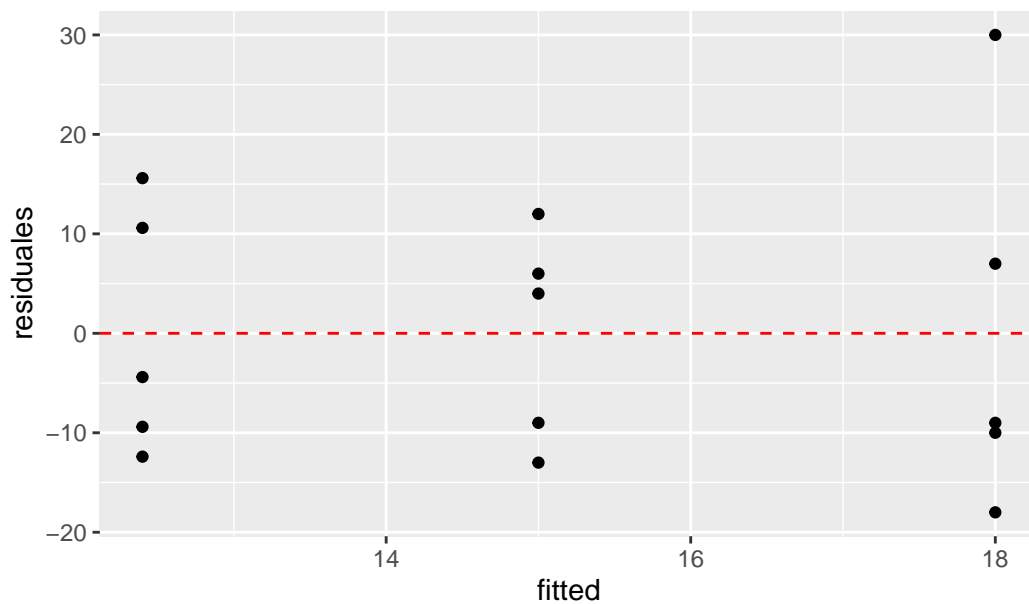
```
[1] "Shapiro Test"
[[1]]


	Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95941, p-value = 0.6822


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.3102 0.3057
      12
```

Gráfico de residuos vs valores ajustados


```
[1]  "####################################################################"
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[1]  "                                                "
[1]  "                                                "
[1]  "Modelo test"
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```

```
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2    78.5   39.27   0.187  0.832
Residuals     12  2517.2  209.77
```

```
[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr      upr     p adj
Low-High   5.6 -18.83779 30.03779 0.8167497
Null-High  2.6 -21.83779 27.03779 0.9567187
Null-Low  -3.0 -27.43779 21.43779 0.9428653
```

```
[1] "Shapiro Test"
[[1]]


    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.92437, p-value = 0.2245
```
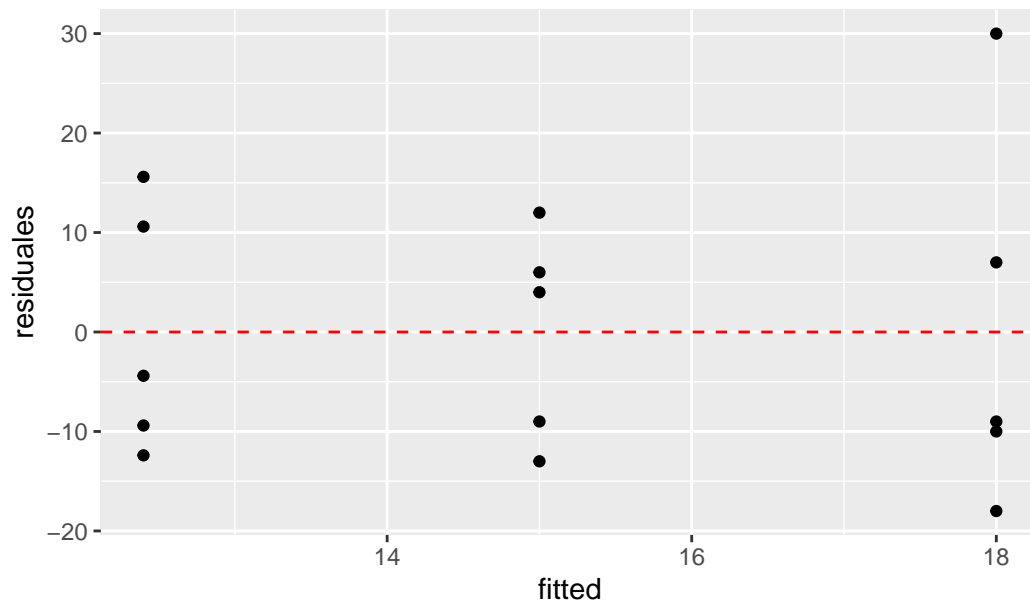
```
[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  0.2655 0.7712
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
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[1] "Post hoc Test"
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[1] "Shapiro Test"
[[1]]
NULL

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NULL
```
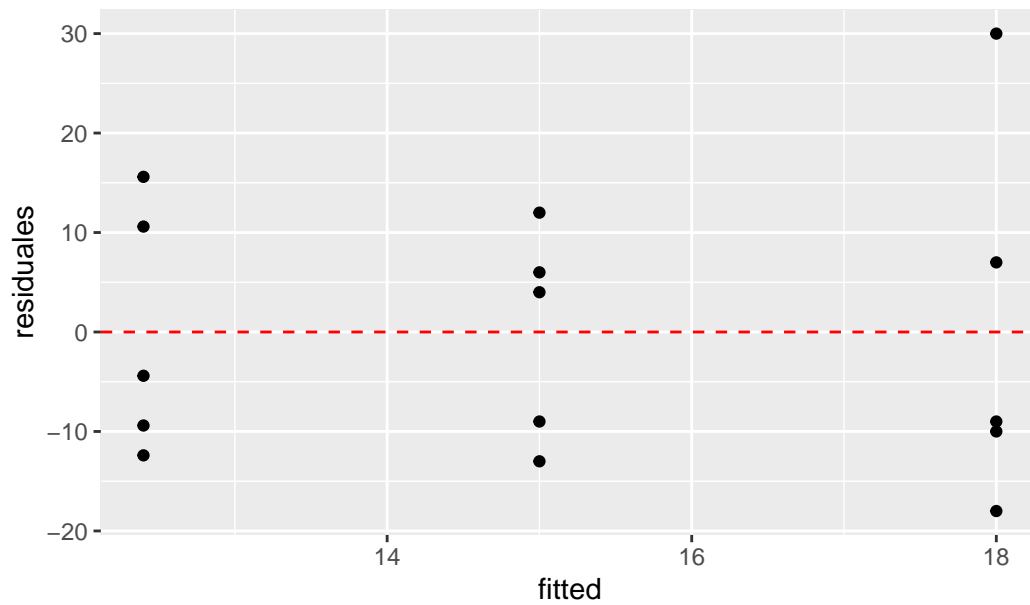
Gráfico de residuos vs valores ajustados


```
[1] "########################################################################"
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[1] "                                         "
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[1] "Post hoc Test"
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[1] "Shapiro Test"
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```

Gráfico de residuos vs valores ajustados


```
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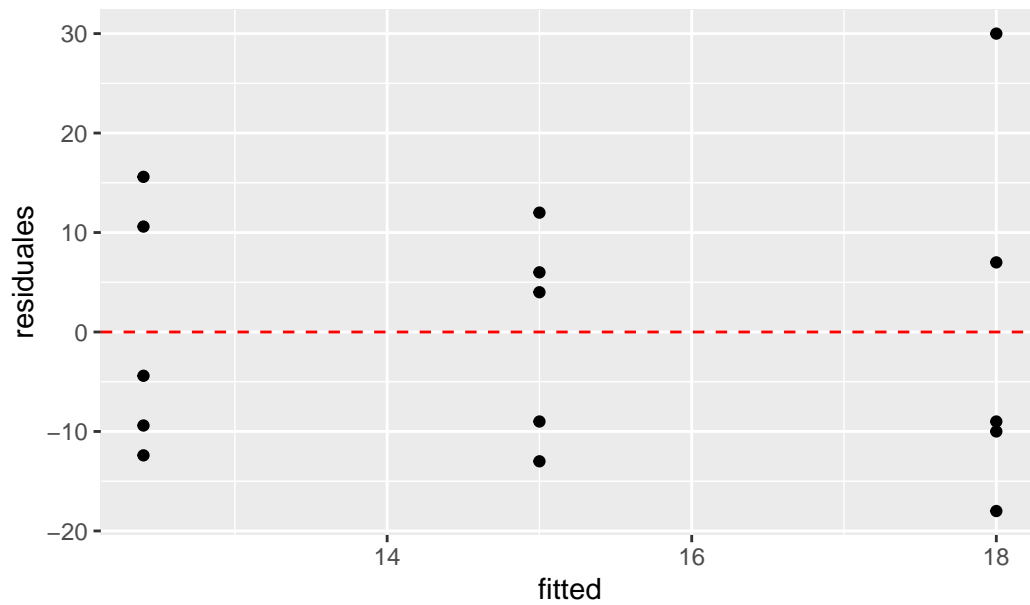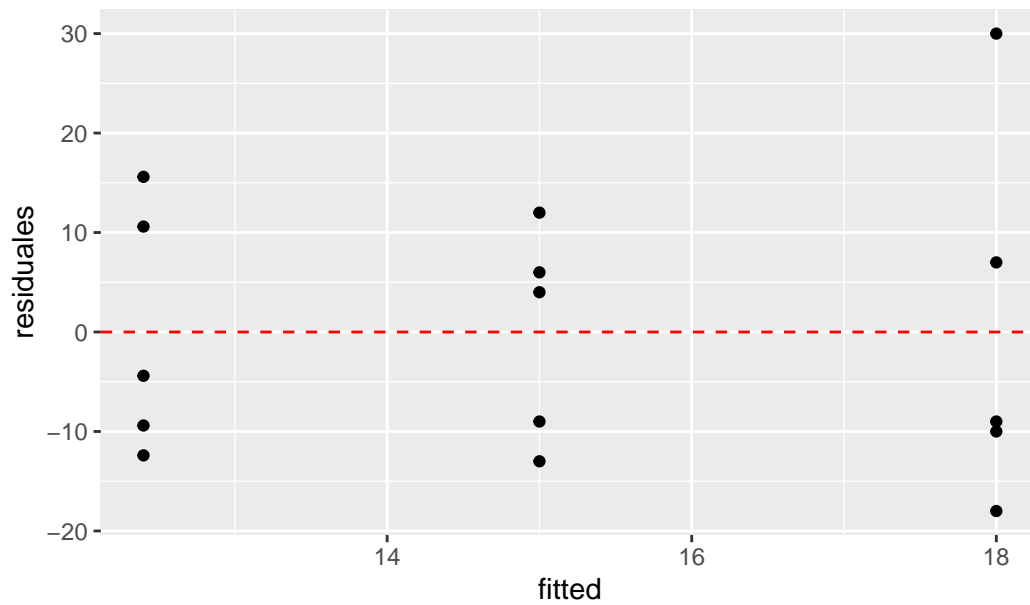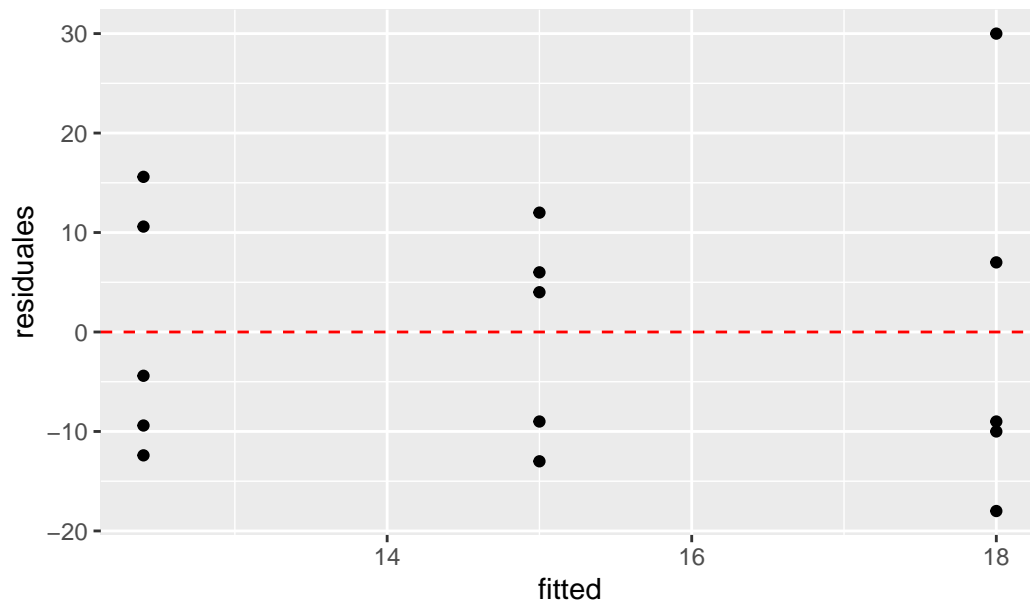
Gráfico de residuos vs valores ajustados


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[1] "Post hoc Test"
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[1] "Shapiro Test"
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```

Gráfico de residuos vs valores ajustados


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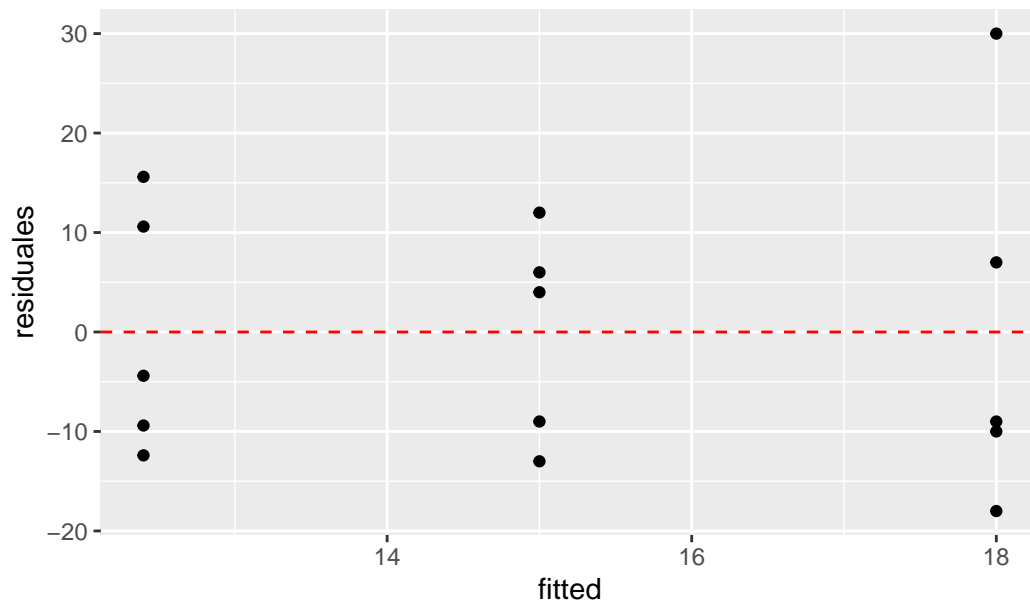
Gráfico de residuos vs valores ajustados


```
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[1] "Post hoc Test"
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[1] "Shapiro Test"
[[1]]
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[1] "Levene Test"
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```
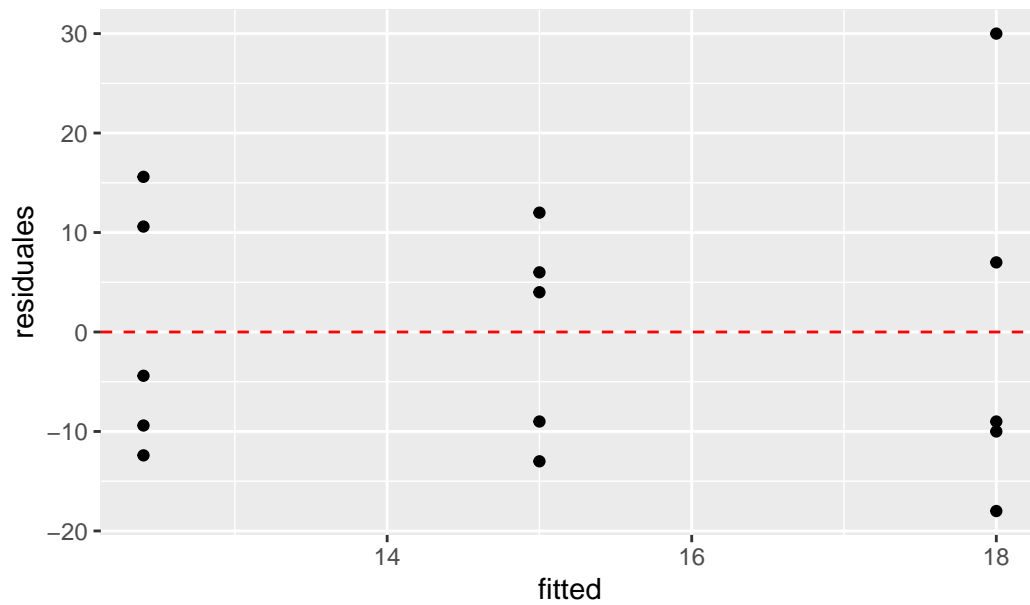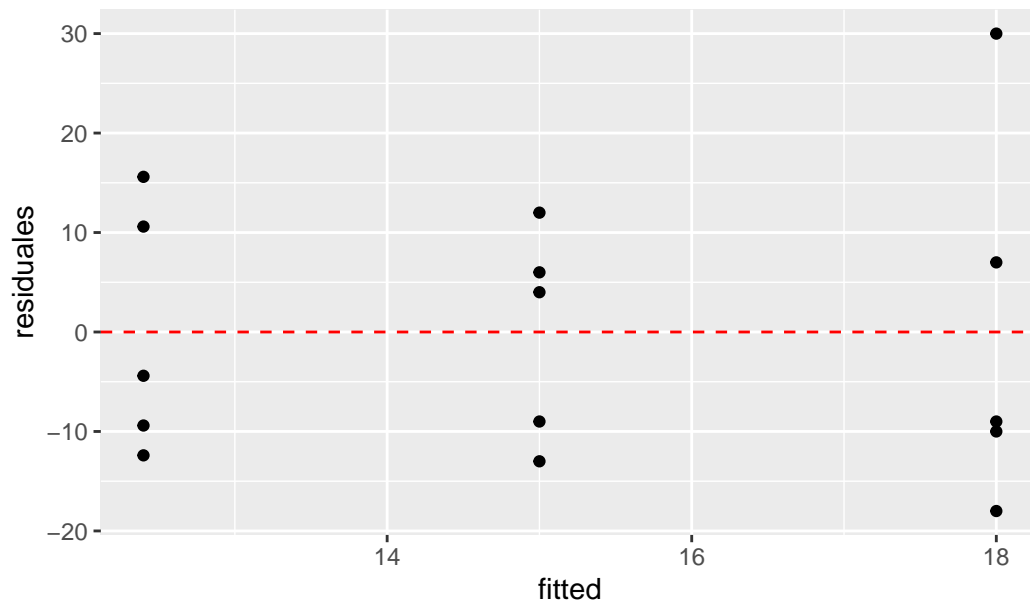
Gráfico de residuos vs valores ajustados


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[1] "##########################################################################"
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[1] "Post hoc Test"
[[1]]
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[1] "Shapiro Test"
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[1] "Levene Test"
[[1]]
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```

Gráfico de residuos vs valores ajustados


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[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
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[1] "Levene Test"
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NULL
```
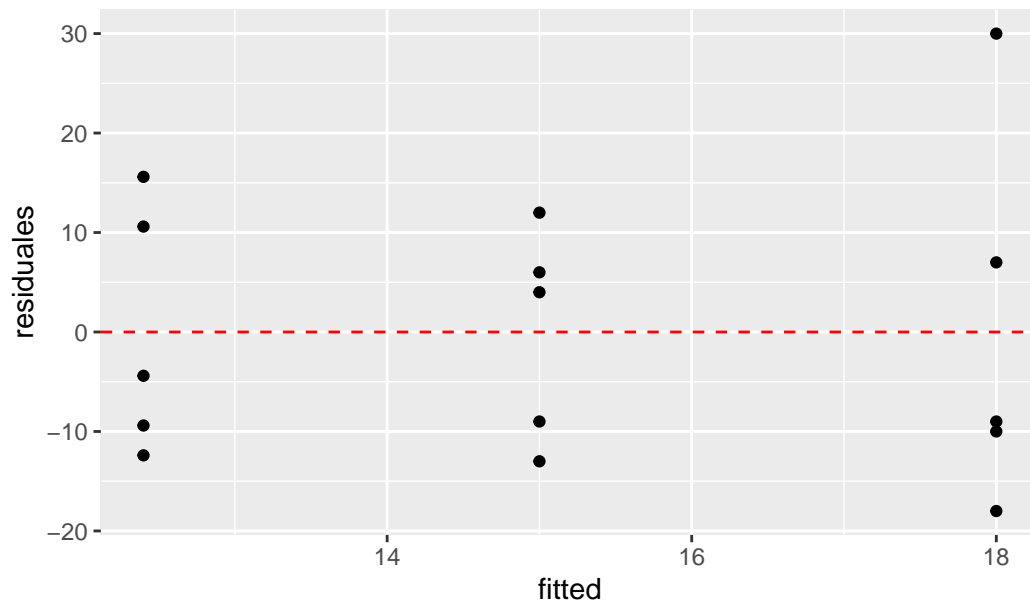
Gráfico de residuos vs valores ajustados


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[1] "Post hoc Test"
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[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```
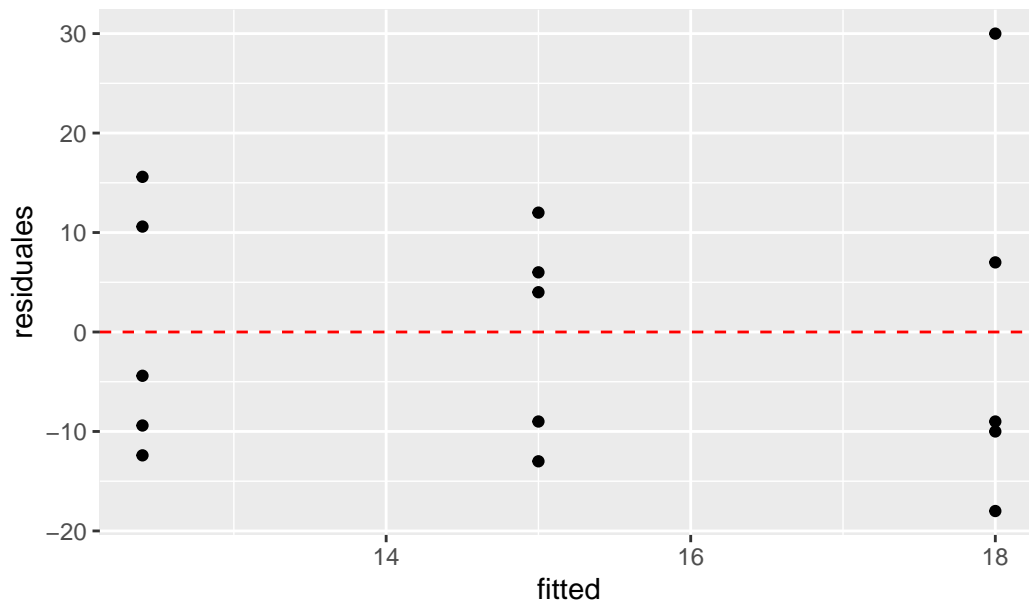
Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
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[1] "                                        "
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[1] "Modelo test"
[[1]]
            Df Sum Sq Mean Sq F value Pr(>F)
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[[1]]
  Tukey multiple comparisons of means
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```
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[[1]]

	Shapiro-Wilk normality test

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Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
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      12
```
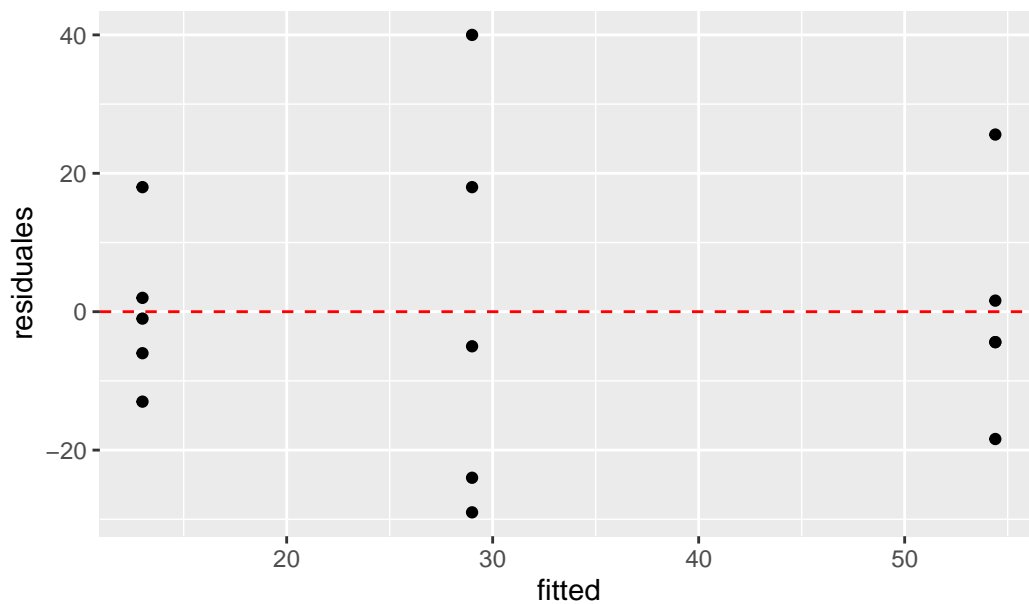
Gráfico de residuos vs valores ajustados


```
[1]  "####################################################################"
[1]  "                                                  "
[1]  "                                                  "
[1]  "FeedingStrategyG"
[1]  "                                                  "
[1]  "                                                  "
[1]  "####################################################################"
[1]  "                                                  "
[1]  "                                                  "
[1]  "Modelo test"
[[1]]
```

```
            Df Sum Sq Mean Sq F value Pr(>F)
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[[1]]
  Tukey multiple comparisons of means
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$BurningRegime

```
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Null-High   2.6 -21.83779 27.03779 0.9567187
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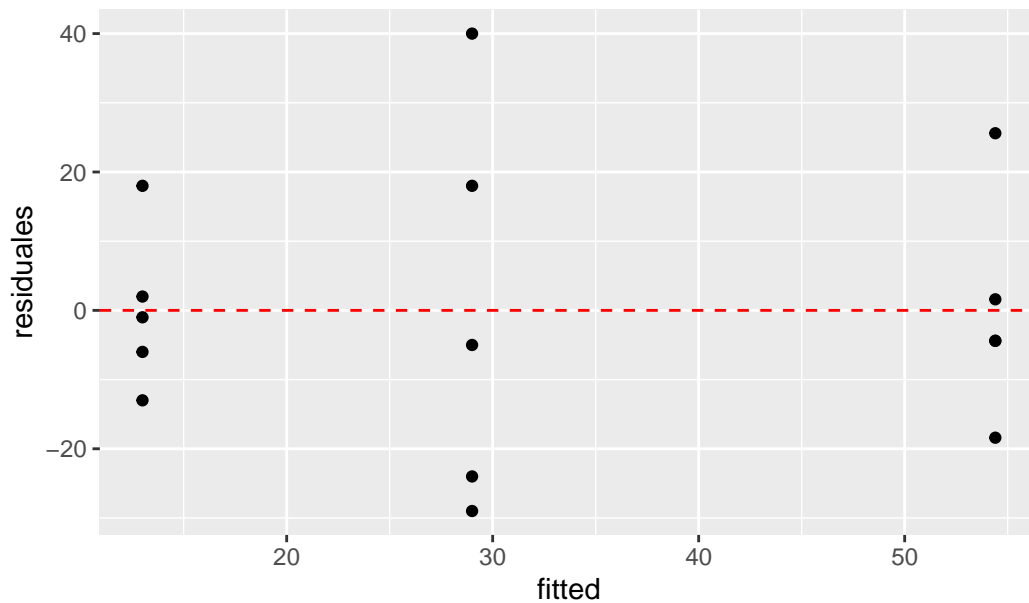data: residuals(anova_result)
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[[1]]
Levene's Test for Homogeneity of Variance (center = median)
```
      Df F value Pr(>F)
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      12
```

Gráfico de residuos vs valores ajustados


```
[1] "########################################################################"
[1] "                                 "
[1] "                                 "
[1] "FeedingStrategyN"
[1] "                                 "
[1] "                                 "
[1] "########################################################################"
[1] "                                 "
[1] "                                 "
[1] "Modelo test"
[[1]]
            Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   4359  2179.3   5.299 0.0224 *
Residuals     12   4935   411.3
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
         diff       lwr      upr      p adj
Low-High  16.0 -18.21806 50.21806 0.4495810
Null-High 41.4   7.18194 75.61806 0.0184222
Null-Low  25.4  -8.81806 59.61806 0.1594957
```
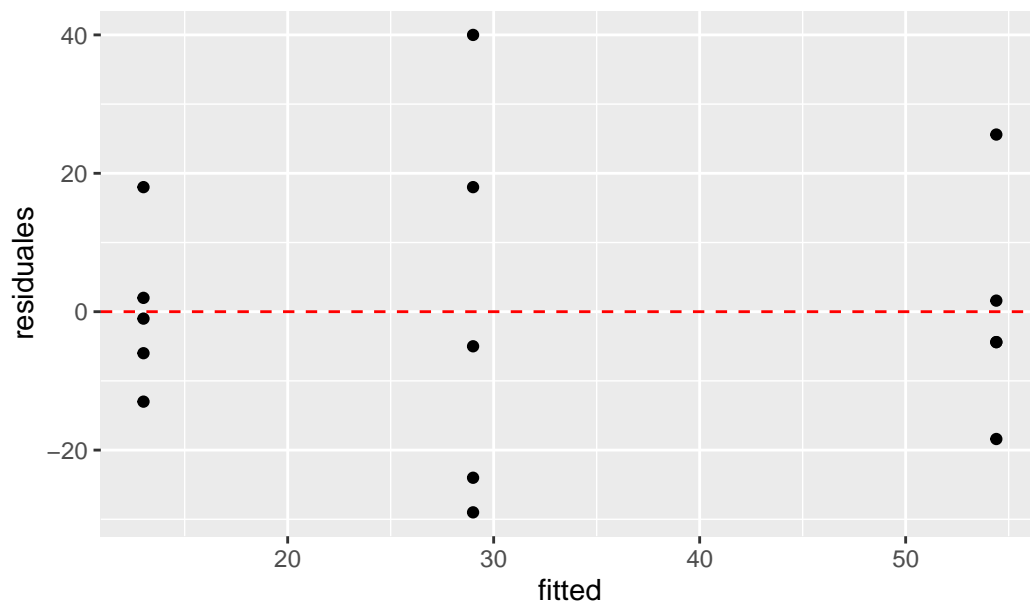
```
[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95482, p-value = 0.6033


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.9066  0.191
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "###################################################################"
[1] "                                  "
[1] "                                  "
[1] "HabitatPrefenceG"
[1] "                                  "
[1] "                                  "
[1] "###################################################################"
[1] "                                  "
[1] "                                  "
[1] "Modelo test"
[[1]]
```

```
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "######################################################################"
[1] "                                                                      "
[1] "                                                                      "
[1] "HabitatPrefenceS"
[1] "                                                                      "
[1] "                                                                      "
[1] "######################################################################"
[1] "                                                                      "
[1] "                                                                      "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
```

```
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```
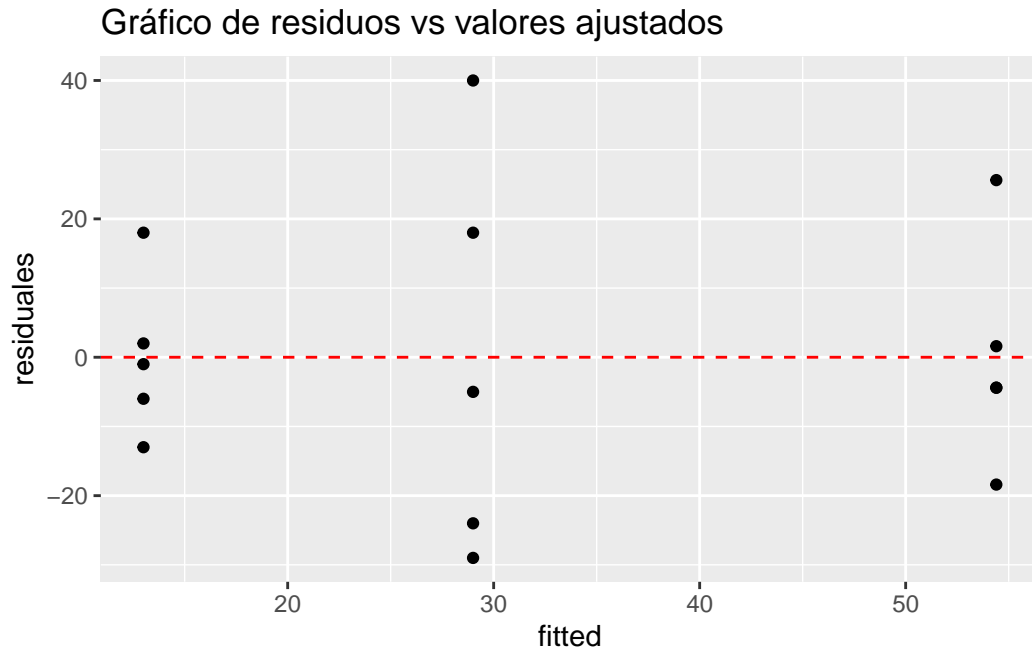
Gráfico de residuos vs valores ajustados


```
[1] "##################################################################"
[1] "                                                                  "
[1] "                                                                  "
[1] "RollLarge"
[1] "                                                                  "
[1] "                                                                  "
[1] "##################################################################"
[1] "                                                                  "
[1] "                                                                  "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
```
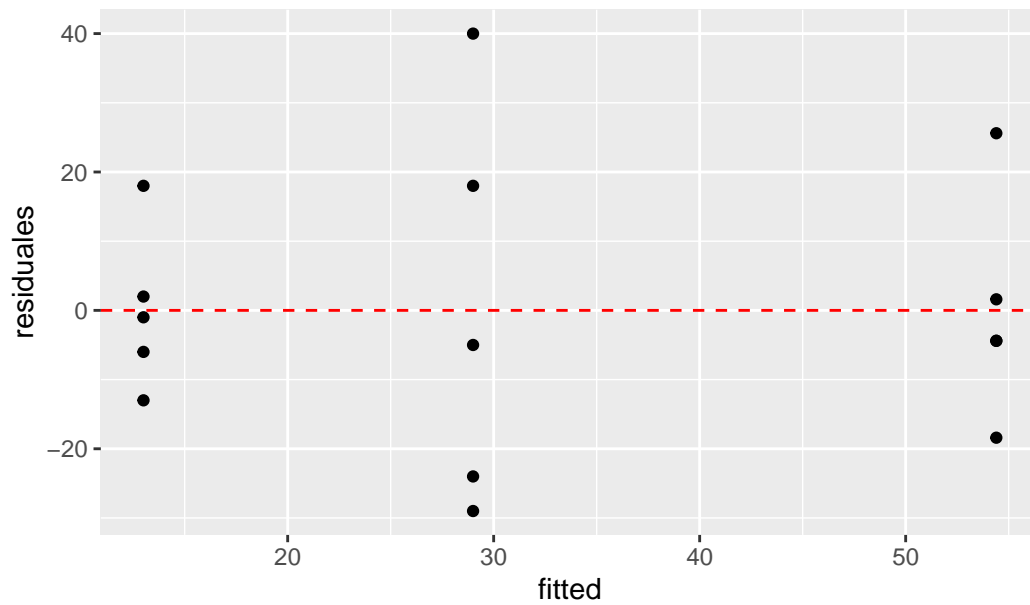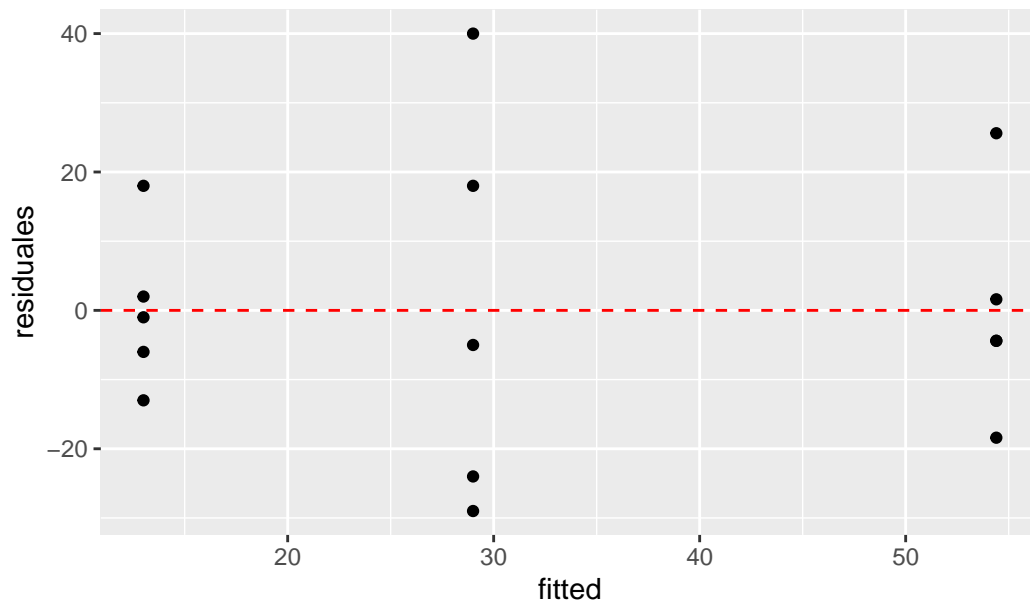
```
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "######################################################################"
[1] "                                  "
[1] "                                  "
[1] "RollMedium"
[1] "                                  "
[1] "                                  "
[1] "######################################################################"
[1] "                                  "
[1] "                                  "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
```

NULL

Gráfico de residuos vs valores ajustados


```
[1] "#####################################################################"
[1] "                                  "
[1] "                                  "
[1] "RollSmall"
[1] "                                  "
[1] "                                  "
[1] "#####################################################################"
[1] "                                  "
[1] "                                  "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```
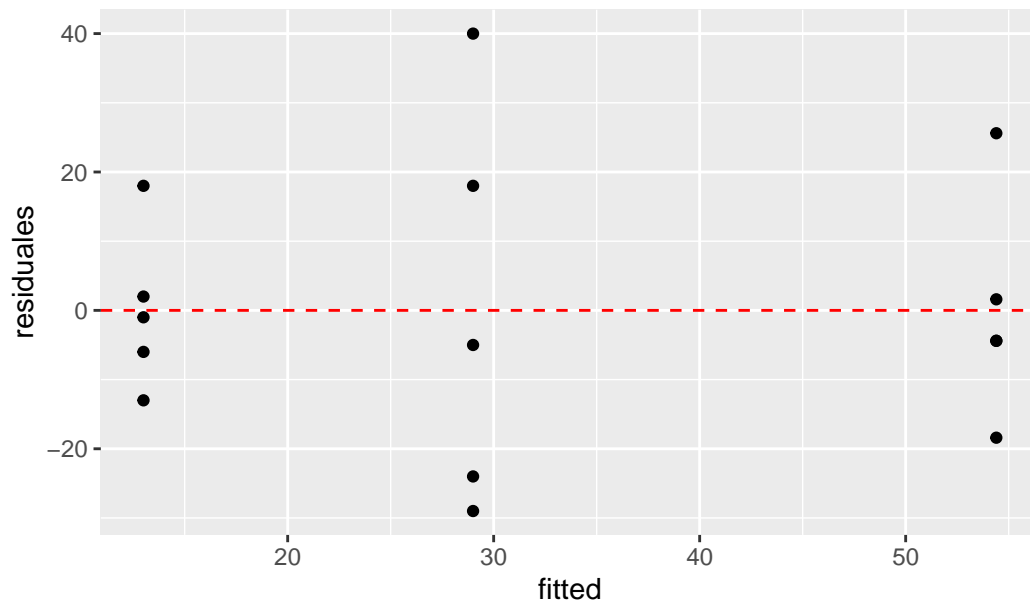
Gráfico de residuos vs valores ajustados


```
[1] "###########################################################################"
[1] "                                    "
[1] "                                    "
[1] "TunnLarge"
[1] "                                    "
[1] "                                    "
[1] "###########################################################################"
[1] "                                    "
[1] "                                    "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```

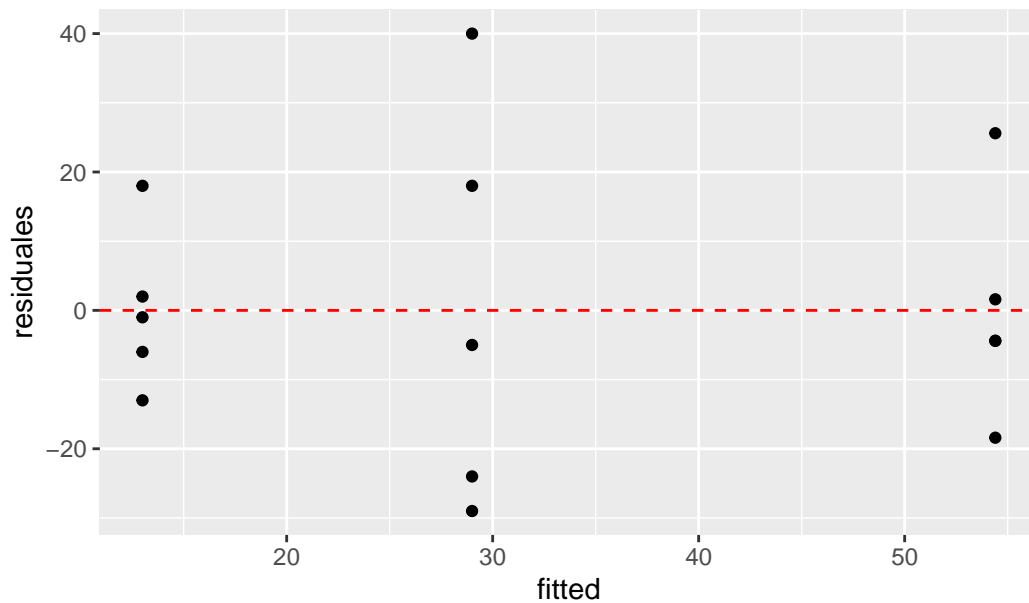## Gráfico de residuos vs valores ajustados


```
[1] "######################################################################"
[1] "                                      "
[1] "                                      "
[1] "TunnMedium"
[1] "                                      "
[1] "                                      "
[1] "######################################################################"
[1] "                                      "
[1] "                                      "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "######################################################################"
[1] "                                                                      "
[1] "                                                                      "
[1] "TunnSmall"
[1] "                                                                      "
[1] "                                                                      "
[1] "######################################################################"
[1] "                                                                      "
[1] "                                                                      "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
[1] "                                 "
[1] "                                 "
[1] "FeedingStrategyC"
[1] "                                 "
[1] "                                 "
[1] "#######################################################################"
[1] "                                 "
[1] "                                 "
[1] "Modelo test"
[[1]]
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   4798  2398.9   4.694 0.0312 *
Residuals     12   6133   511.1
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
           diff       lwr       upr      p adj
Low-High  -21.2 -59.34579 16.945786 0.3330243
Null-High -43.8 -81.94579 -5.654214 0.0247504
Null-Low  -22.6 -60.74579 15.545786 0.2909670
```
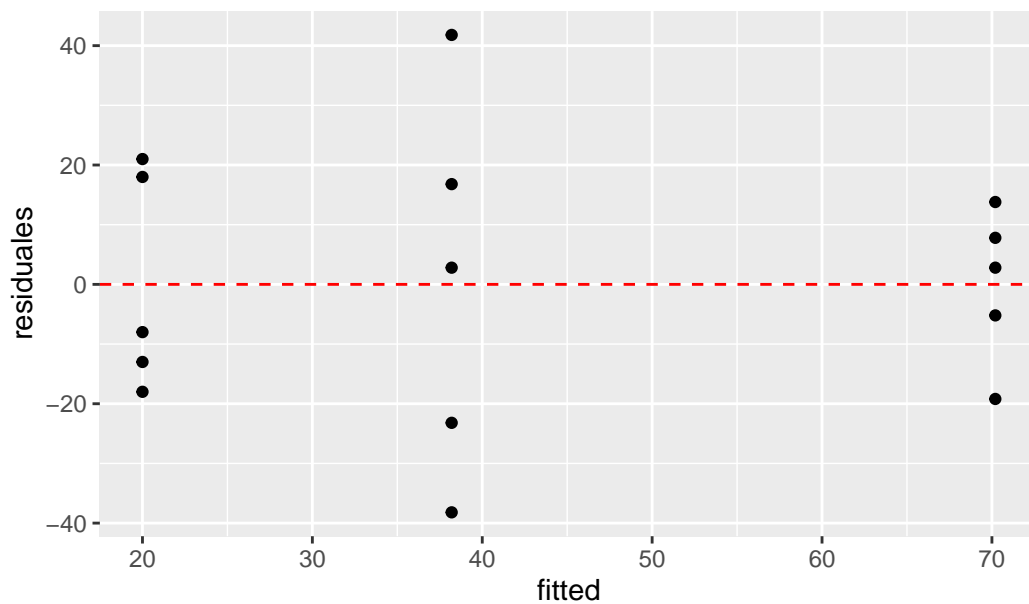
```
[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95941, p-value = 0.6822


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.3102 0.3057
      12
```
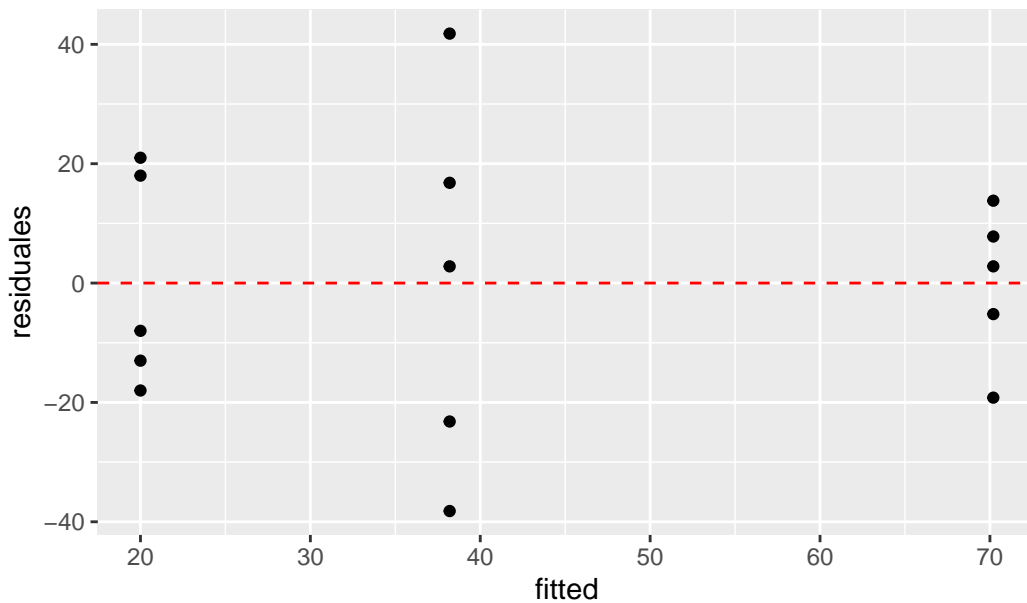
Gráfico de residuos vs valores ajustados


```
[1] "####################################################################"
[1] "                                   "
[1] "                                   "
[1] "FeedingStrategyG"
[1] "                                   "
[1] "                                   "
[1] "####################################################################"
[1] "                                   "
[1] "                                   "
[1] "Modelo test"
[[1]]
```

```
             Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2    78.5   39.27   0.187  0.832
Residuals     12 2517.2  209.77
```

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
```
          diff       lwr      upr      p adj
Low-High   5.6 -18.83779 30.03779 0.8167497
Null-High  2.6 -21.83779 27.03779 0.9567187
Null-Low  -3.0 -27.43779 21.43779 0.9428653
```

[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data: residuals(anova_result)
W = 0.92437, p-value = 0.2245

[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
```
      Df F value Pr(>F)
group  2  0.2655 0.7712
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
[1] "                                  "
[1] "                                  "
[1] "FeedingStrategyN"
[1] "                                  "
[1] "                                  "
[1] "#######################################################################"
[1] "                                  "
[1] "                                  "
[1] "Modelo test"
[[1]]
               Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime   2   4359  2179.3   5.299 0.0224 *
Residuals      12   4935   411.3
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr      upr       p adj
Low-High  16.0 -18.21806 50.21806 0.4495810
Null-High 41.4   7.18194 75.61806 0.0184222
Null-Low  25.4  -8.81806 59.61806 0.1594957
```
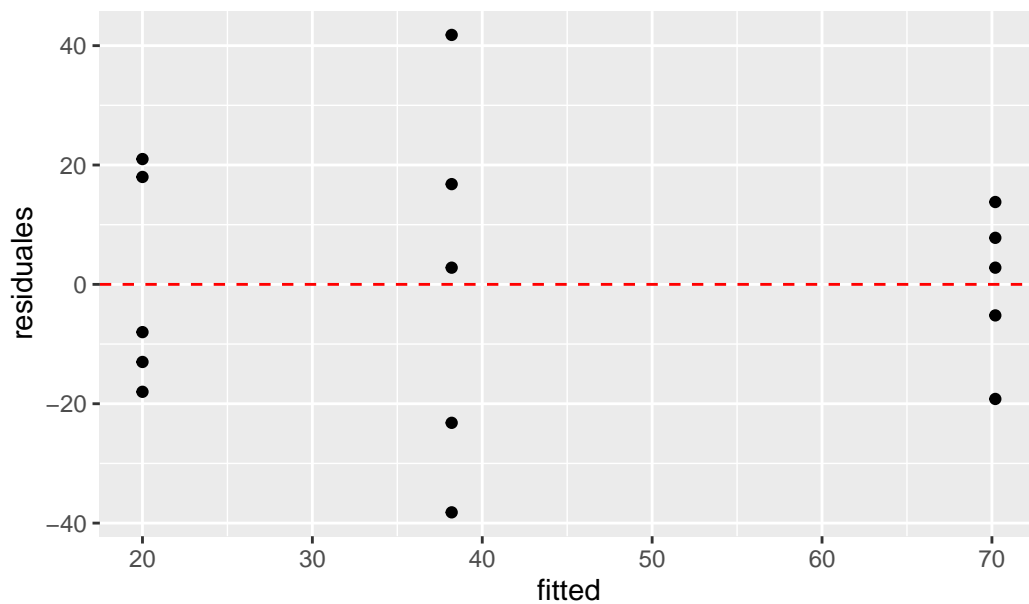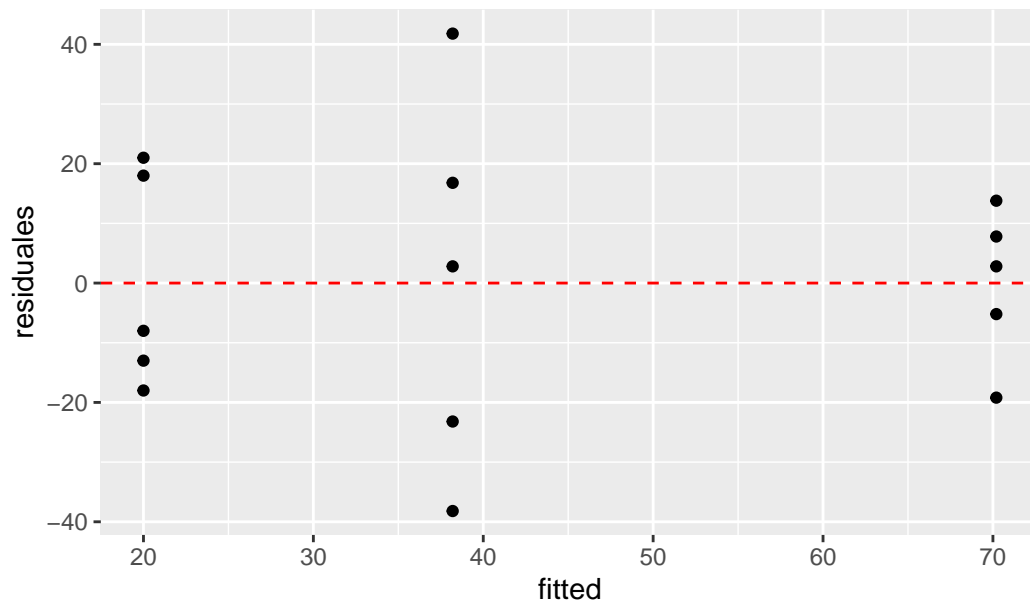
```
[1] "Shapiro Test"
[[1]]

        Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95482, p-value = 0.6033


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
        Df F value Pr(>F)
group   2  1.9066  0.191
        12
```

Gráfico de residuos vs valores ajustados


```
[1] "###################################################################"
[1] "                                    "
[1] "                                    "
[1] "HabitatPrefenceG"
[1] "                                    "
[1] "                                    "
[1] "###################################################################"
[1] "                                    "
[1] "                                    "
[1] "Modelo test"
[[1]]
```

```
               Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   6459    3229   6.446 0.0126 *
Residuals     12   6012     501
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr      upr      p adj
Low-High  18.2 -19.565744 55.96574 0.4292577
Null-High 50.2  12.434256 87.96574 0.0103979
Null-Low  32.0  -5.765744 69.76574 0.1008386


[1] "Shapiro Test"
[[1]]


    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.98615, p-value = 0.9953


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.6084 0.2405
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "########################################################################"
[1] "                                     "
[1] "                                     "
[1] "HabitatPrefenceS"
[1] "                                     "
[1] "                                     "
[1] "########################################################################"
[1] "                                     "
[1] "                                     "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```
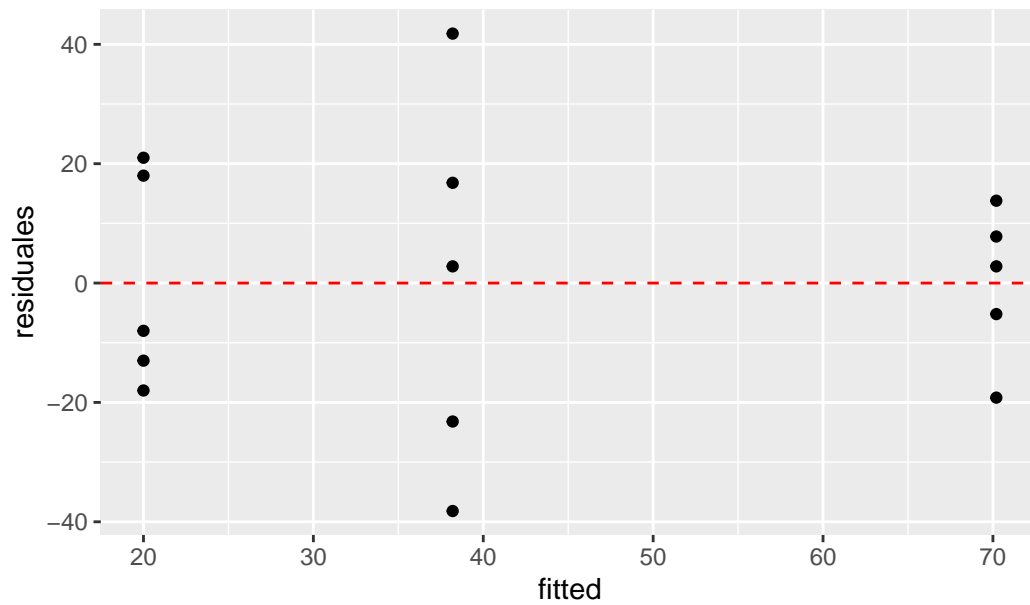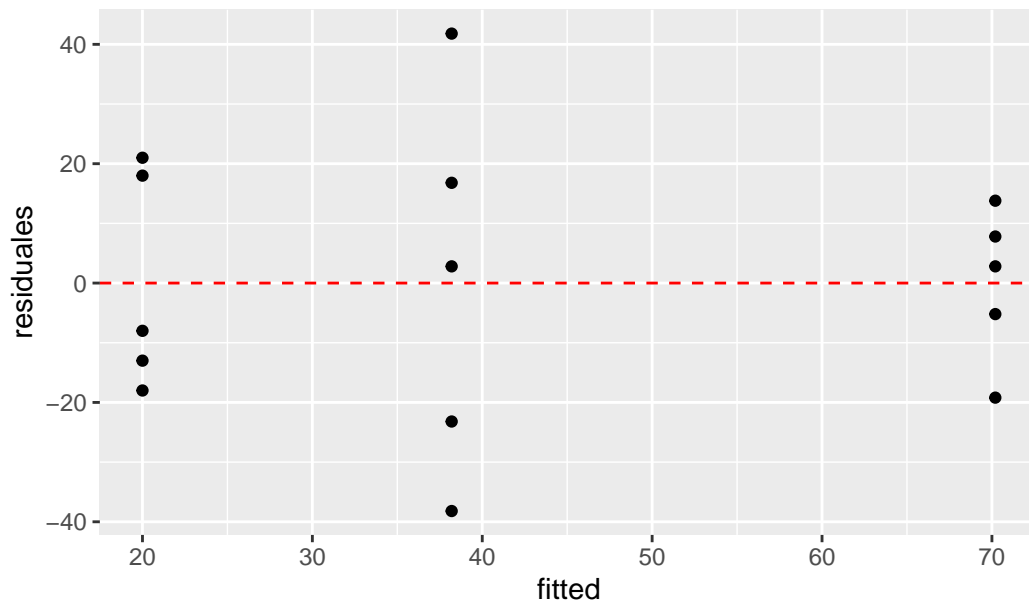
Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
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[1] "                                    "
[1] "RollLarge"
[1] "                                    "
[1] "                                    "
[1] "#######################################################################"
[1] "                                    "
[1] "                                    "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```
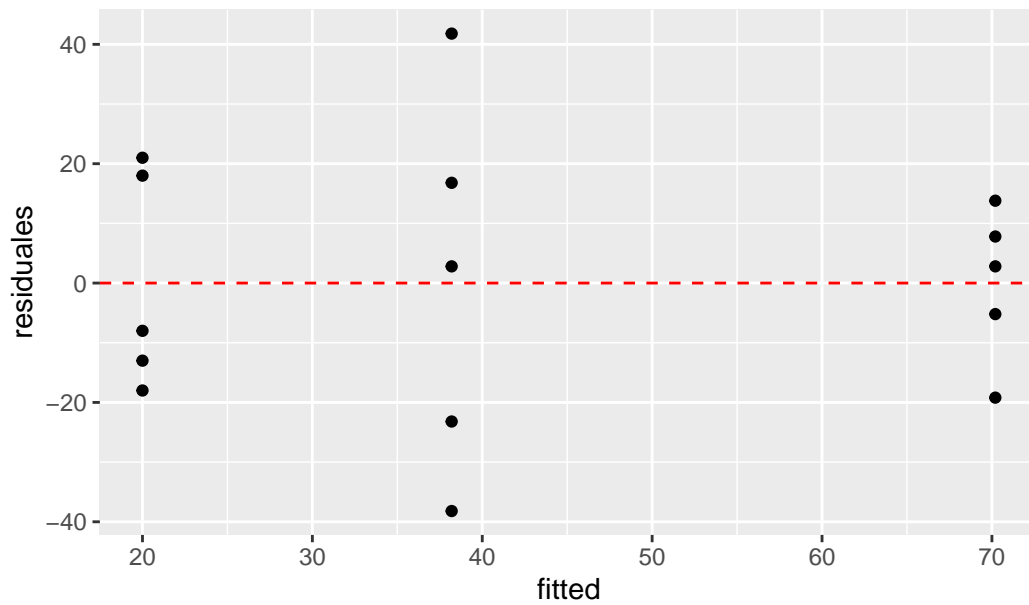
Gráfico de residuos vs valores ajustados


```
[1] "######################################################################"
[1] "                                   "
[1] "                                   "
[1] "RollMedium"
[1] "                                   "
[1] "                                   "
[1] "######################################################################"
[1] "                                   "
[1] "                                   "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```
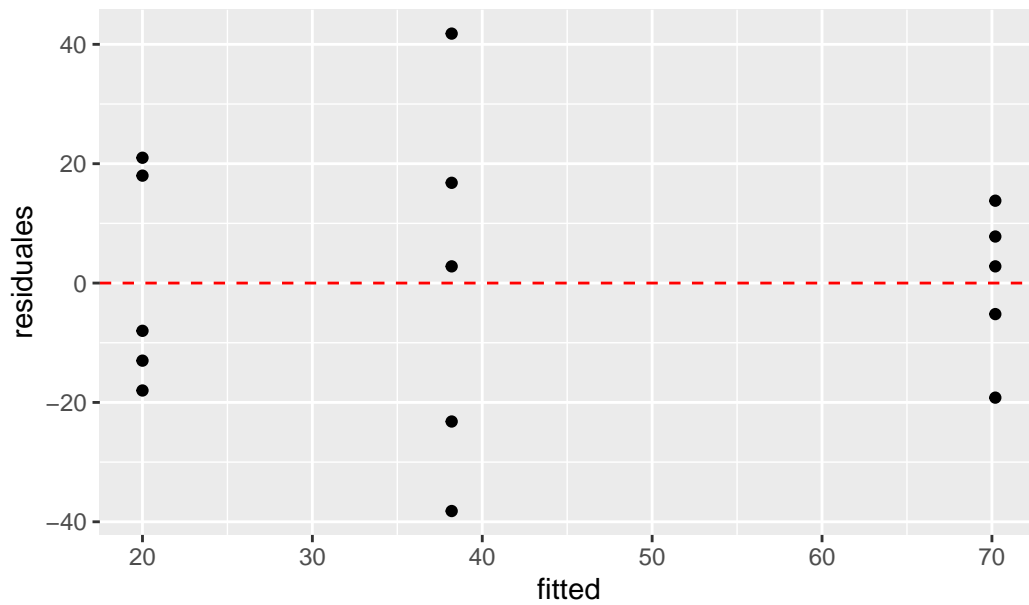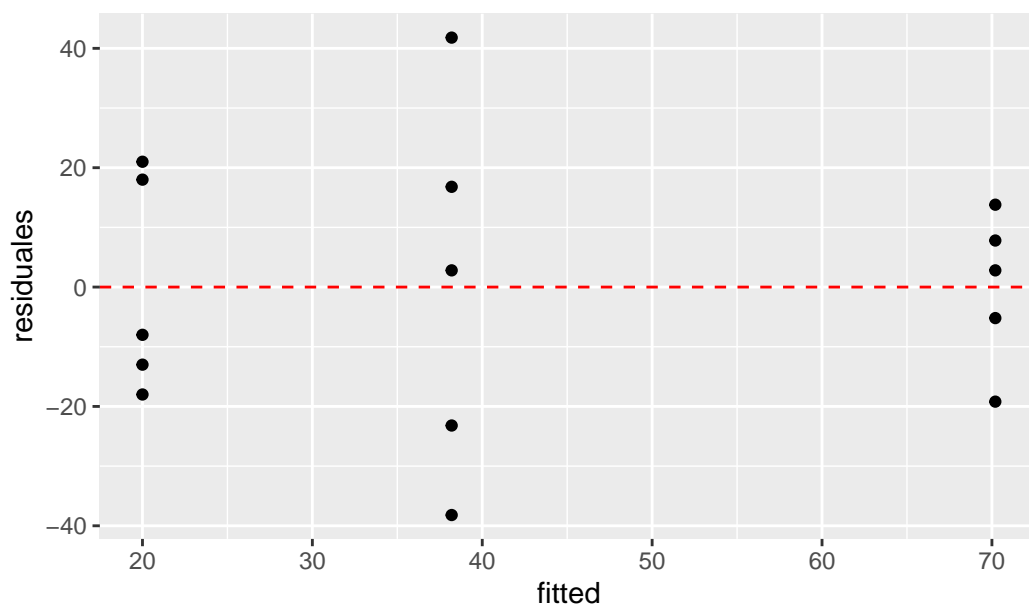
Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
[1] "                                      "
[1] "                                      "
[1] "RollSmall"
[1] "                                      "
[1] "                                      "
[1] "#######################################################################"
[1] "                                      "
[1] "                                      "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1]  "####################################################################"
[1]  "                                   "
[1]  "                                   "
[1]  "TunnLarge"
[1]  "                                   "
[1]  "                                   "
[1]  "####################################################################"
[1]  "                                   "
[1]  "                                   "
[1]  "Modelo test"
[[1]]
NULL

[1]  "Post hoc Test"
[[1]]
NULL

[1]  "Shapiro Test"
[[1]]
NULL

[1]  "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "#####################################################################"
[1] "                                                                     "
[1] "                                                                     "
[1] "TunnMedium"
[1] "                                                                     "
[1] "                                                                     "
[1] "#####################################################################"
[1] "                                                                     "
[1] "                                                                     "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```
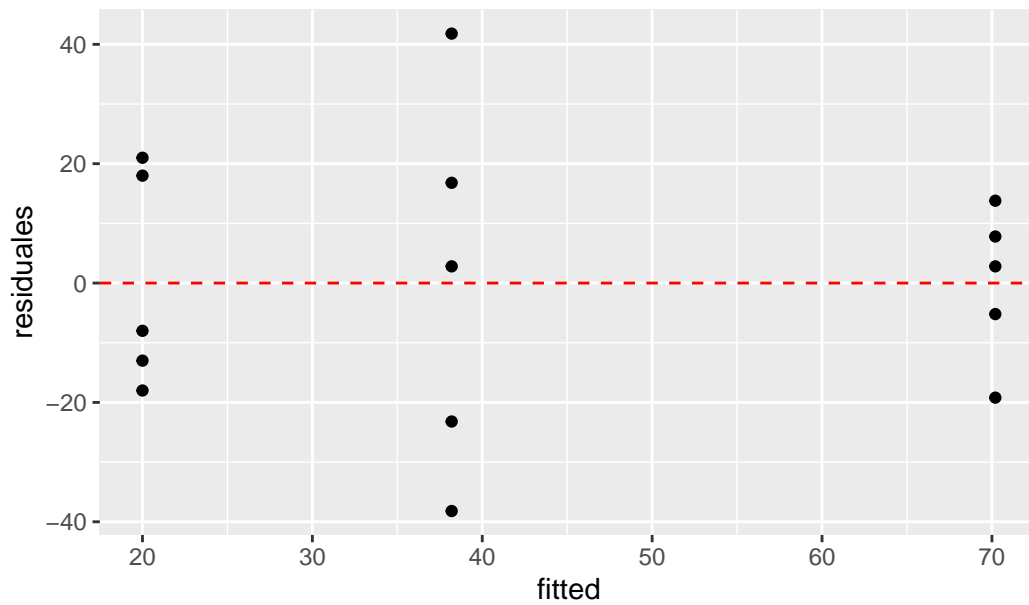
Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
[1] "                                                "
[1] "                                                "
[1] "TunnSmall"
[1] "                                                "
[1] "                                                "
[1] "#######################################################################"
[1] "                                                "
[1] "                                                "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```
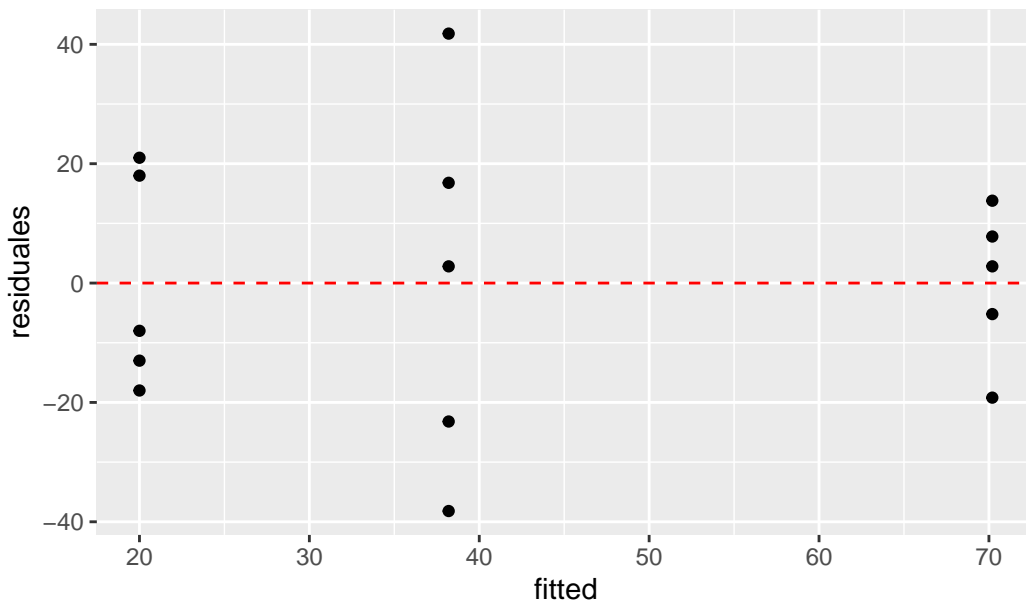
Gráfico de residuos vs valores ajustados


```
[1] "#########################################################################"
[1] "                                    "
[1] "                                    "
[1] "FeedingStrategyC"
[1] "                                    "
[1] "                                    "
[1] "#########################################################################"
[1] "                                    "
[1] "                                    "
[1] "Modelo test"
[[1]]
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   4798  2398.9   4.694 0.0312 *
Residuals     12   6133   511.1
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr       upr      p adj
Low-High  -21.2 -59.34579 16.945786 0.3330243
Null-High -43.8 -81.94579 -5.654214 0.0247504
Null-Low  -22.6 -60.74579 15.545786 0.2909670
```

```
[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95941, p-value = 0.6822


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.3102 0.3057
      12
```
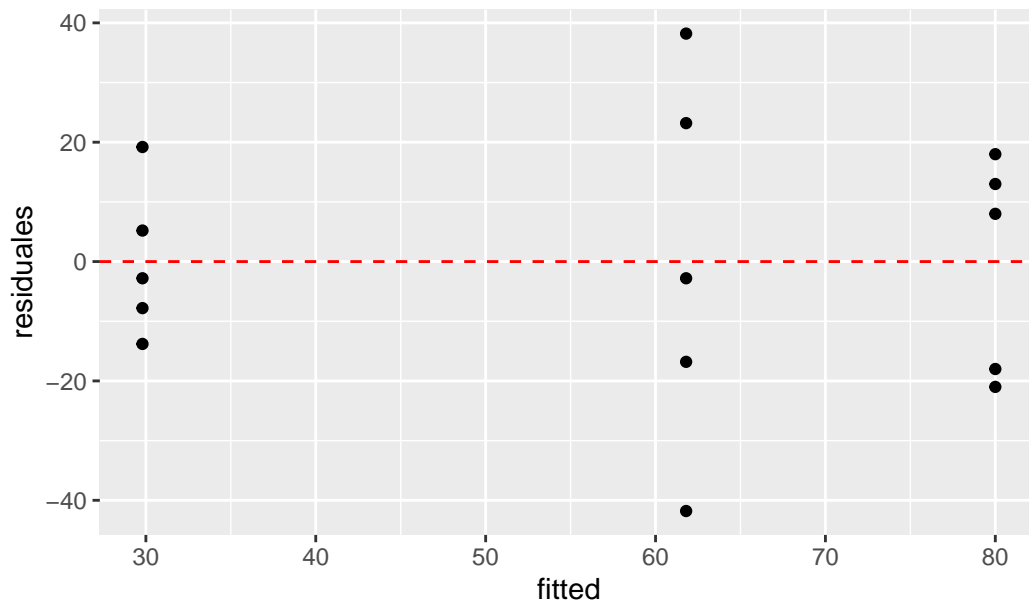
Gráfico de residuos vs valores ajustados


```
[1] "####################################################################"
[1] "                                                "
[1] "                                                "
[1] "FeedingStrategyG"
[1] "                                                "
[1] "                                                "
[1] "####################################################################"
[1] "                                                "
[1] "                                                "
[1] "Modelo test"
[[1]]
```

```
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2    78.5   39.27   0.187  0.832
Residuals     12  2517.2  209.77
```

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
```
          diff       lwr      upr     p adj
Low-High   5.6 -18.83779 30.03779 0.8167497
Null-High  2.6 -21.83779 27.03779 0.9567187
Null-Low  -3.0 -27.43779 21.43779 0.9428653
```
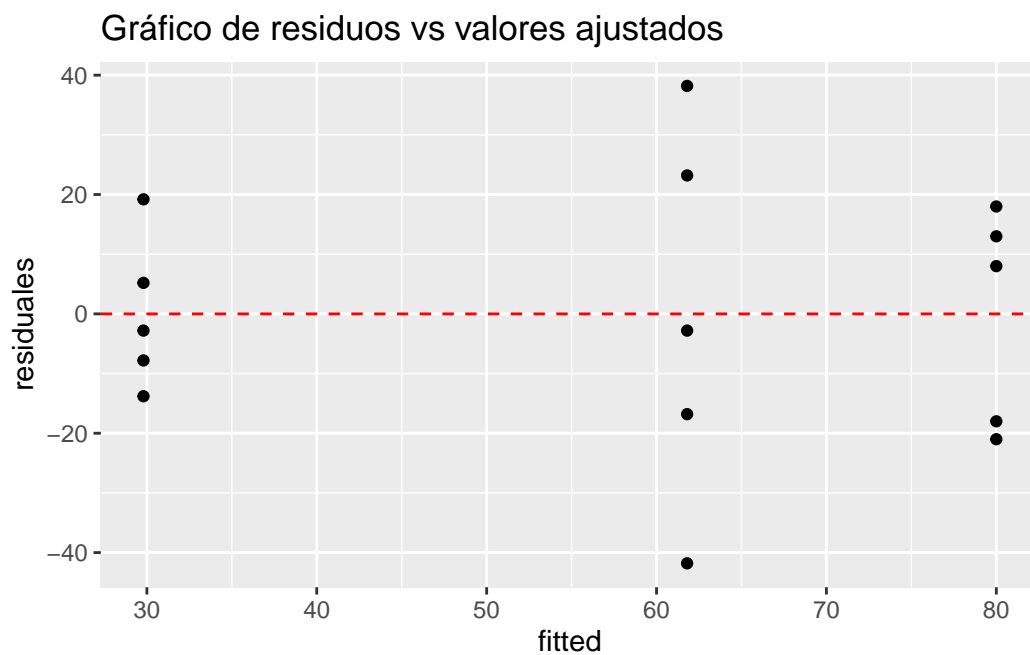

[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data: residuals(anova_result)
W = 0.92437, p-value = 0.2245

[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
```
      Df F value Pr(>F)
group  2  0.2655 0.7712
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
[1] "                                                          "
[1] "                                                          "
[1] "FeedingStrategyN"
[1] "                                                          "
[1] "                                                          "
[1] "#######################################################################"
[1] "                                                          "
[1] "                                                          "
[1] "Modelo test"
[[1]]
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   4359  2179.3   5.299 0.0224 *
Residuals     12   4935   411.3
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr      upr      p adj
Low-High  16.0 -18.21806 50.21806 0.4495810
Null-High 41.4   7.18194 75.61806 0.0184222
Null-Low  25.4  -8.81806 59.61806 0.1594957
```
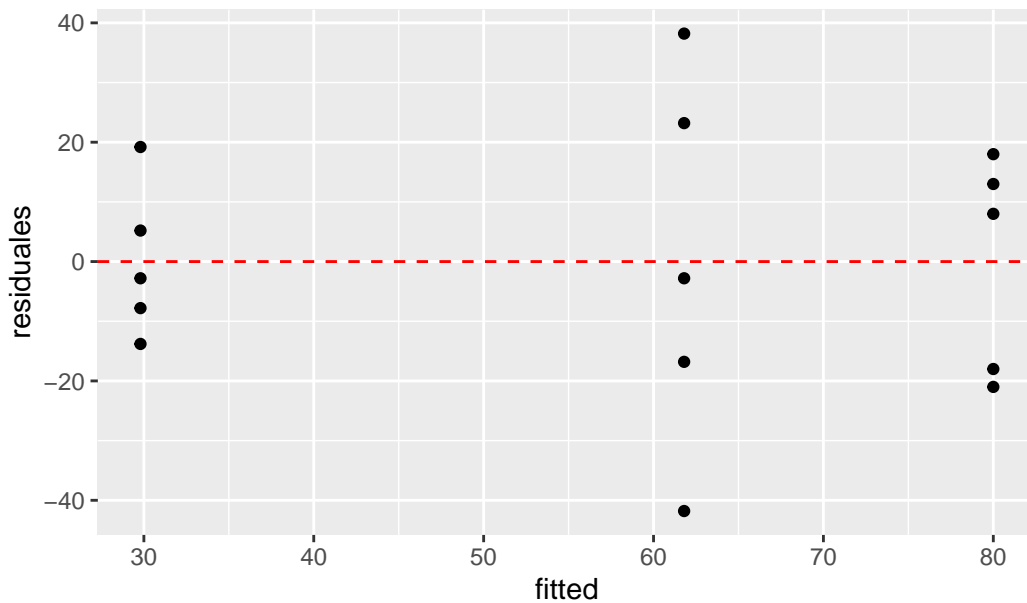
```
[1] "Shapiro Test"
[[1]]

        Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95482, p-value = 0.6033


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.9066  0.191
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "###################################################################"
[1] "                                                "
[1] "                                                "
[1] "HabitatPrefenceG"
[1] "                                                "
[1] "                                                "
[1] "###################################################################"
[1] "                                                "
[1] "                                                "
[1] "Modelo test"
[[1]]
```

```
               Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   6459    3229   6.446 0.0126 *
Residuals     12   6012     501
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff        lwr      upr      p adj
Low-High  18.2 -19.565744 55.96574 0.4292577
Null-High 50.2  12.434256 87.96574 0.0103979
Null-Low  32.0  -5.765744 69.76574 0.1008386


[1] "Shapiro Test"
[[1]]


    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.98615, p-value = 0.9953


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.6084 0.2405
      12
```
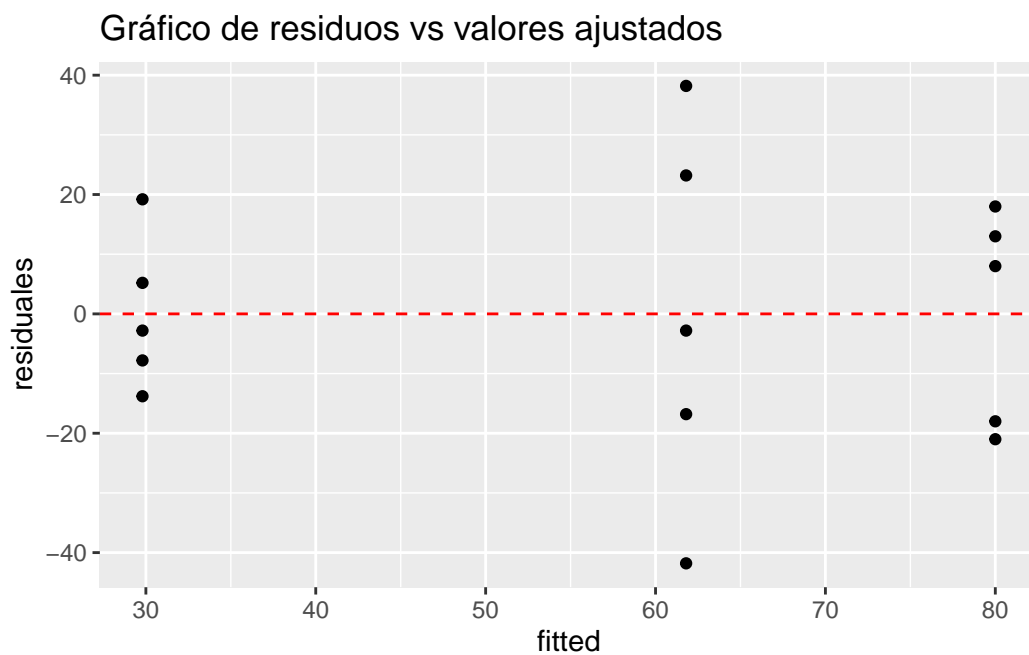
Gráfico de residuos vs valores ajustados


```
[1] "##########################################################################"
[1] "                                            "
[1] "                                            "
[1] "HabitatPrefenceS"
[1] "                                            "
[1] "                                            "
[1] "##########################################################################"
[1] "                                            "
[1] "                                            "
[1] "Modelo test"
[[1]]
            Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   6459    3229   6.446 0.0126 *
Residuals     12   6012     501
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr        upr       p adj
Low-High  -18.2 -55.96574  19.565744 0.4292577
Null-High -50.2 -87.96574 -12.434256 0.0103979
Null-Low  -32.0 -69.76574   5.765744 0.1008386
```

```
[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.98615, p-value = 0.9953


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.6084 0.2405
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "####################################################################"
[1] "                                    "
[1] "                                    "
[1] "RollLarge"
[1] "                                    "
[1] "                                    "
[1] "####################################################################"
[1] "                                    "
[1] "                                    "
[1] "Modelo test"
[[1]]
```

```
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```
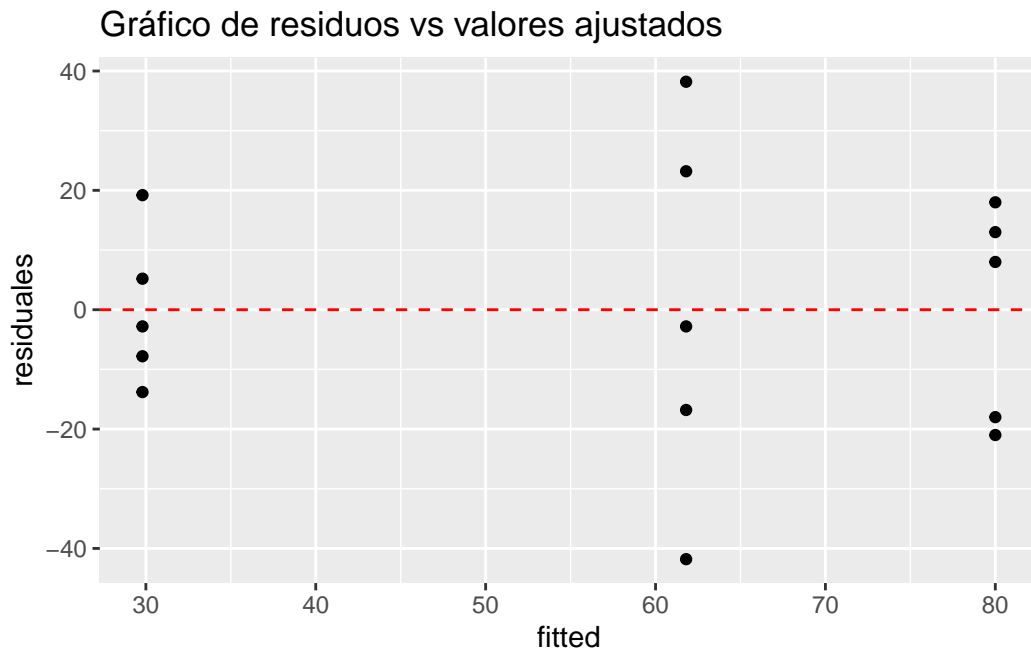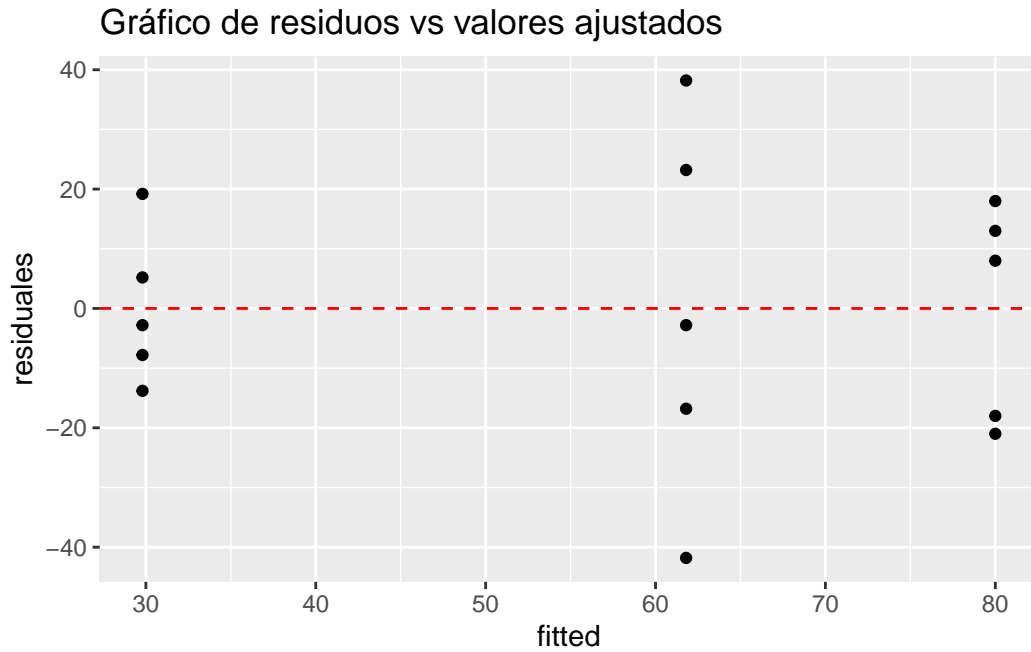
Gráfico de residuos vs valores ajustados


```
[1] "##################################################################"
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[1] "                                                                "
[1] "RollMedium"
[1] "                                                                "
[1] "                                                                "
[1] "##################################################################"
[1] "                                                                "
[1] "                                                                "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
```
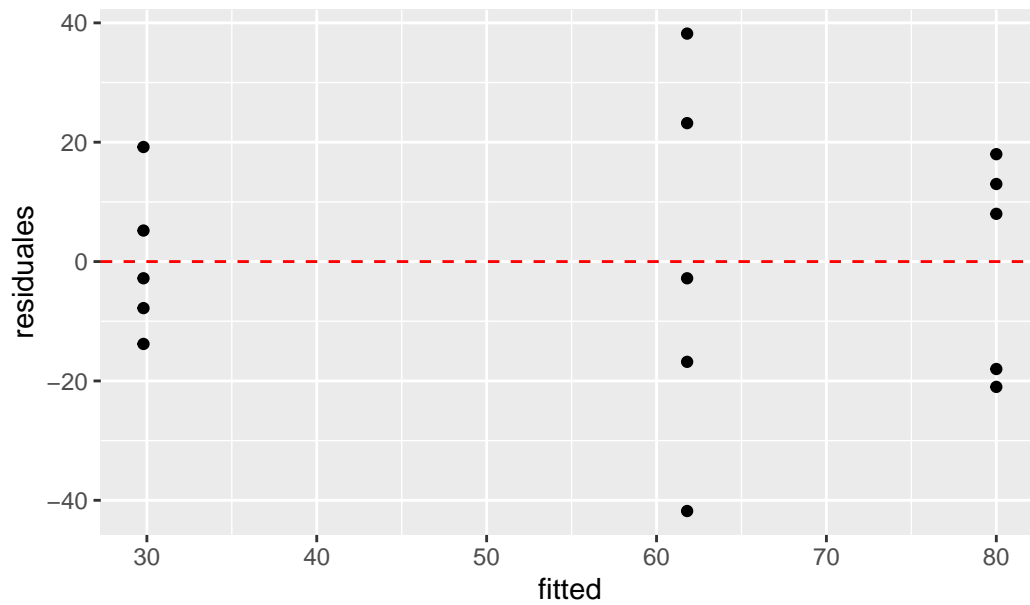
```
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```
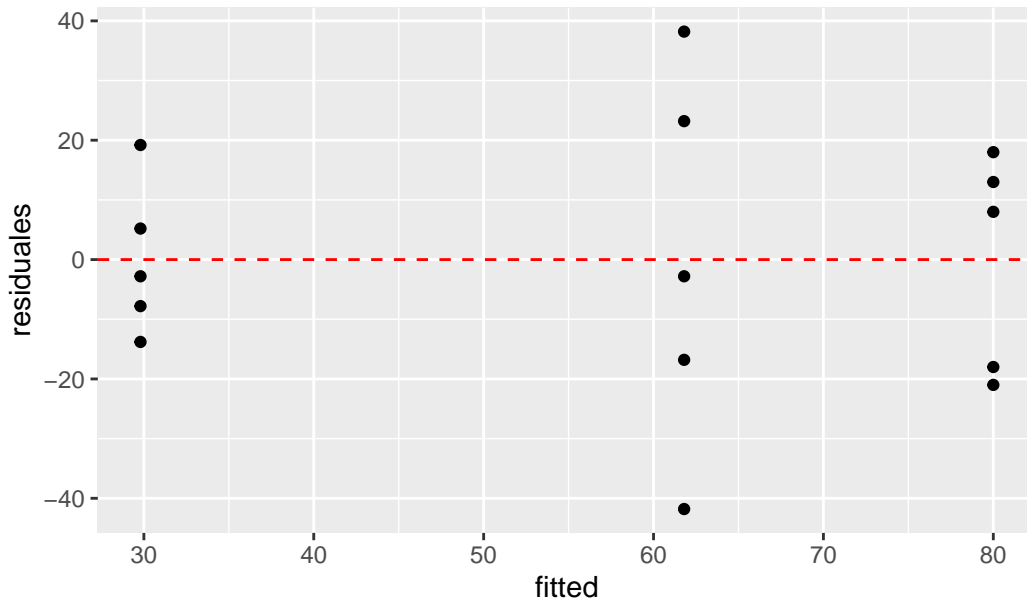
Gráfico de residuos vs valores ajustados


```
[1] "####################################################################"
[1] "                                                                  "
[1] "                                                                  "
[1] "RollSmall"
[1] "                                                                  "
[1] "                                                                  "
[1] "####################################################################"
[1] "                                                                  "
[1] "                                                                  "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
```

```
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "#########################################################################"
[1] "                                   "
[1] "                                   "
[1] "TunnLarge"
[1] "                                   "
[1] "                                   "
[1] "#########################################################################"
[1] "                                   "
[1] "                                   "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
```

NULL

Gráfico de residuos vs valores ajustados


```
[1] "######################################################################"
[1] "                                   "
[1] "                                   "
[1] "TunnMedium"
[1] "                                   "
[1] "                                   "
[1] "######################################################################"
[1] "                                   "
[1] "                                   "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
[1] "                                       "
[1] "                                       "
[1] "TunnSmall"
[1] "                                       "
[1] "                                       "
[1] "#######################################################################"
[1] "                                       "
[1] "                                       "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "#########################################################################"
[1] "                                              "
[1] "                                              "
[1] "FeedingStrategyC"
[1] "                                              "
[1] "                                              "
[1] "#########################################################################"
[1] "                                              "
[1] "                                              "
[1] "Modelo test"
[[1]]
               Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime   2   4798  2398.9   4.694 0.0312 *
Residuals      12   6133   511.1
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
           diff       lwr       upr     p adj
Low-High  -21.2 -59.34579 16.945786 0.3330243
Null-High -43.8 -81.94579 -5.654214 0.0247504
Null-Low  -22.6 -60.74579 15.545786 0.2909670
```

```
[1] "Shapiro Test"
[[1]]

        Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95941, p-value = 0.6822


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.3102 0.3057
      12
```
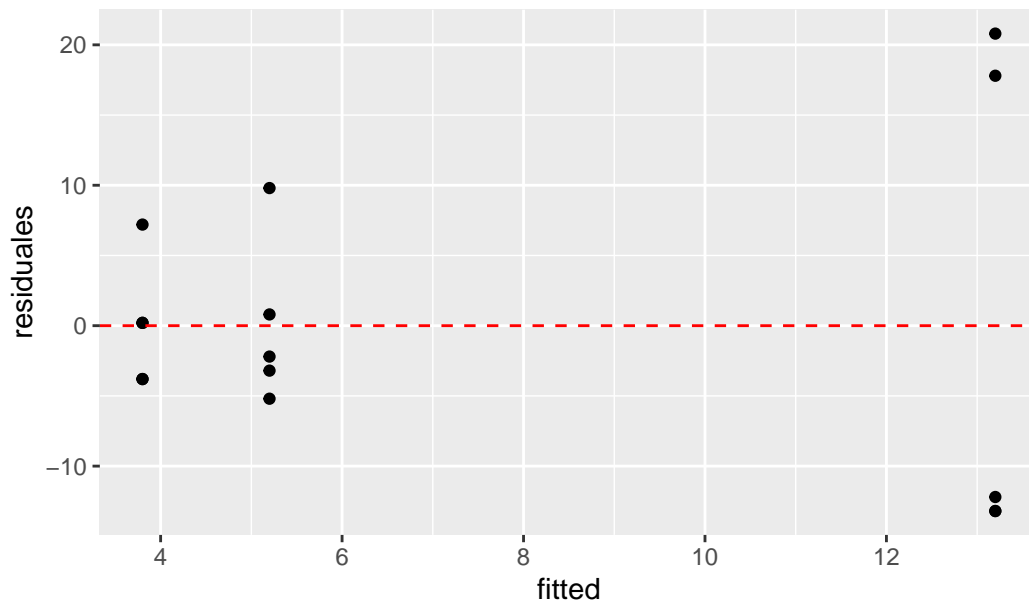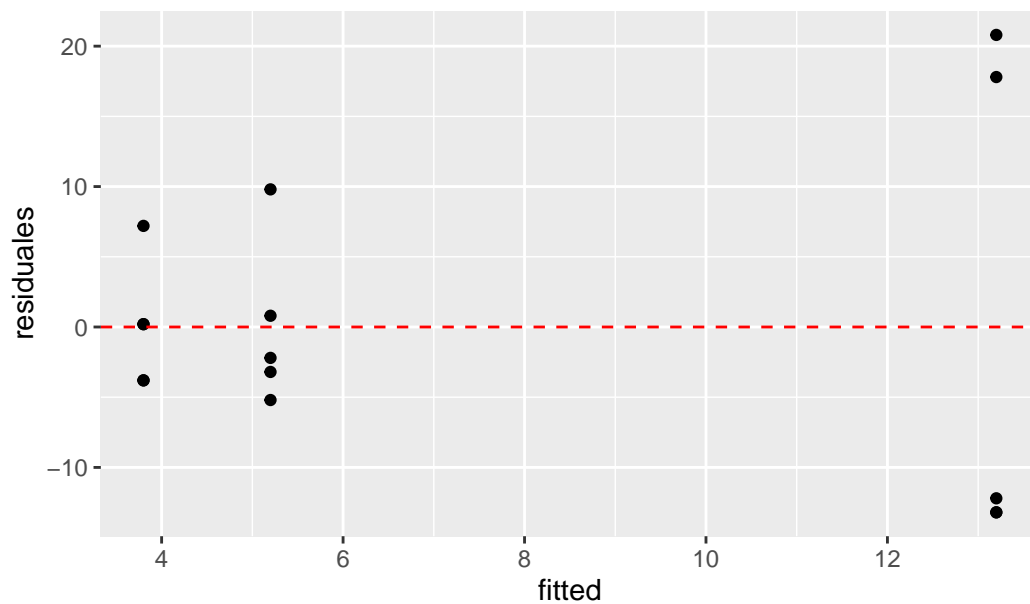
Gráfico de residuos vs valores ajustados


```
[1] "####################################################################"
[1] "                                                  "
[1] "                                                  "
[1] "FeedingStrategyG"
[1] "                                                  "
[1] "                                                  "
[1] "####################################################################"
[1] "                                                  "
[1] "                                                  "
[1] "Modelo test"
[[1]]
```

```
                Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2    78.5   39.27   0.187  0.832
Residuals     12  2517.2  209.77
```

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
```
          diff       lwr      upr       p adj
Low-High   5.6 -18.83779 30.03779 0.8167497
Null-High  2.6 -21.83779 27.03779 0.9567187
Null-Low  -3.0 -27.43779 21.43779 0.9428653
```

[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data: residuals(anova_result)
W = 0.92437, p-value = 0.2245

[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
```
      Df F value Pr(>F)
group  2  0.2655 0.7712
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
[1] "                                                 "
[1] "                                                 "
[1] "FeedingStrategyN"
[1] "                                                 "
[1] "                                                 "
[1] "#######################################################################"
[1] "                                                 "
[1] "                                                 "
[1] "Modelo test"
[[1]]
            Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   4359  2179.3   5.299 0.0224 *
Residuals     12   4935   411.3
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr      upr      p adj
Low-High  16.0 -18.21806 50.21806 0.4495810
Null-High 41.4   7.18194 75.61806 0.0184222
Null-Low  25.4  -8.81806 59.61806 0.1594957
```
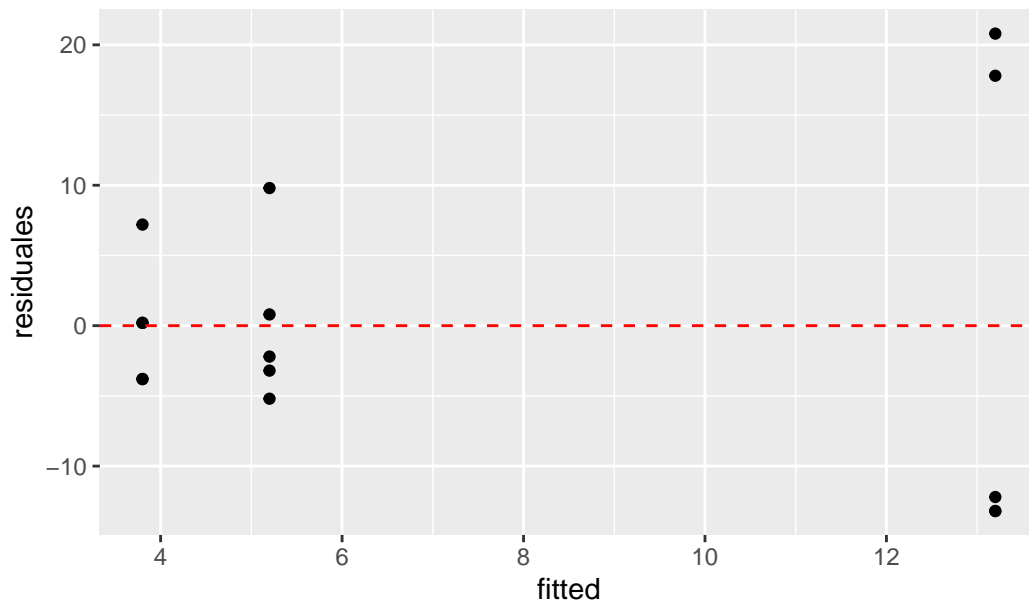
```
[1] "Shapiro Test"
[[1]]

        Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95482, p-value = 0.6033


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.9066  0.191
      12
```

Gráfico de residuos vs valores ajustados


```
[1]  "#####################################################################"
[1]  "                                                 "
[1]  "                                                 "
[1]  "HabitatPrefenceG"
[1]  "                                                 "
[1]  "                                                 "
[1]  "#####################################################################"
[1]  "                                                 "
[1]  "                                                 "
[1]  "Modelo test"
[[1]]
```

```
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   6459    3229   6.446 0.0126 *
Residuals     12   6012     501
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff        lwr      upr      p adj
Low-High  18.2 -19.565744 55.96574 0.4292577
Null-High 50.2  12.434256 87.96574 0.0103979
Null-Low  32.0  -5.765744 69.76574 0.1008386


[1] "Shapiro Test"
[[1]]


    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.98615, p-value = 0.9953


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.6084 0.2405
      12
```
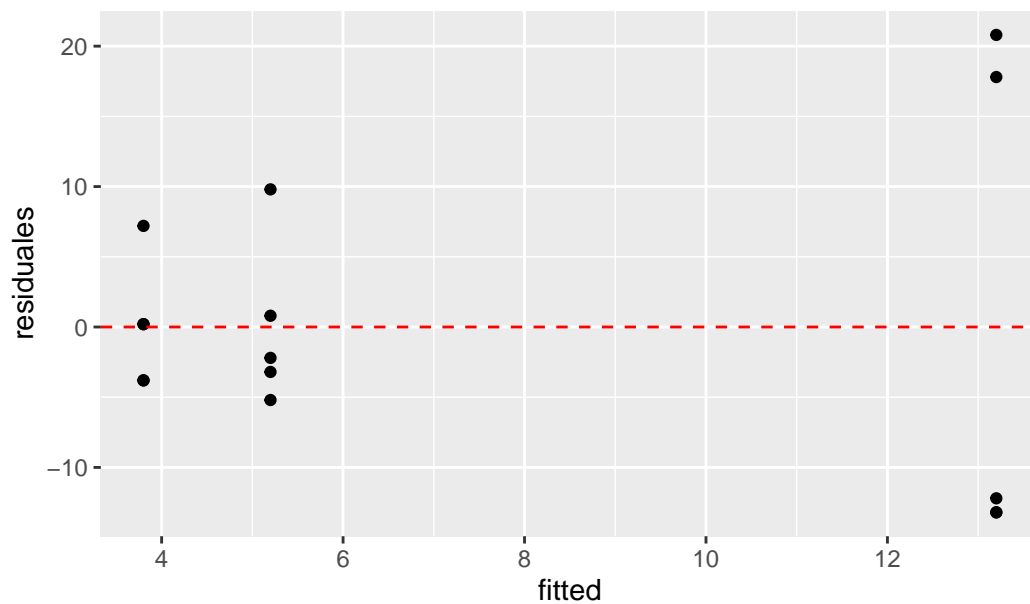
Gráfico de residuos vs valores ajustados


```
[1] "######################################################################"
[1] "                                    "
[1] "                                    "
[1] "HabitatPrefenceS"
[1] "                                    "
[1] "                                    "
[1] "######################################################################"
[1] "                                    "
[1] "                                    "
[1] "Modelo test"
[[1]]
            Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   6459    3229   6.446 0.0126 *
Residuals     12   6012     501
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr        upr      p adj
Low-High  -18.2 -55.96574  19.565744 0.4292577
Null-High -50.2 -87.96574 -12.434256 0.0103979
Null-Low  -32.0 -69.76574   5.765744 0.1008386
```

```
[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.98615, p-value = 0.9953


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.6084 0.2405
      12
```
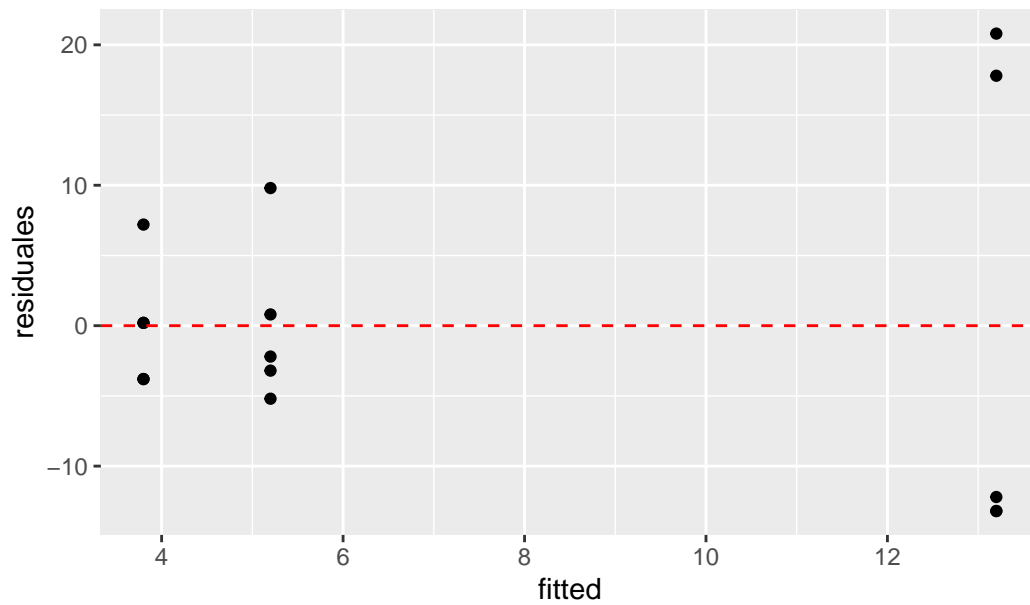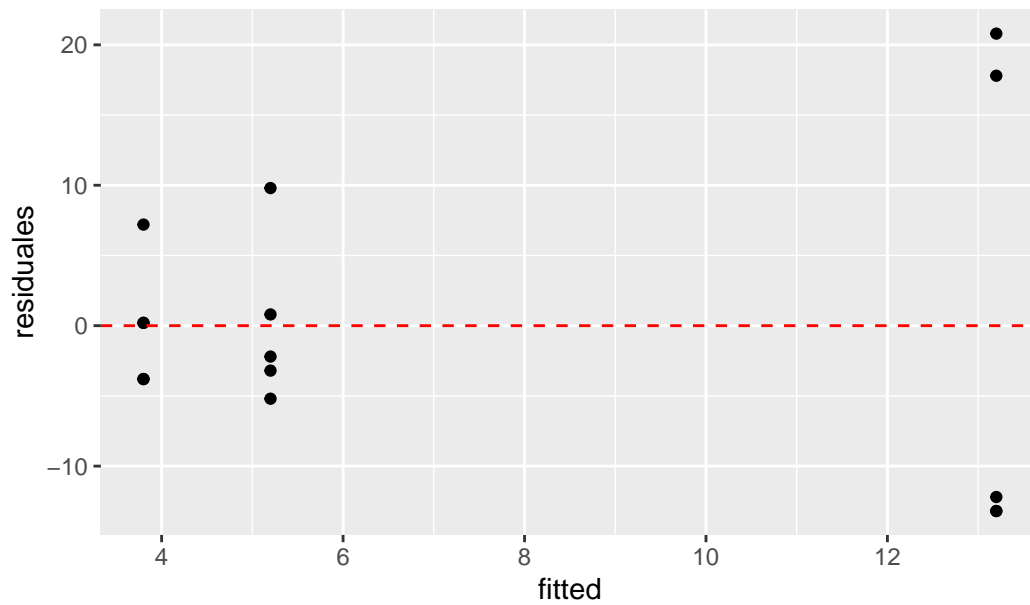
Gráfico de residuos vs valores ajustados


```
[1] "####################################################################"
[1] "                                                  "
[1] "                                                  "
[1] "RollLarge"
[1] "                                                  "
[1] "                                                  "
[1] "####################################################################"
[1] "                                                  "
[1] "                                                  "
[1] "Modelo test"
[[1]]
```

```
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2  257.2   128.6   1.052  0.379
Residuals     12 1466.4   122.2
```

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
```
          diff       lwr       upr      p adj
Low-High   8.0 -10.65216 26.652164 0.5067078
Null-High -1.4 -20.05216 17.252164 0.9781771
Null-Low  -9.4 -28.05216  9.252164 0.3989846
```

[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data: residuals(anova_result)
W = 0.91838, p-value = 0.182

[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
```
      Df F value Pr(>F)
group  2  1.4557 0.2716
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
[1] "                                                                       "
[1] "                                                                       "
[1] "RollMedium"
[1] "                                                                       "
[1] "                                                                       "
[1] "#######################################################################"
[1] "                                                                       "
[1] "                                                                       "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```
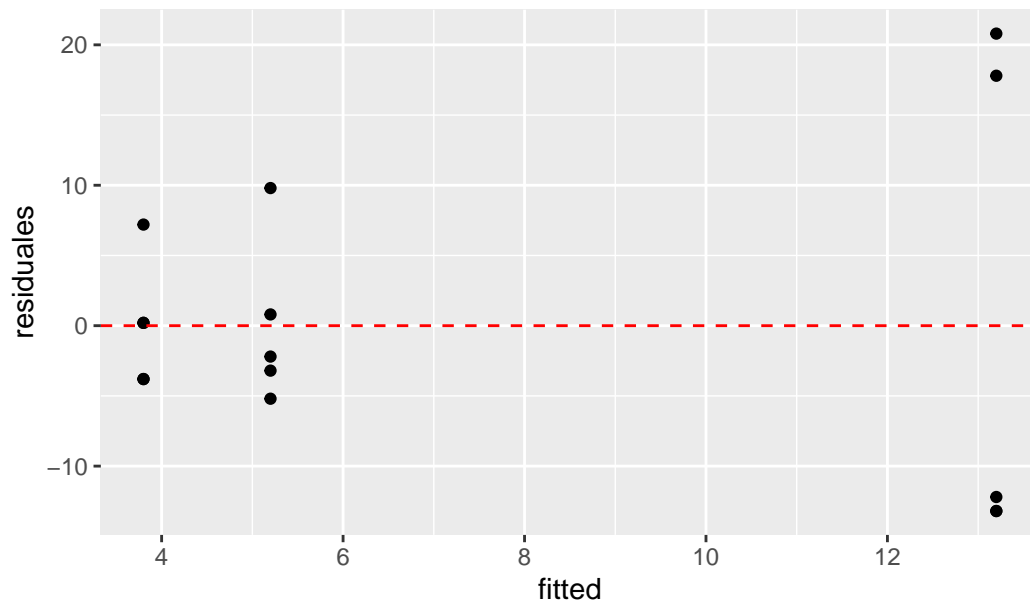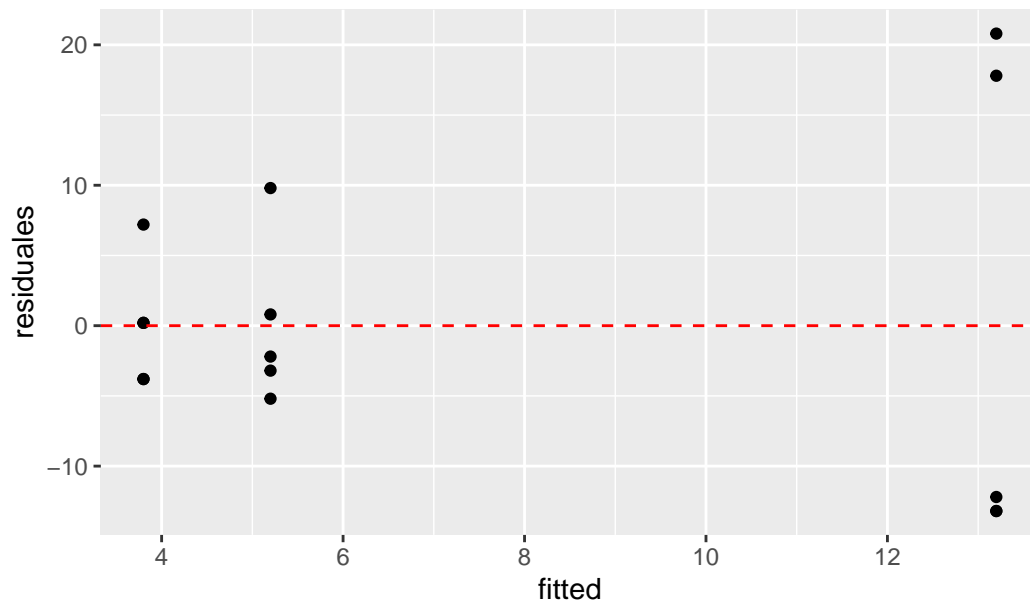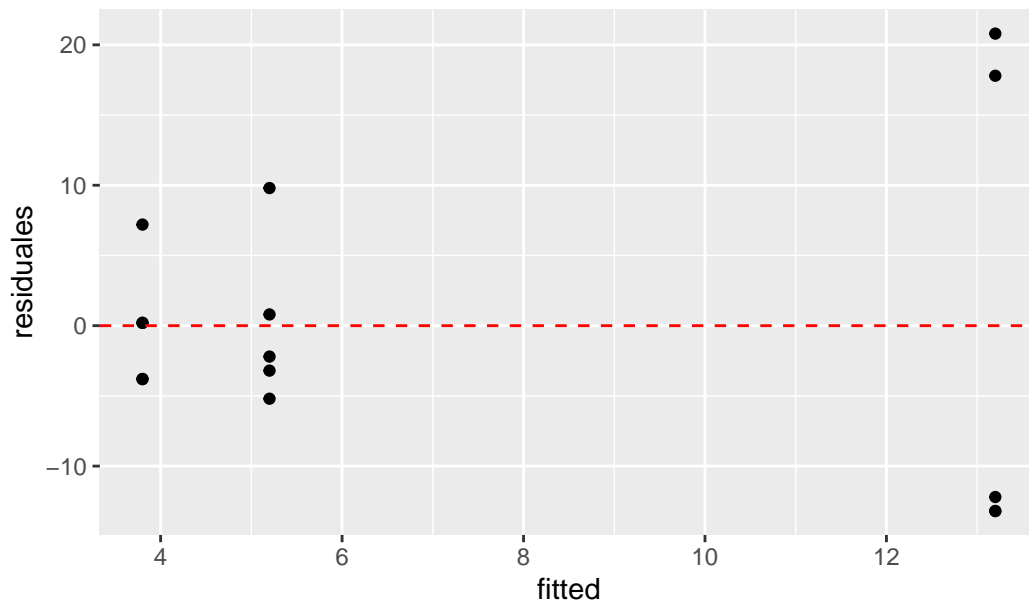
Gráfico de residuos vs valores ajustados


```
[1] "########################################################################"
[1] "                                    "
[1] "                                    "
[1] "RollSmall"
[1] "                                    "
[1] "                                    "
[1] "########################################################################"
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[1] "                                    "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "######################################################################"
[1] "                                                "
[1] "                                                "
[1] "TunnLarge"
[1] "                                                "
[1] "                                                "
[1] "######################################################################"
[1] "                                                "
[1] "                                                "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "########################################################################"
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[1] "                                   "
[1] "TunnMedium"
[1] "                                   "
[1] "                                   "
[1] "########################################################################"
[1] "                                   "
[1] "                                   "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "########################################################################"
[1] "                                  "
[1] "                                  "
[1] "TunnSmall"
[1] "                                  "
[1] "                                  "
[1] "########################################################################"
[1] "                                  "
[1] "                                  "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "#########################################################################"
[1] "                                        "
[1] "                                        "
[1] "FeedingStrategyC"
[1] "                                        "
[1] "                                        "
[1] "#########################################################################"
[1] "                                        "
[1] "                                        "
[1] "Modelo test"
[[1]]
             Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   4798  2398.9   4.694 0.0312 *
Residuals     12   6133   511.1
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
           diff       lwr       upr      p adj
Low-High  -21.2 -59.34579 16.945786 0.3330243
Null-High -43.8 -81.94579 -5.654214 0.0247504
Null-Low  -22.6 -60.74579 15.545786 0.2909670
```

```
[1] "Shapiro Test"
[[1]]

        Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95941, p-value = 0.6822


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.3102 0.3057
      12
```
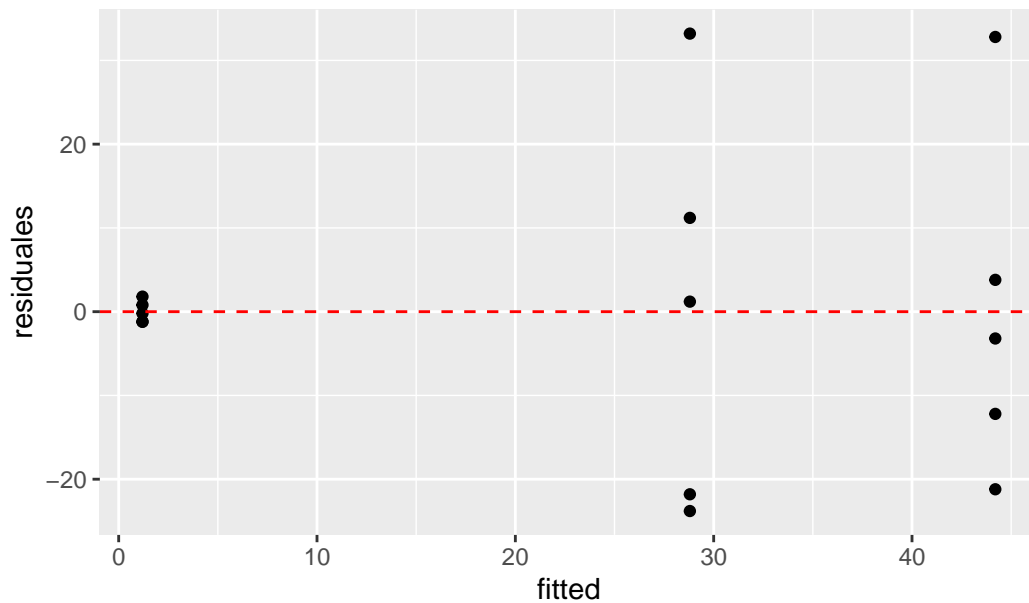
Gráfico de residuos vs valores ajustados


```
[1]  "####################################################################"
[1]  "                                                  "
[1]  "                                                  "
[1]  "FeedingStrategyG"
[1]  "                                                  "
[1]  "                                                  "
[1]  "####################################################################"
[1]  "                                                  "
[1]  "                                                  "
[1]  "Modelo test"
[[1]]
```

```
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   78.5   39.27   0.187  0.832
Residuals     12 2517.2  209.77
```

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
```
          diff       lwr      upr     p adj
Low-High   5.6 -18.83779 30.03779 0.8167497
Null-High  2.6 -21.83779 27.03779 0.9567187
Null-Low  -3.0 -27.43779 21.43779 0.9428653
```

[1] "Shapiro Test"
[[1]]
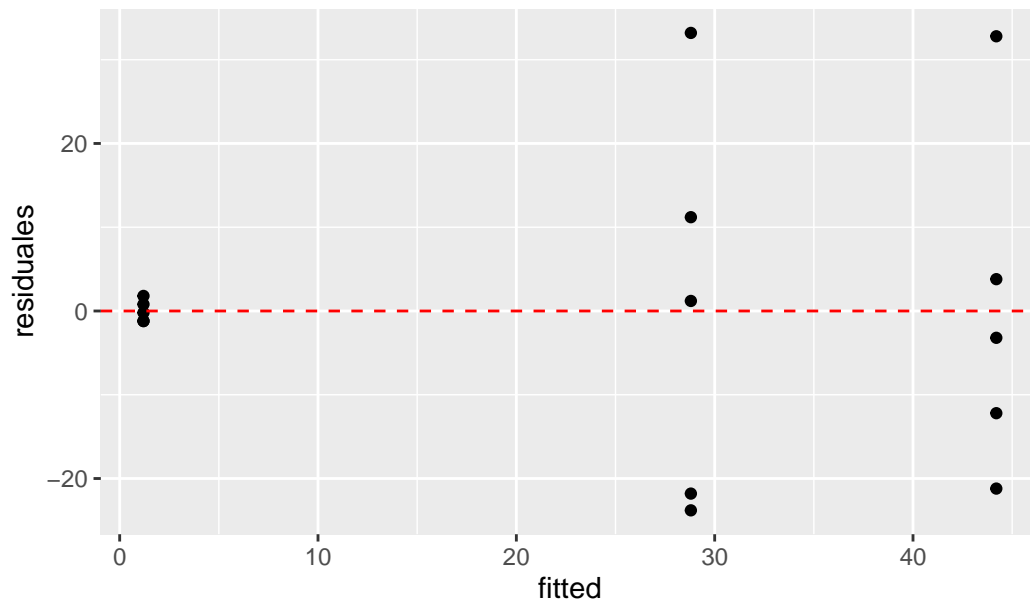
    Shapiro-Wilk normality test

data: residuals(anova_result)
W = 0.92437, p-value = 0.2245

[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
```
      Df F value Pr(>F)
group  2  0.2655 0.7712
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "#########################################################################"
[1] "                                                  "
[1] "                                                  "
[1] "FeedingStrategyN"
[1] "                                                  "
[1] "                                                  "
[1] "#########################################################################"
[1] "                                                  "
[1] "                                                  "
[1] "Modelo test"
[[1]]
               Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime   2   4359  2179.3   5.299 0.0224 *
Residuals      12   4935   411.3
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)


$BurningRegime
          diff       lwr      upr     p adj
Low-High  16.0 -18.21806 50.21806 0.4495810
Null-High 41.4   7.18194 75.61806 0.0184222
Null-Low  25.4  -8.81806 59.61806 0.1594957
```

```
[1] "Shapiro Test"
[[1]]

        Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95482, p-value = 0.6033


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.9066  0.191
      12
```
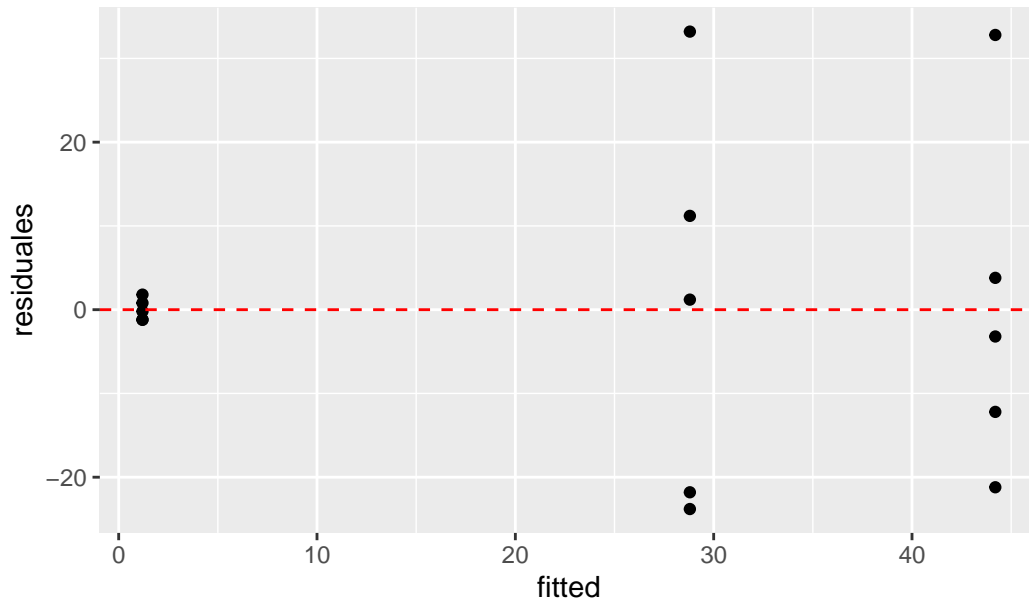
Gráfico de residuos vs valores ajustados


```
[1]  "######################################################################"
[1]  "                                                                      "
[1]  "                                                                      "
[1]  "HabitatPrefenceG"
[1]  "                                                                      "
[1]  "                                                                      "
[1]  "######################################################################"
[1]  "                                                                      "
[1]  "                                                                      "
[1]  "Modelo test"
[[1]]
```

```
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   6459    3229   6.446 0.0126 *
Residuals     12   6012     501
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr      upr      p adj
Low-High  18.2 -19.565744 55.96574 0.4292577
Null-High 50.2  12.434256 87.96574 0.0103979
Null-Low  32.0  -5.765744 69.76574 0.1008386

[1] "Shapiro Test"
[[1]]


    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.98615, p-value = 0.9953


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.6084 0.2405
      12
```
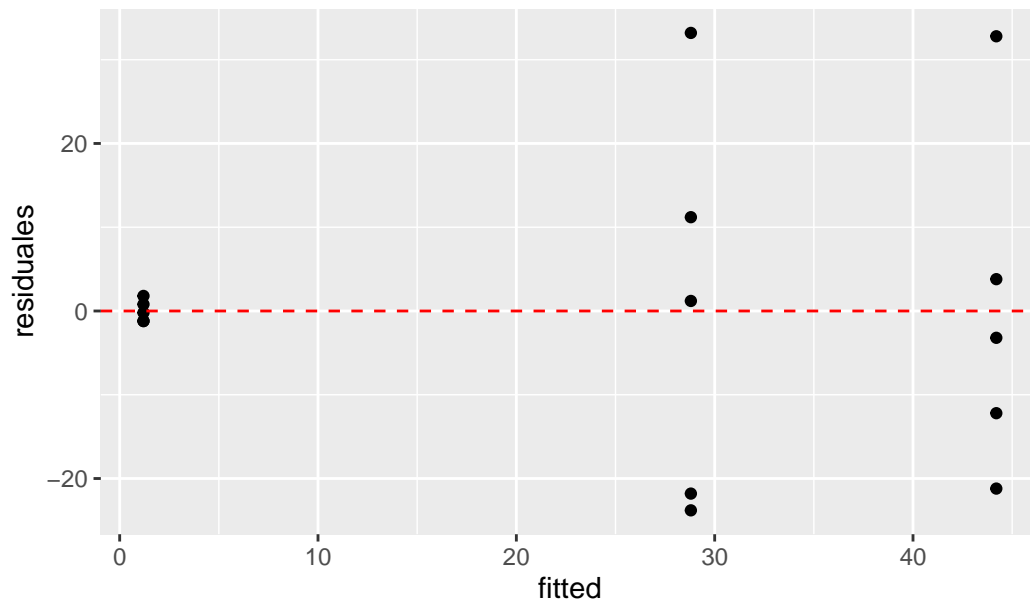
Gráfico de residuos vs valores ajustados


```
[1] "########################################################################"
[1] "                                    "
[1] "                                    "
[1] "HabitatPrefenceS"
[1] "                                    "
[1] "                                    "
[1] "########################################################################"
[1] "                                    "
[1] "                                    "
[1] "Modelo test"
[[1]]
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   6459    3229   6.446 0.0126 *
Residuals     12   6012     501
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)


$BurningRegime
           diff       lwr        upr       p adj
Low-High  -18.2 -55.96574  19.565744 0.4292577
Null-High -50.2 -87.96574 -12.434256 0.0103979
Null-Low  -32.0 -69.76574   5.765744 0.1008386
```

```
[1] "Shapiro Test"
[[1]]


    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.98615, p-value = 0.9953


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.6084 0.2405
      12
```
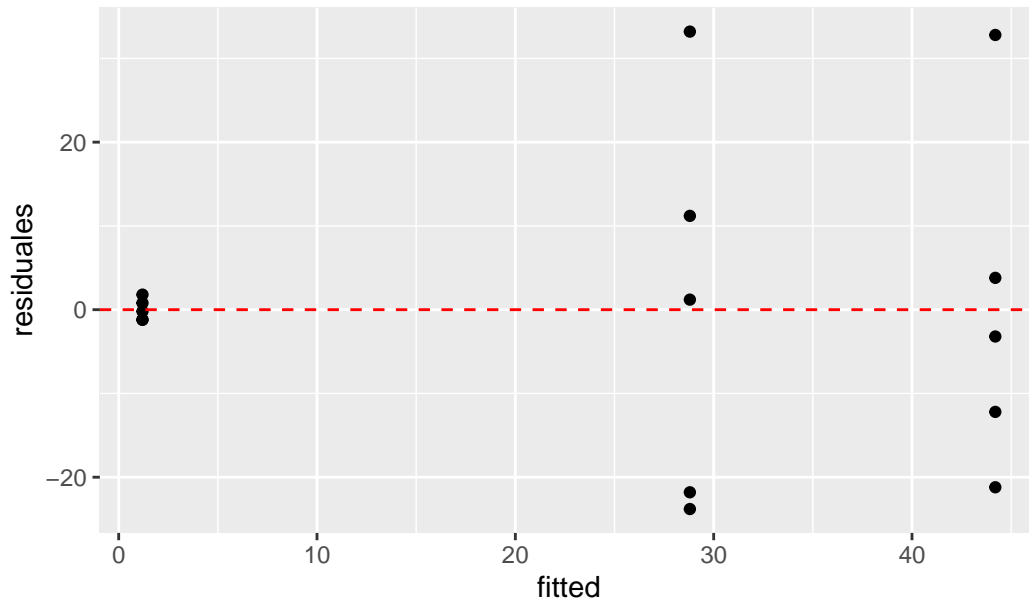
Gráfico de residuos vs valores ajustados


```
[1]  "###################################################################"
[1]  "                                                                   "
[1]  "                                                                   "
[1]  "RollLarge"
[1]  "                                                                   "
[1]  "                                                                   "
[1]  "###################################################################"
[1]  "                                                                   "
[1]  "                                                                   "
[1]  "Modelo test"
[[1]]
```

```
             Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2  257.2   128.6   1.052  0.379
Residuals     12 1466.4   122.2
```

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff   lwr   upr   p adj
Low-High   8.0 -10.65216 26.652164 0.5067078
Null-High -1.4 -20.05216 17.252164 0.9781771
Null-Low -9.4 -28.05216 9.252164 0.3989846

[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data: residuals(anova_result)
W = 0.91838, p-value = 0.182

[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
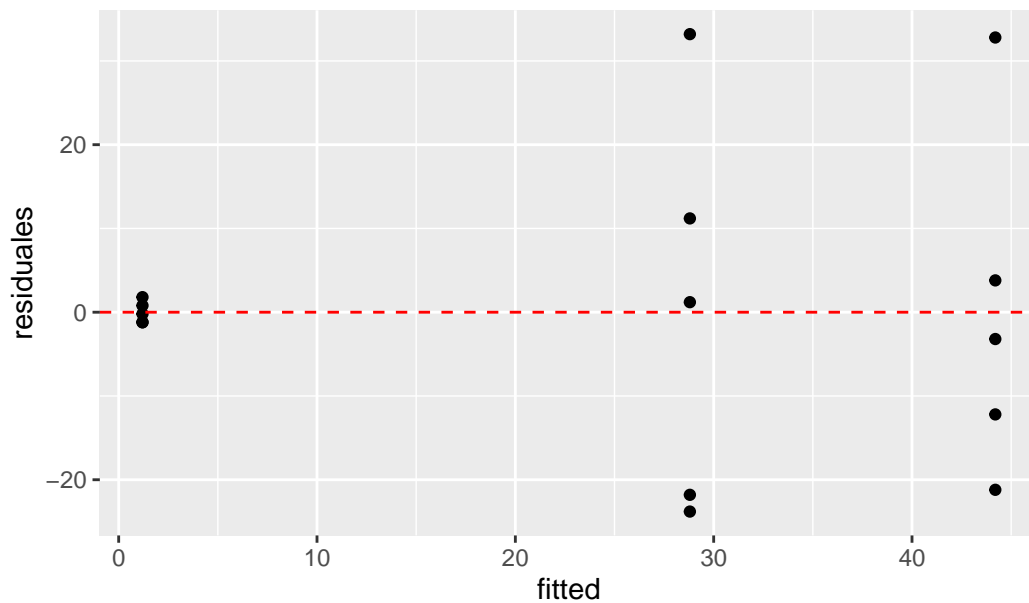   Df F value Pr(>F)
group 2 1.4557 0.2716
      12

Gráfico de residuos vs valores ajustados


```
[1] "########################################################################"
[1] "                                                   "
[1] "                                                   "
[1] "RollMedium"
[1] "                                                   "
[1] "                                                   "
[1] "########################################################################"
[1] "                                                   "
[1] "                                                   "
[1] "Modelo test"
[[1]]
               Df Sum Sq Mean Sq F value  Pr(>F)
BurningRegime   2   4747  2373.3   7.162 0.00897 **
Residuals      12   3976   331.4
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
           diff       lwr        upr      p adj
Low-High  -15.4 -46.11482  15.314824 0.4024580
Null-High -43.0 -73.71482 -12.285176 0.0074190
Null-Low  -27.6 -58.31482   3.114824 0.0799771
```
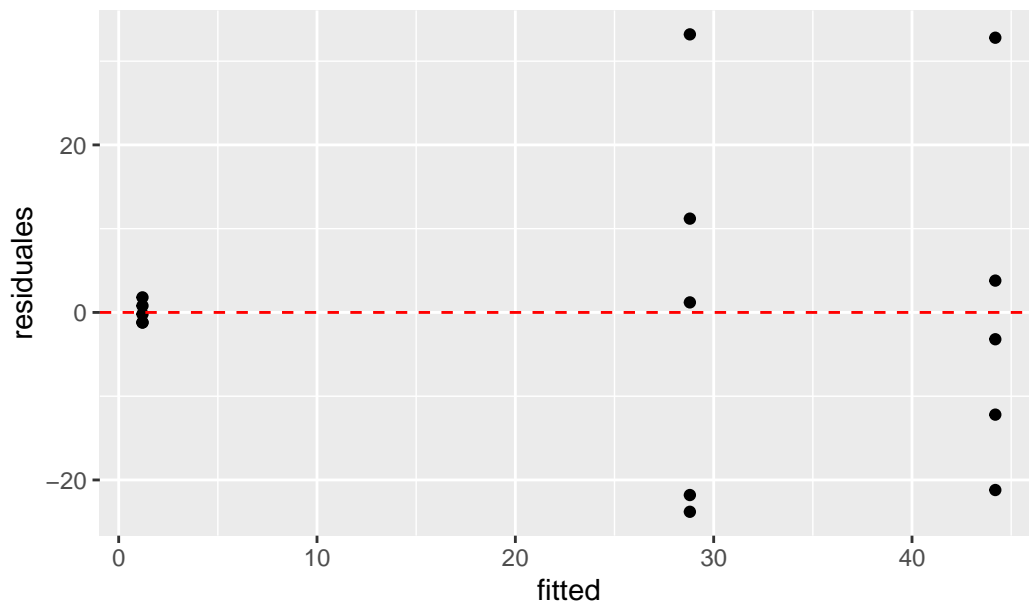
```
[1] "Shapiro Test"
[[1]]

	Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.8894, p-value = 0.06567


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value  Pr(>F)
group  2  3.3147 0.07143 .
      12
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

Gráfico de residuos vs valores ajustados


```
[1] "#####################################################################"
[1] "                                                    "
[1] "                                                    "
[1] "RollSmall"
[1] "                                                    "
[1] "                                                    "
[1] "#####################################################################"
[1] "                                                    "
```

```
[1] "                                 "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```
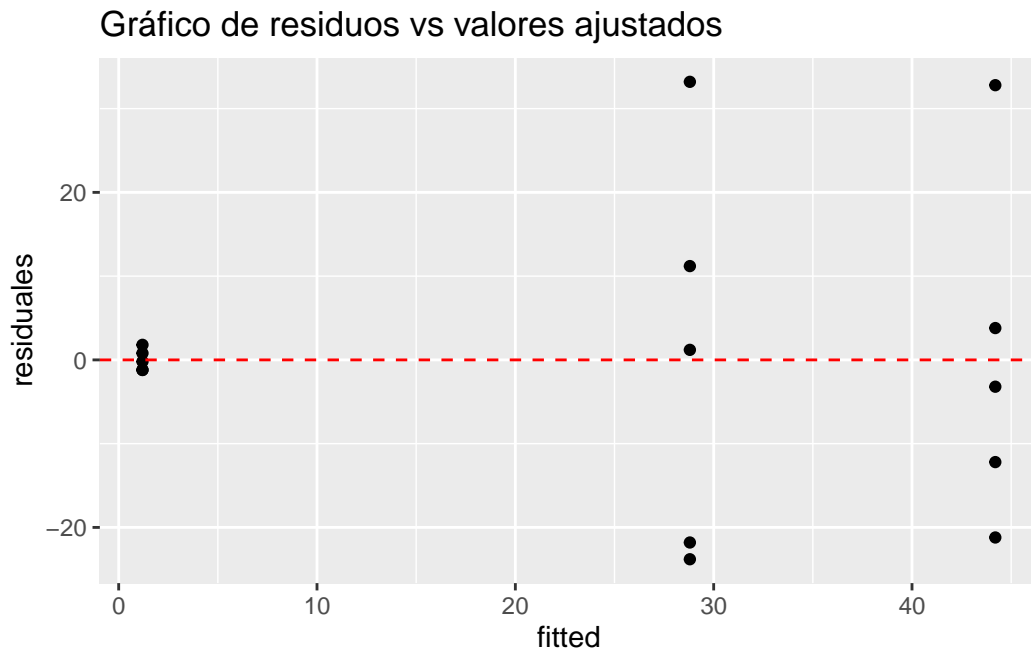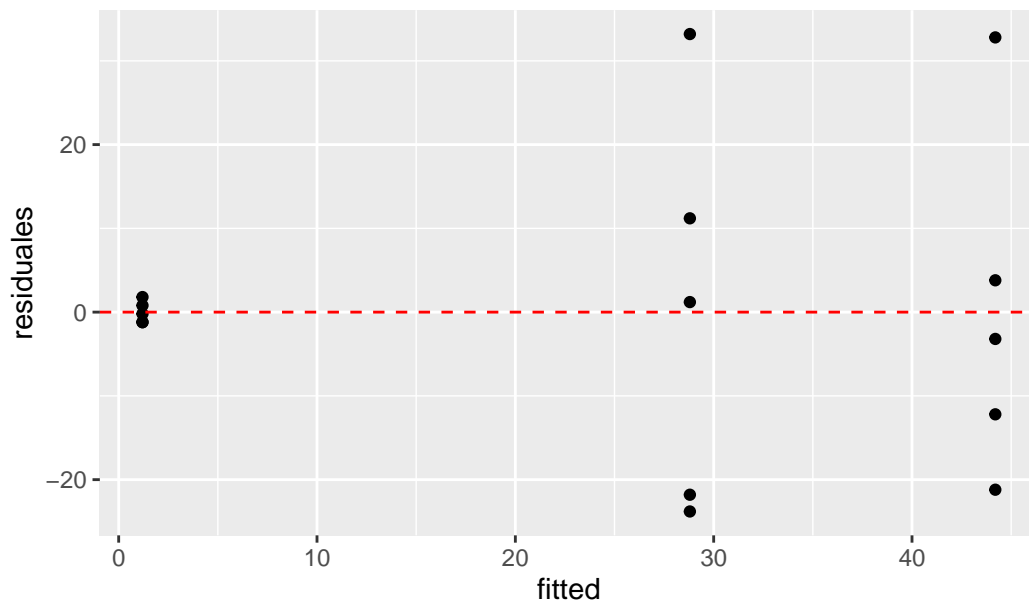
Gráfico de residuos vs valores ajustados


```
[1] "######################################################################"
[1] "                                 "
[1] "                                 "
[1] "TunnLarge"
[1] "                                 "
[1] "                                 "
[1] "######################################################################"
[1] "                                 "
[1] "                                 "
[1] "Modelo test"
[[1]]
NULL
```

```
[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "##################################################################"
[1] "                                    "
[1] "                                    "
[1] "TunnMedium"
[1] "                                    "
[1] "                                    "
[1] "##################################################################"
[1] "                                    "
[1] "                                    "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL
```

```
[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "###################################################################"
[1] "                                                                   "
[1] "                                                                   "
[1] "TunnSmall"
[1] "                                                                   "
[1] "                                                                   "
[1] "###################################################################"
[1] "                                                                   "
[1] "                                                                   "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL
```

```
[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "######################################################################"
[1] "                                                                    "
[1] "                                                                    "
[1] "FeedingStrategyC"
[1] "                                                                    "
[1] "                                                                    "
[1] "######################################################################"
[1] "                                                                    "
[1] "                                                                    "
[1] "Modelo test"
[[1]]
            Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   4798  2398.9   4.694 0.0312 *
Residuals     12   6133   511.1
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)
```

```
$BurningRegime
           diff       lwr       upr      p adj
Low-High   -21.2 -59.34579 16.945786 0.3330243
Null-High  -43.8 -81.94579 -5.654214 0.0247504
Null-Low   -22.6 -60.74579 15.545786 0.2909670


[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95941, p-value = 0.6822


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.3102 0.3057
      12
```
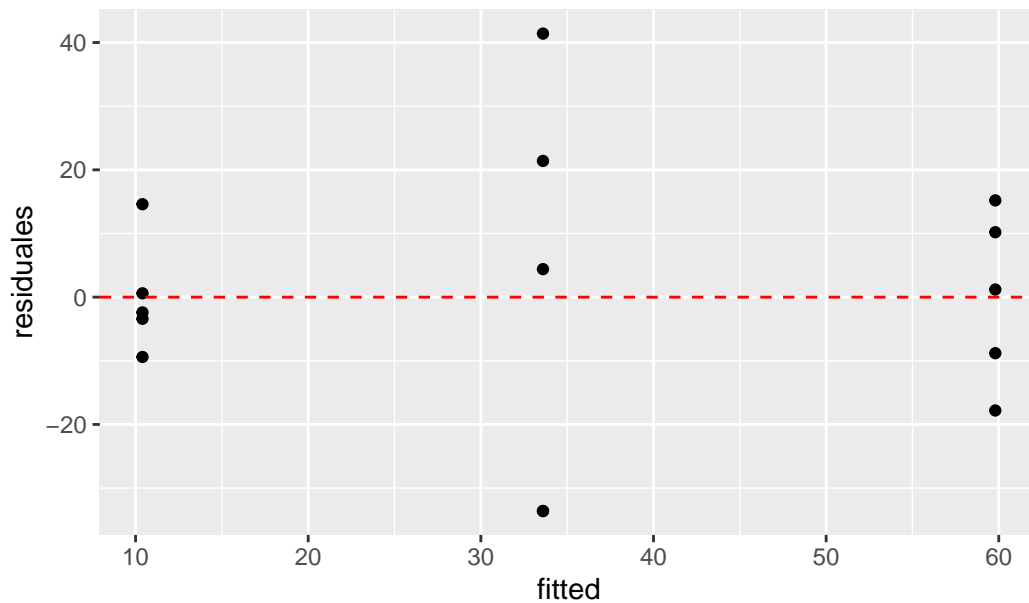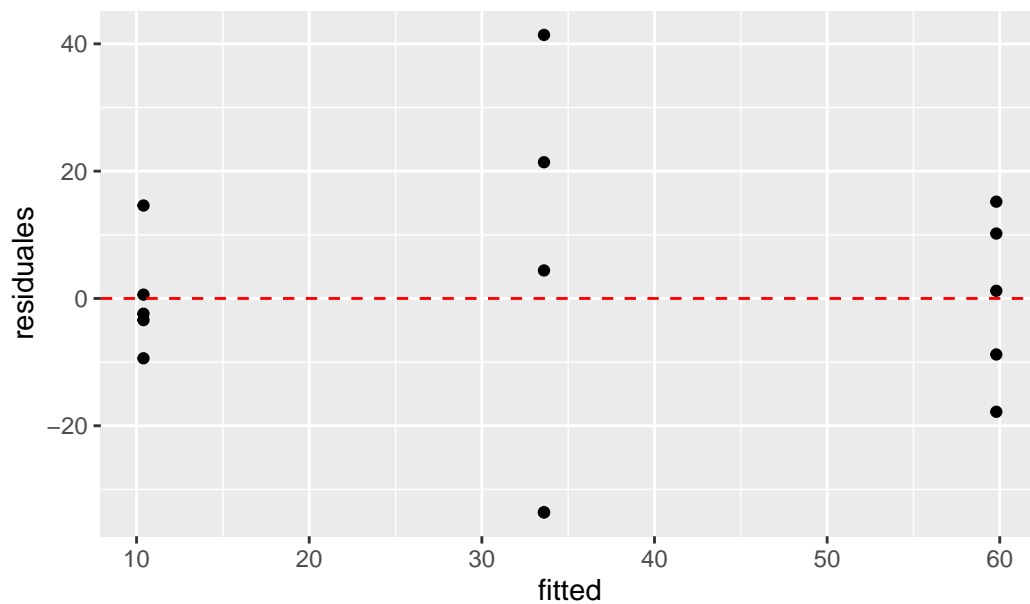
Gráfico de residuos vs valores ajustados


```
[1] "#################################################################"
[1] "                                                                 "
[1] "                                                                 "
[1] "FeedingStrategyG"
[1] "                                                                 "
[1] "                                                                 "
```

```
[1]  "###############################################################"
[1]  "                                       "
[1]  "                                       "
[1]  "Modelo test"
[[1]]
             Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   78.5   39.27   0.187  0.832
Residuals     12 2517.2  209.77

[1]  "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr      upr     p adj
Low-High   5.6 -18.83779 30.03779 0.8167497
Null-High  2.6 -21.83779 27.03779 0.9567187
Null-Low  -3.0 -27.43779 21.43779 0.9428653


[1]  "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.92437, p-value = 0.2245


[1]  "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  0.2655 0.7712
      12
```
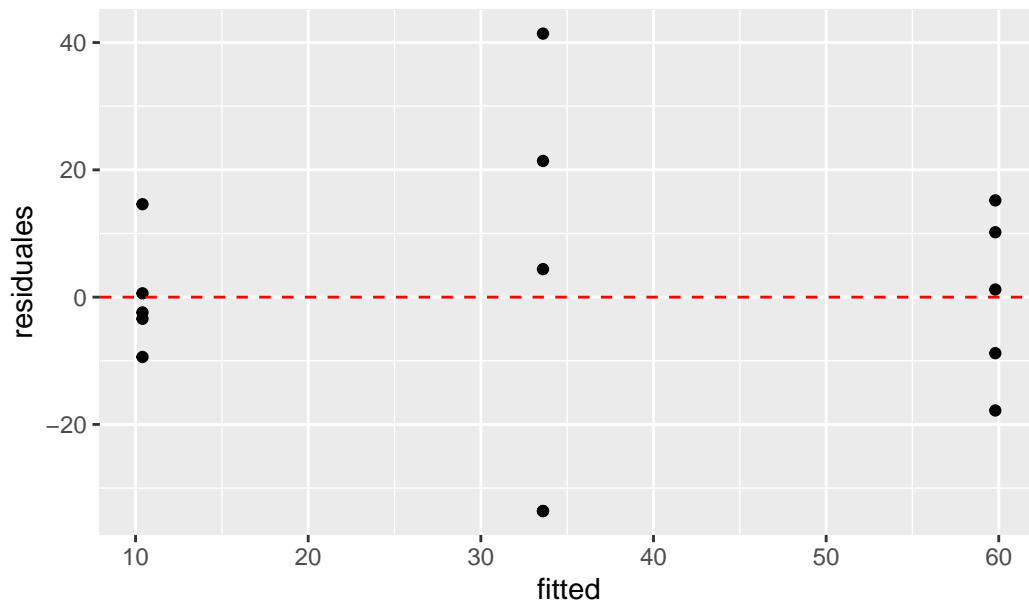
Gráfico de residuos vs valores ajustados


```
[1] "##########################################################################"
[1] "                                                    "
[1] "                                                    "
[1] "FeedingStrategyN"
[1] "                                                    "
[1] "                                                    "
[1] "##########################################################################"
[1] "                                                    "
[1] "                                                    "
[1] "Modelo test"
[[1]]
             Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   4359  2179.3   5.299 0.0224 *
Residuals     12   4935   411.3
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr      upr      p adj
Low-High  16.0 -18.21806 50.21806 0.4495810
Null-High 41.4   7.18194 75.61806 0.0184222
Null-Low  25.4  -8.81806 59.61806 0.1594957
```

```
[1] "Shapiro Test"
[[1]]

        Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95482, p-value = 0.6033


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
       Df F value Pr(>F)
group   2  1.9066  0.191
       12
```

Gráfico de residuos vs valores ajustados


```
[1] "######################################################################"
[1] "                                        "
[1] "                                        "
[1] "HabitatPrefenceG"
[1] "                                        "
[1] "                                        "
[1] "######################################################################"
[1] "                                        "
[1] "                                        "
[1] "Modelo test"
[[1]]
```

```
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   6459    3229   6.446 0.0126 *
Residuals     12   6012     501
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff        lwr      upr      p adj
Low-High  18.2 -19.565744 55.96574 0.4292577
Null-High 50.2  12.434256 87.96574 0.0103979
Null-Low  32.0  -5.765744 69.76574 0.1008386


[1] "Shapiro Test"
[[1]]


    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.98615, p-value = 0.9953


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.6084 0.2405
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
[1] "                                       "
[1] "                                       "
[1] "HabitatPrefenceS"
[1] "                                       "
[1] "                                       "
[1] "#######################################################################"
[1] "                                       "
[1] "                                       "
[1] "Modelo test"
[[1]]
             Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   6459    3229   6.446 0.0126 *
Residuals     12   6012     501
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
           diff       lwr        upr      p adj
Low-High  -18.2 -55.96574  19.565744 0.4292577
Null-High -50.2 -87.96574 -12.434256 0.0103979
Null-Low  -32.0 -69.76574   5.765744 0.1008386
```

```
[1] "Shapiro Test"
[[1]]

        Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.98615, p-value = 0.9953


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.6084 0.2405
      12
```
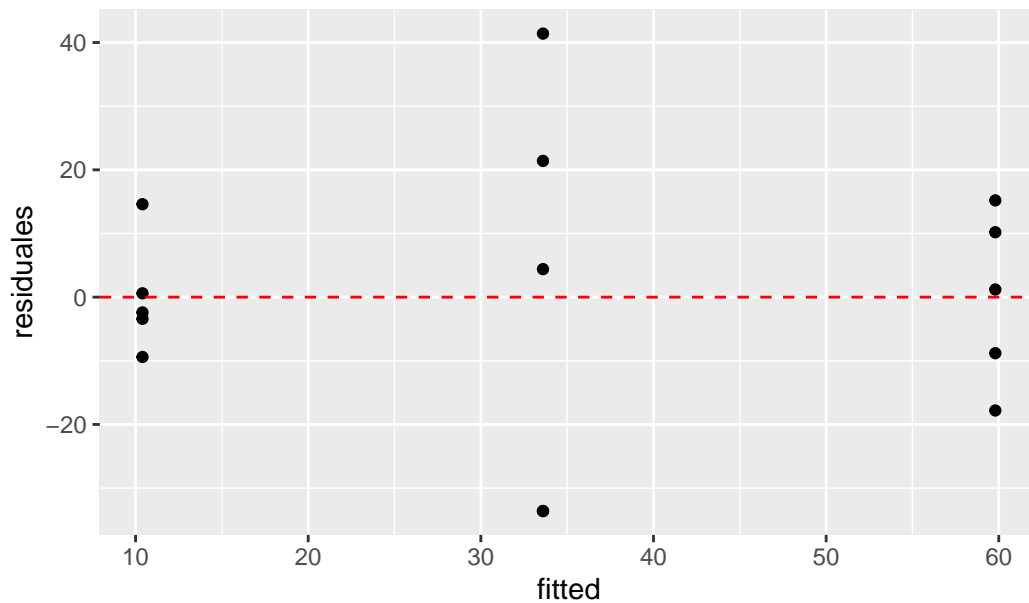
Gráfico de residuos vs valores ajustados


```
[1] "####################################################################"
[1] "                                    "
[1] "                                    "
[1] "RollLarge"
[1] "                                    "
[1] "                                    "
[1] "####################################################################"
[1] "                                    "
[1] "                                    "
[1] "Modelo test"
[[1]]
```

```
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2  257.2   128.6   1.052  0.379
Residuals     12 1466.4   122.2
```

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff   lwr   upr   p adj
Low-High   8.0 -10.65216 26.652164 0.5067078
Null-High -1.4 -20.05216 17.252164 0.9781771
Null-Low -9.4 -28.05216 9.252164 0.3989846

[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data: residuals(anova_result)
W = 0.91838, p-value = 0.182

[1] "Levene Test"
[[1]]
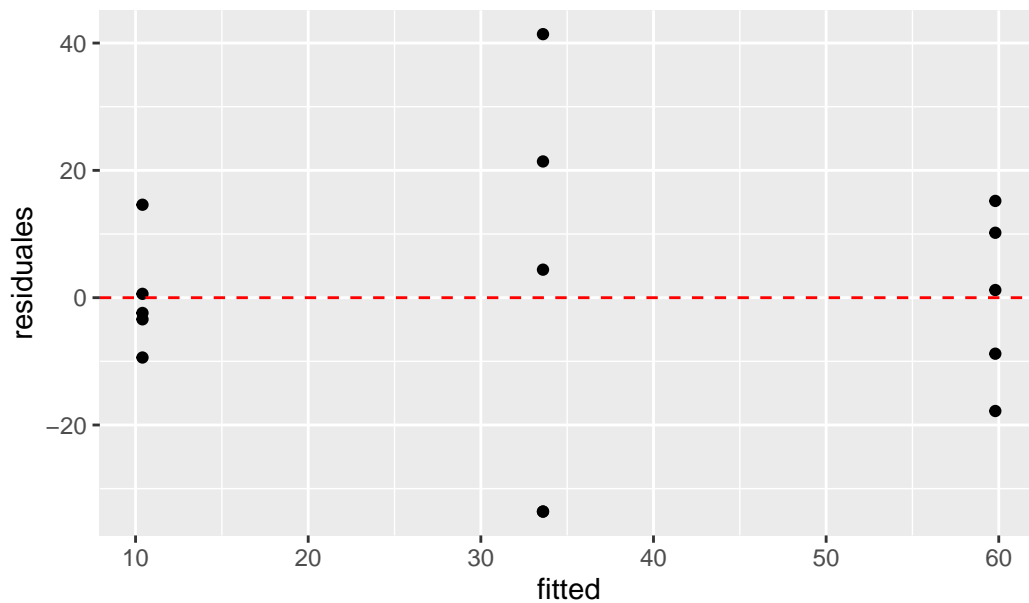Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group 2 1.4557 0.2716
      12

Gráfico de residuos vs valores ajustados


```
[1] "##########################################################################"
[1] "                                        "
[1] "                                        "
[1] "RollMedium"
[1] "                                        "
[1] "                                        "
[1] "##########################################################################"
[1] "                                        "
[1] "                                        "
[1] "Modelo test"
[[1]]
              Df Sum Sq Mean Sq F value  Pr(>F)
BurningRegime  2   4747  2373.3   7.162 0.00897 **
Residuals     12   3976   331.4
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
           diff       lwr        upr      p adj
Low-High  -15.4 -46.11482  15.314824 0.4024580
Null-High -43.0 -73.71482 -12.285176 0.0074190
Null-Low  -27.6 -58.31482   3.114824 0.0799771
```
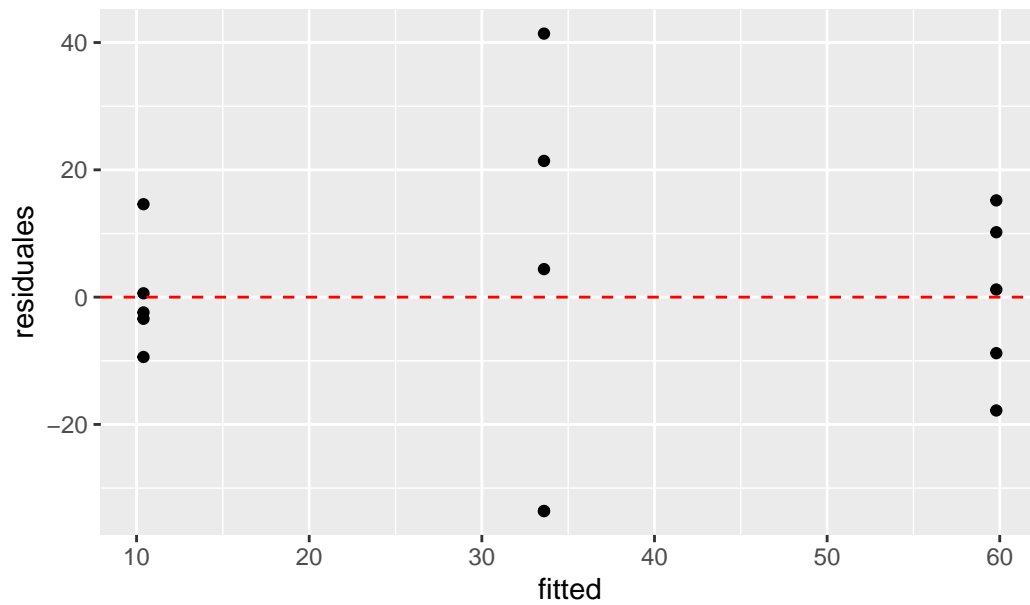
```
[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.8894, p-value = 0.06567


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value  Pr(>F)
group  2  3.3147 0.07143 .
      12
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

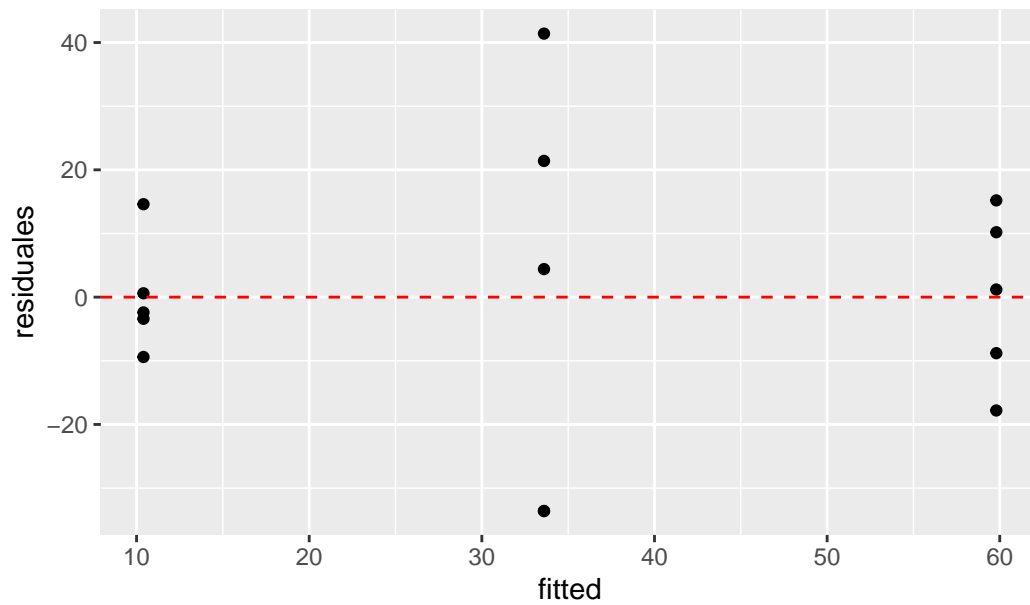## Gráfico de residuos vs valores ajustados


```
[1] "###################################################################"
[1] "                                                   "
[1] "                                                   "
[1] "RollSmall"
[1] "                                                   "
[1] "                                                   "
[1] "###################################################################"
[1] "                                                   "
```

```
[1] "                                    "
[1] "Modelo test"
[[1]]
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   6108  3054.2   6.665 0.0113 *
Residuals     12   5499   458.3
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr      upr      p adj
Low-High  23.2 -12.920417 59.32042 0.2402199
Null-High 49.4  13.279583 85.52042 0.0086549
Null-Low  26.2  -9.920417 62.32042 0.1713138


[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.96817, p-value = 0.83


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value  Pr(>F)
group  2  4.3911 0.03706 *
      12
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
[1] "                                  "
[1] "                                  "
[1] "TunnLarge"
[1] "                                  "
[1] "                                  "
[1] "#######################################################################"
[1] "                                  "
[1] "                                  "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```
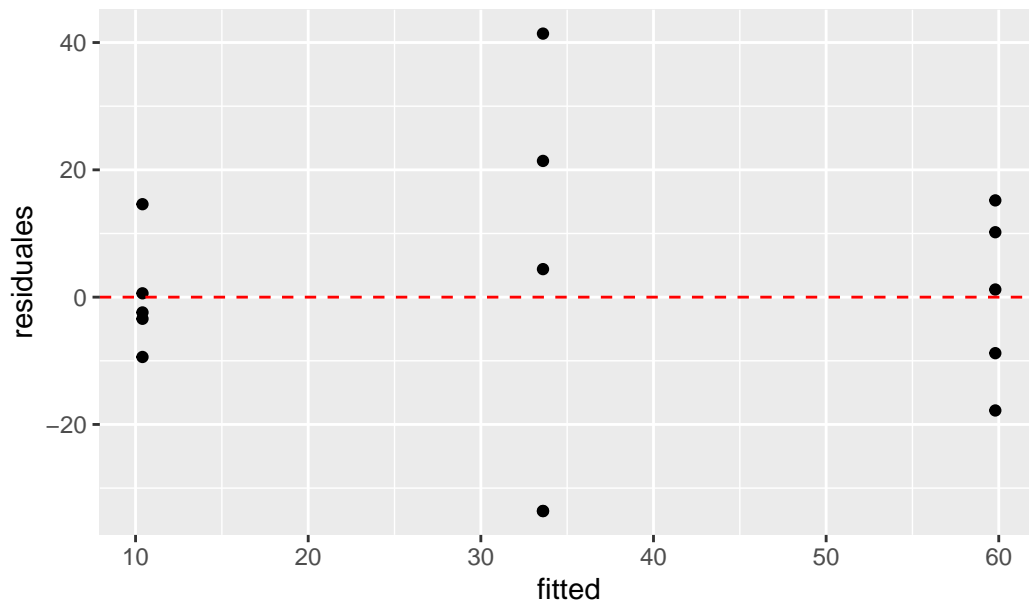
Gráfico de residuos vs valores ajustados


```
[1]  "#######################################################################"
[1]  "                                                                       "
[1]  "                                                                       "
[1]  "TunnMedium"
[1]  "                                                                       "
[1]  "                                                                       "
[1]  "#######################################################################"
[1]  "                                                                       "
[1]  "                                                                       "
[1]  "Modelo test"
[[1]]
NULL

[1]  "Post hoc Test"
[[1]]
NULL

[1]  "Shapiro Test"
[[1]]
NULL

[1]  "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "########################################################################"
[1] "                                  "
[1] "                                  "
[1] "TunnSmall"
[1] "                                  "
[1] "                                  "
[1] "########################################################################"
[1] "                                  "
[1] "                                  "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "###########################################################################"
[1] "                                                                           "
[1] "                                                                           "
[1] "FeedingStrategyC"
[1] "                                                                           "
[1] "                                                                           "
[1] "###########################################################################"
[1] "                                                                           "
[1] "                                                                           "
[1] "Modelo test"
[[1]]
             Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   4798  2398.9   4.694 0.0312 *
Residuals     12   6133   511.1
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr       upr      p adj
Low-High  -21.2 -59.34579 16.945786 0.3330243
Null-High -43.8 -81.94579 -5.654214 0.0247504
Null-Low  -22.6 -60.74579 15.545786 0.2909670
```

```
[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95941, p-value = 0.6822


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.3102 0.3057
      12
```
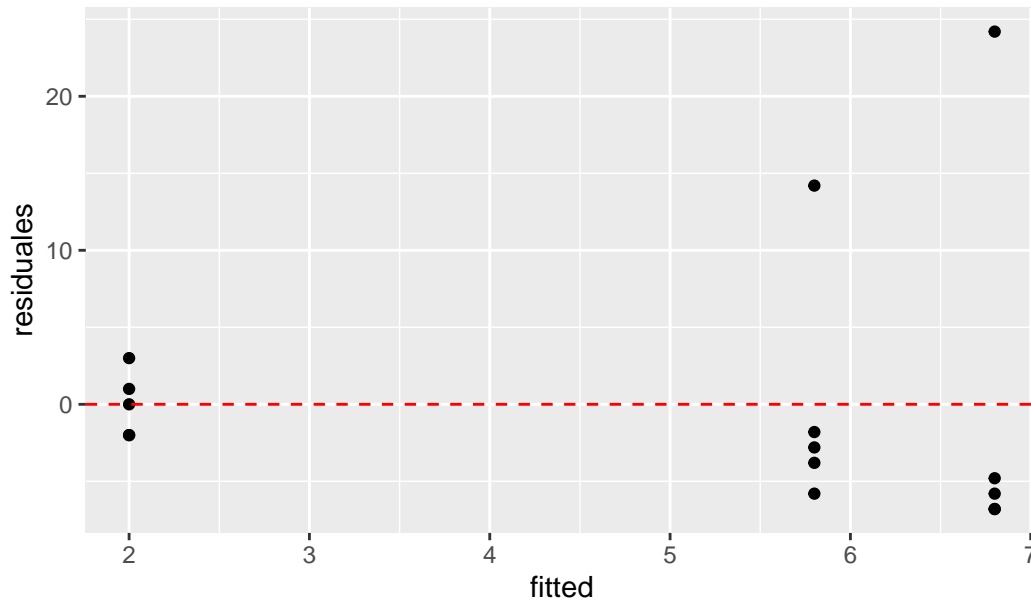
Gráfico de residuos vs valores ajustados


```
[1] "####################################################################"
[1] "                                    "
[1] "                                    "
[1] "FeedingStrategyG"
[1] "                                    "
[1] "                                    "
[1] "####################################################################"
[1] "                                    "
[1] "                                    "
[1] "Modelo test"
[[1]]
```

```
             Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   78.5   39.27   0.187  0.832
Residuals     12 2517.2  209.77
```

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff   lwr   upr   p adj
Low-High   5.6 -18.83779 30.03779 0.8167497
Null-High 2.6 -21.83779 27.03779 0.9567187
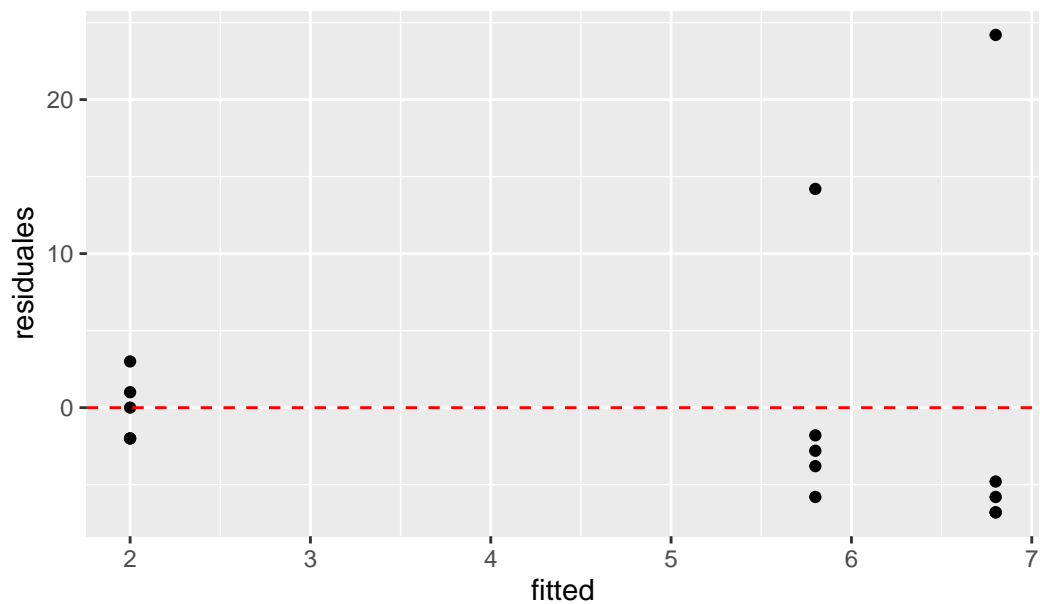Null-Low -3.0 -27.43779 21.43779 0.9428653

[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data: residuals(anova_result)
W = 0.92437, p-value = 0.2245

[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group 2 0.2655 0.7712
      12

```

## Gráfico de residuos vs valores ajustados



```
[1] "###"
[1] "   "
[1] "   "
[1] "FeedingStrategyN"
[1] "   "
[1] "   "
[1] "###"
[1] "   "
[1] "   "
[1] "Modelo test"
[[1]]
               Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime   2   4359 2179.3   5.299 0.0224 *
Residuals   12   4935   411.3

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff   lwr   upr   p adj
Low-High 16.0 -18.21806 50.21806 0.4495810
Null-High 41.4   7.18194 75.61806 0.0184222
Null-Low 25.4 -8.81806 59.61806 0.1594957
```

```
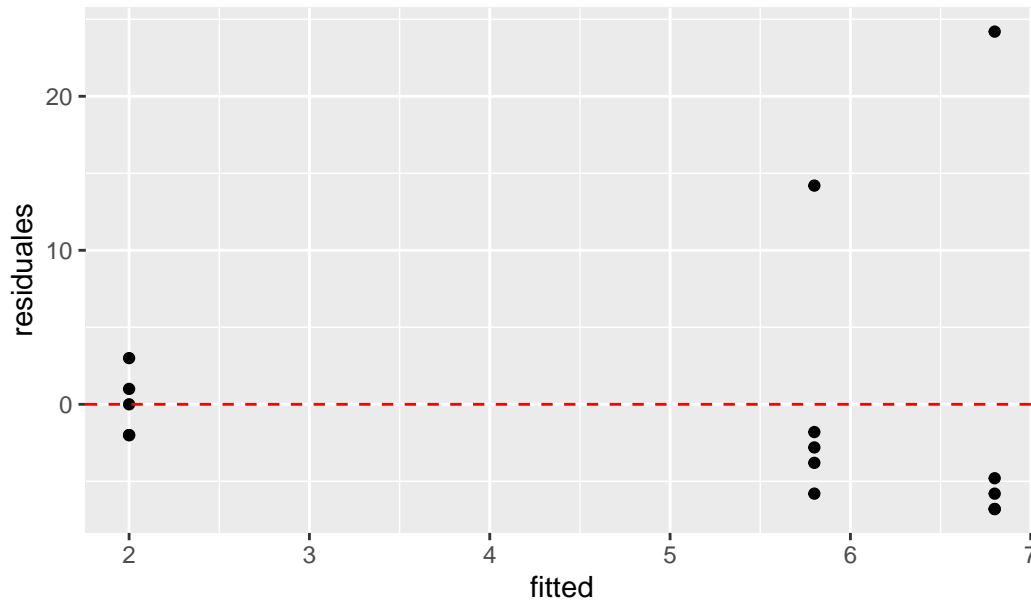[1] "Shapiro Test"
[[1]]

        Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95482, p-value = 0.6033


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
        Df F value Pr(>F)
group  2  1.9066  0.191
        12
```

Gráfico de residuos vs valores ajustados


```
[1]  "######################################################################"
[1]  "                                    "
[1]  "                                    "
[1]  "HabitatPrefenceG"
[1]  "                                    "
[1]  "                                    "
[1]  "######################################################################"
[1]  "                                    "
[1]  "                                    "
[1]  "Modelo test"
[[1]]
```

```
               Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   6459    3229   6.446 0.0126 *
Residuals     12   6012     501
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff        lwr      upr      p adj
Low-High  18.2 -19.565744 55.96574 0.4292577
Null-High 50.2  12.434256 87.96574 0.0103979
Null-Low  32.0  -5.765744 69.76574 0.1008386


[1] "Shapiro Test"
[[1]]


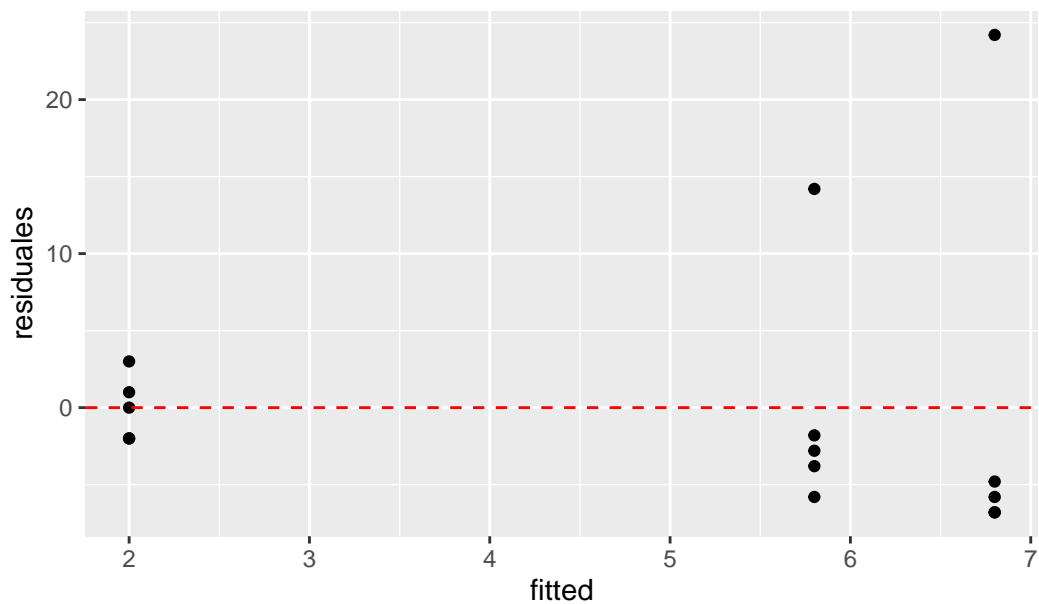    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.98615, p-value = 0.9953


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.6084 0.2405
      12
```

Gráfico de residuos vs valores ajustados

```
[1] "########################################################################"
[1] "                                   "
[1] "                                   "
[1] "HabitatPrefenceS"
[1] "                                   "
[1] "                                   "
[1] "########################################################################"
[1] "                                   "
[1] "                                   "
[1] "Modelo test"
[[1]]
             Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   6459    3229   6.446 0.0126 *
Residuals     12   6012     501
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
           diff       lwr        upr      p adj
Low-High   -18.2 -55.96574  19.565744 0.4292577
Null-High  -50.2 -87.96574 -12.434256 0.0103979
Null-Low   -32.0 -69.76574   5.765744 0.1008386
```

```
[1] "Shapiro Test"
[[1]]

        Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.98615, p-value = 0.9953


[1] "Levene Test"
[[1]]
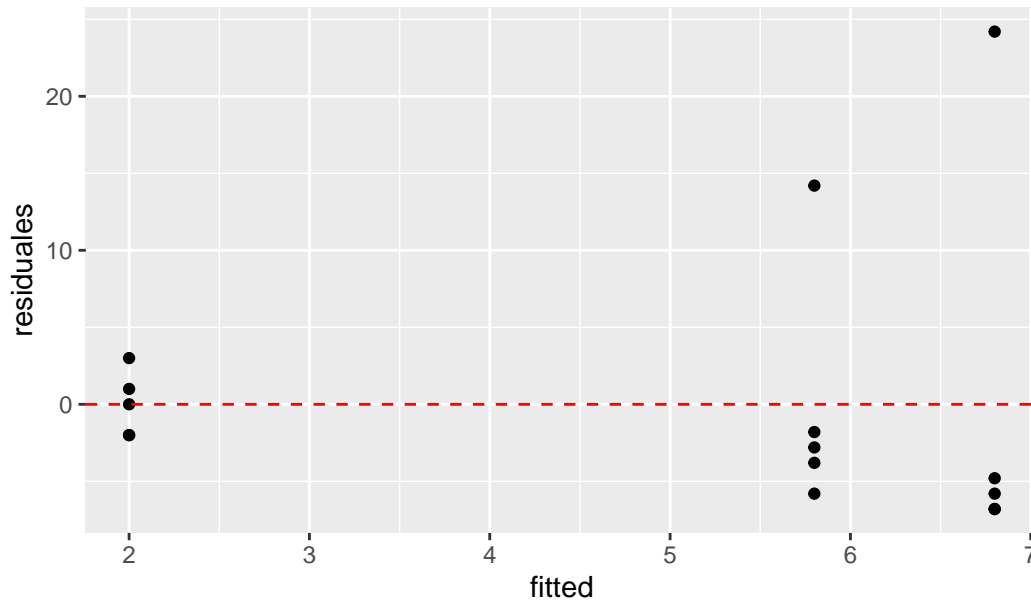Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.6084 0.2405
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "####################################################################"
[1] "                                                                  "
[1] "                                                                  "
[1] "RollLarge"
[1] "                                                                  "
[1] "                                                                  "
[1] "####################################################################"
[1] "                                                                  "
[1] "                                                                  "
[1] "Modelo test"
[[1]]
```

```
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   257.2   128.6   1.052  0.379
Residuals     12  1466.4   122.2
```

[1] "Post hoc Test"
[[1]]
```
  Tukey multiple comparisons of means
    95% family-wise confidence level
```

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
```
          diff       lwr       upr      p adj
Low-High   8.0 -10.65216 26.652164 0.5067078
Null-High -1.4 -20.05216 17.252164 0.9781771
Null-Low  -9.4 -28.05216  9.252164 0.3989846
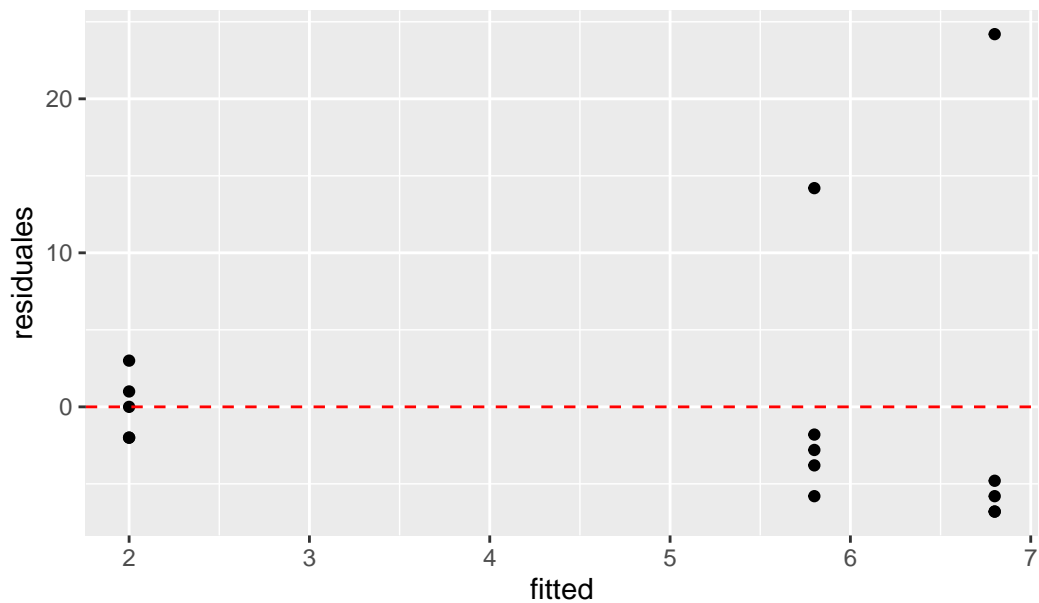```

[1] "Shapiro Test"
[[1]]

```
    Shapiro-Wilk normality test
```

data: residuals(anova_result)
W = 0.91838, p-value = 0.182

[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
```
      Df F value Pr(>F)
group  2  1.4557 0.2716
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "##########################################################################"
[1] "                                                 "
[1] "                                                 "
[1] "RollMedium"
[1] "                                                 "
[1] "                                                 "
[1] "##########################################################################"
[1] "                                                 "
[1] "                                                 "
[1] "Modelo test"
[[1]]
                Df Sum Sq Mean Sq F value  Pr(>F)
BurningRegime    2   4747  2373.3   7.162 0.00897 **
Residuals       12   3976   331.4
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
            diff       lwr        upr      p adj
Low-High   -15.4 -46.11482  15.314824 0.4024580
Null-High  -43.0 -73.71482 -12.285176 0.0074190
Null-Low   -27.6 -58.31482   3.114824 0.0799771
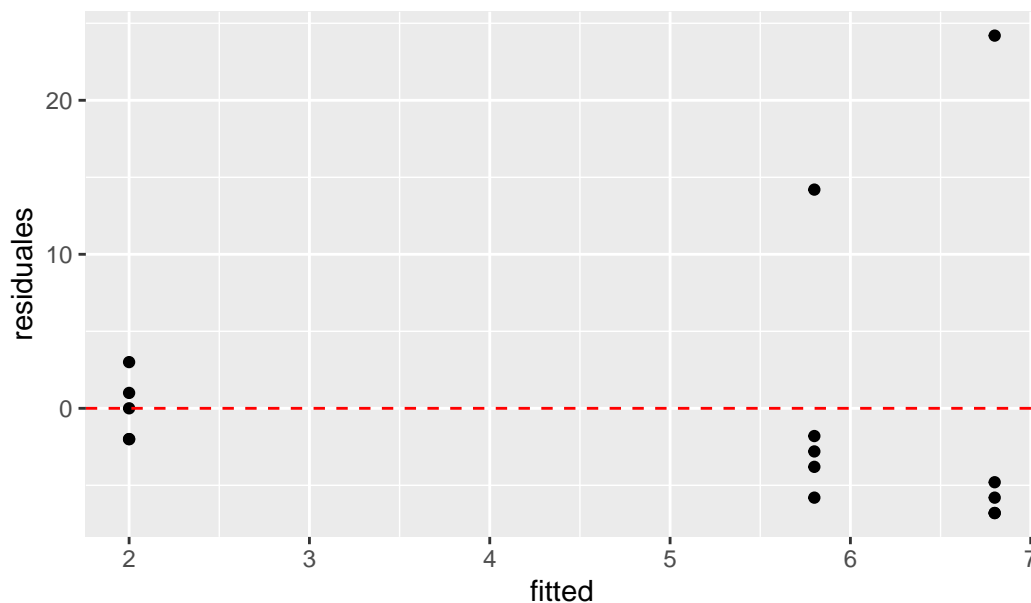```

```
[1] "Shapiro Test"
[[1]]

        Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.8894, p-value = 0.06567


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value  Pr(>F)
group  2  3.3147 0.07143 .
      12
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

Gráfico de residuos vs valores ajustados


```
[1] "######################################################################"
[1] "                                                                      "
[1] "                                                                      "
[1] "RollSmall"
[1] "                                                                      "
[1] "                                                                      "
[1] "######################################################################"
[1] "                                                                      "
```

```
[1] "                                 "
[1] "Modelo test"
[[1]]
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   6108  3054.2   6.665 0.0113 *
Residuals     12   5499   458.3
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1


[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff        lwr      upr      p adj
Low-High  23.2 -12.920417 59.32042 0.2402199
Null-High 49.4  13.279583 85.52042 0.0086549
Null-Low  26.2  -9.920417 62.32042 0.1713138


[1] "Shapiro Test"
[[1]]


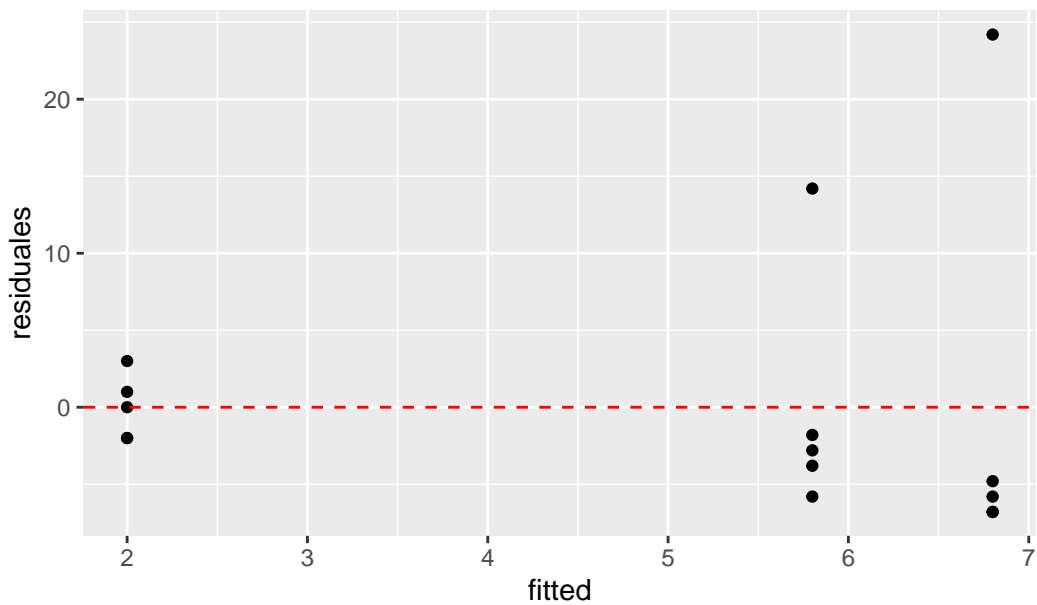    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.96817, p-value = 0.83


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value  Pr(>F)
group  2  4.3911 0.03706 *
      12
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

Gráfico de residuos vs valores ajustados


```
[1] "#########################################################################"
[1] "                                                  "
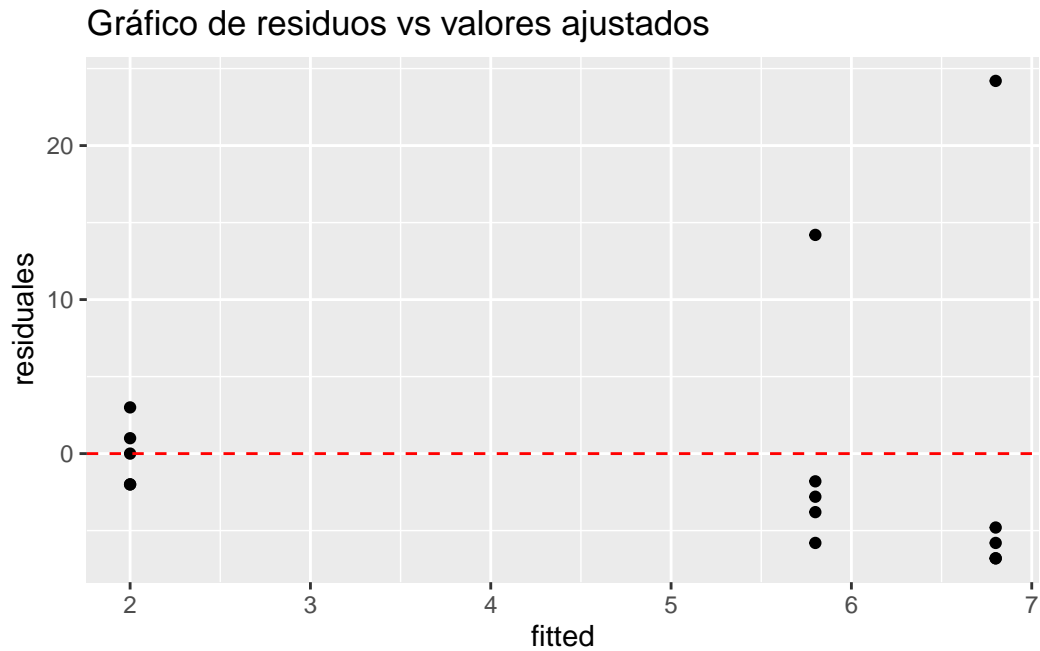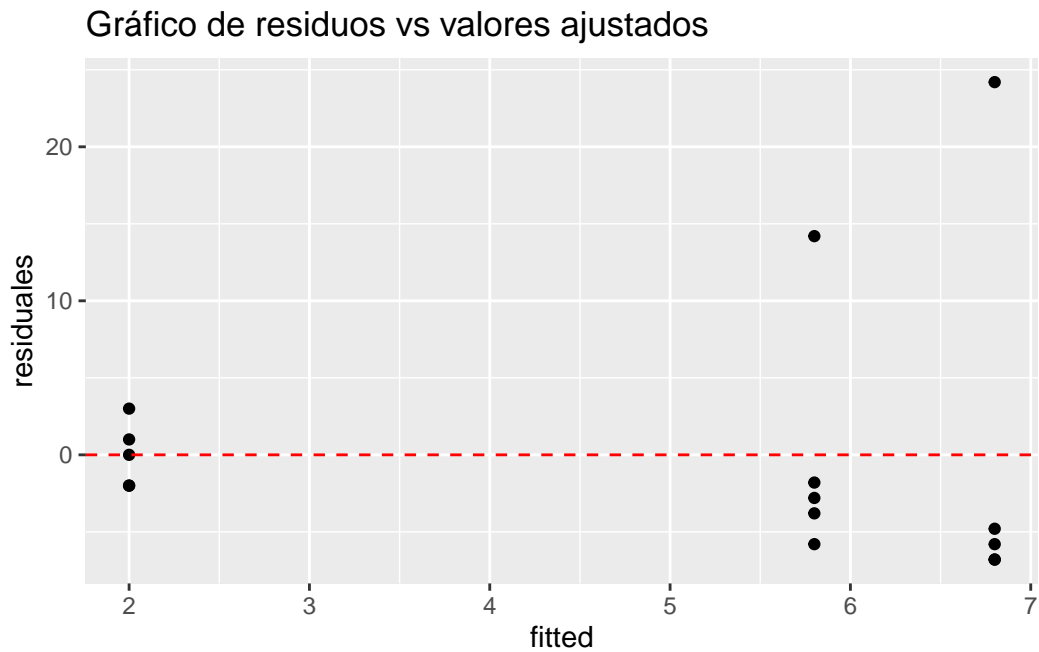[1] "                                                  "
[1] "TunnLarge"
[1] "                                                  "
[1] "                                                  "
[1] "#########################################################################"
[1] "                                                  "
[1] "                                                  "
[1] "Modelo test"
[[1]]
             Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   64.1   32.07    0.38  0.692
Residuals     12 1013.6   84.47

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
         diff      lwr     upr     p adj
Low-High  -4.8 -20.3073 10.7073 0.6948201
Null-High -1.0 -16.5073 14.5073 0.9838374
Null-Low   3.8 -11.7073 19.3073 0.7938239
```

```
[1] "Shapiro Test"
[[1]]

     Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.73224, p-value = 0.000562


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  0.4217 0.6653
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "######################################################################"
[1] "                                    "
[1] "                                    "
[1] "TunnMedium"
[1] "                                    "
[1] "                                    "
[1] "######################################################################"
[1] "                                    "
[1] "                                    "
[1] "Modelo test"
[[1]]
NULL
```

```
[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "####################################################################"
[1] "                                    "
[1] "                                    "
[1] "TunnSmall"
[1] "                                    "
[1] "                                    "
[1] "####################################################################"
[1] "                                    "
[1] "                                    "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL
```

```
[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "###################################################################"
[1] "                                    "
[1] "                                    "
[1] "FeedingStrategyC"
[1] "                                    "
[1] "                                    "
[1] "###################################################################"
[1] "                                    "
[1] "                                    "
[1] "Modelo test"
[[1]]
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   4798  2398.9   4.694 0.0312 *
Residuals     12   6133   511.1
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level
```

```
Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
            diff       lwr       upr      p adj
Low-High   -21.2 -59.34579 16.945786 0.3330243
Null-High  -43.8 -81.94579 -5.654214 0.0247504
Null-Low   -22.6 -60.74579 15.545786 0.2909670
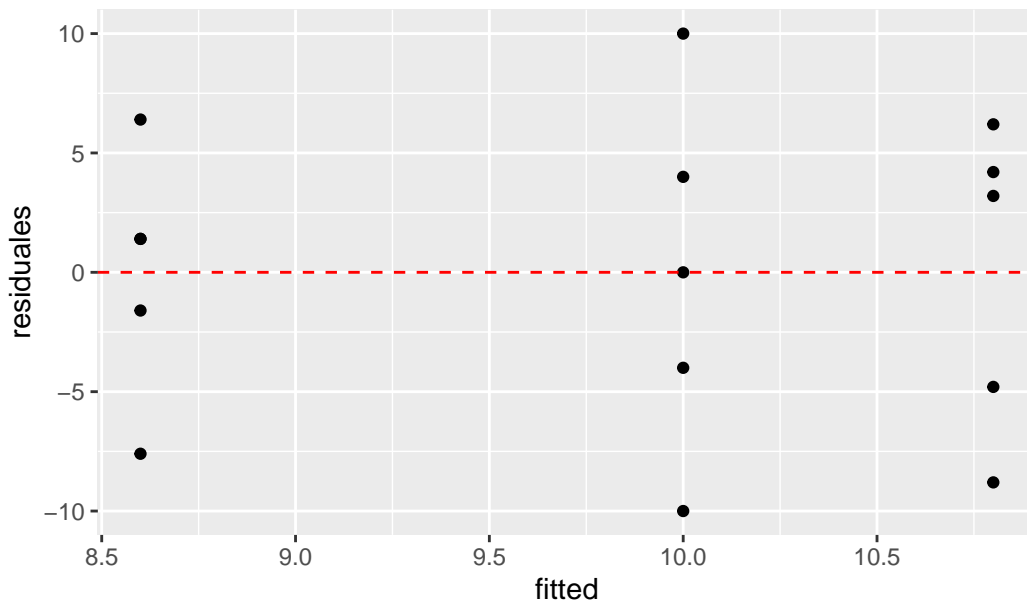

[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95941, p-value = 0.6822


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.3102 0.3057
      12
```

Gráfico de residuos vs valores ajustados


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

```
[1] "FeedingStrategyG"
[1] "                                   "
[1] "                                   "
[1] "############################################################"
[1] "                                   "
[1] "                                   "
[1] "Modelo test"
[[1]]
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   78.5   39.27   0.187  0.832
Residuals     12 2517.2  209.77

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr      upr      p adj
Low-High   5.6 -18.83779 30.03779 0.8167497
Null-High  2.6 -21.83779 27.03779 0.9567187
Null-Low  -3.0 -27.43779 21.43779 0.9428653


[1] "Shapiro Test"
[[1]]
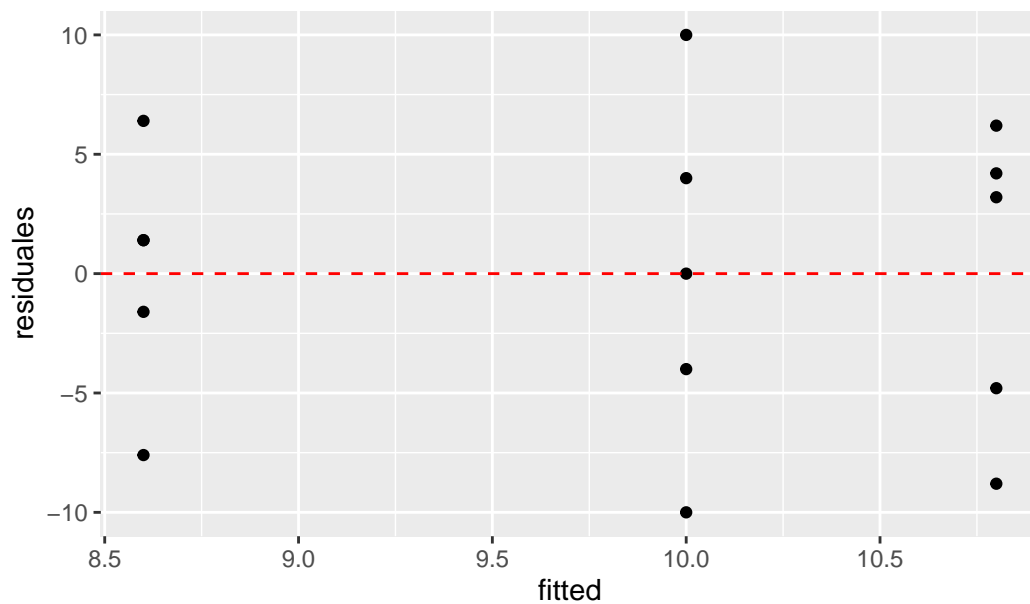
    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.92437, p-value = 0.2245


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  0.2655 0.7712
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "############################################################"
[1] "                                    "
[1] "                                    "
[1] "FeedingStrategyN"
[1] "                                    "
[1] "                                    "
[1] "############################################################"
[1] "                                    "
[1] "                                    "
[1] "Modelo test"
[[1]]
            Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   4359  2179.3   5.299 0.0224 *
Residuals     12   4935   411.3
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)


$BurningRegime
          diff       lwr      upr       p adj
Low-High   16.0 -18.21806 50.21806 0.4495810
Null-High  41.4   7.18194 75.61806 0.0184222
Null-Low   25.4  -8.81806 59.61806 0.1594957
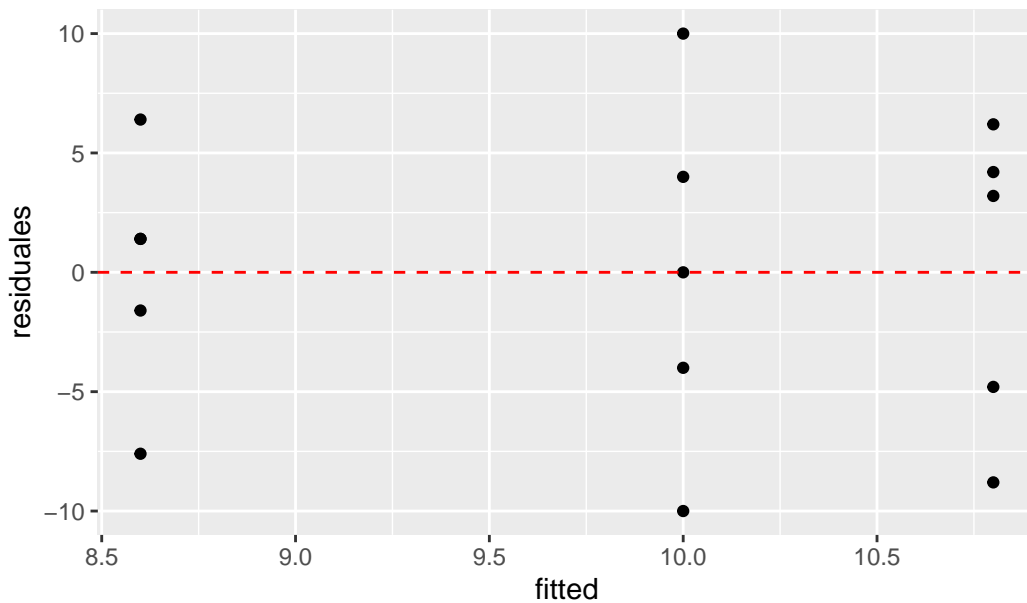```

```
[1] "Shapiro Test"
[[1]]

	Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95482, p-value = 0.6033


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.9066  0.191
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "####################################################################"
[1] "                                 "
[1] "                                 "
[1] "HabitatPrefenceG"
[1] "                                 "
[1] "                                 "
[1] "####################################################################"
[1] "                                 "
[1] "                                 "
[1] "Modelo test"
[[1]]
```

```
               Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime   2   6459    3229   6.446 0.0126 *
Residuals      12   6012     501
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff        lwr      upr      p adj
Low-High  18.2 -19.565744 55.96574 0.4292577
Null-High 50.2  12.434256 87.96574 0.0103979
Null-Low  32.0  -5.765744 69.76574 0.1008386


[1] "Shapiro Test"
[[1]]


    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.98615, p-value = 0.9953


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.6084 0.2405
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "######################################################################"
[1] "                                                                      "
[1] "                                                                      "
[1] "HabitatPrefenceS"
[1] "                                                                      "
[1] "                                                                      "
[1] "######################################################################"
[1] "                                                                      "
[1] "                                                                      "
[1] "Modelo test"
[[1]]
             Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   6459    3229   6.446 0.0126 *
Residuals     12   6012     501
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
           diff       lwr        upr       p adj
Low-High  -18.2 -55.96574  19.565744 0.4292577
Null-High -50.2 -87.96574 -12.434256 0.0103979
Null-Low  -32.0 -69.76574   5.765744 0.1008386
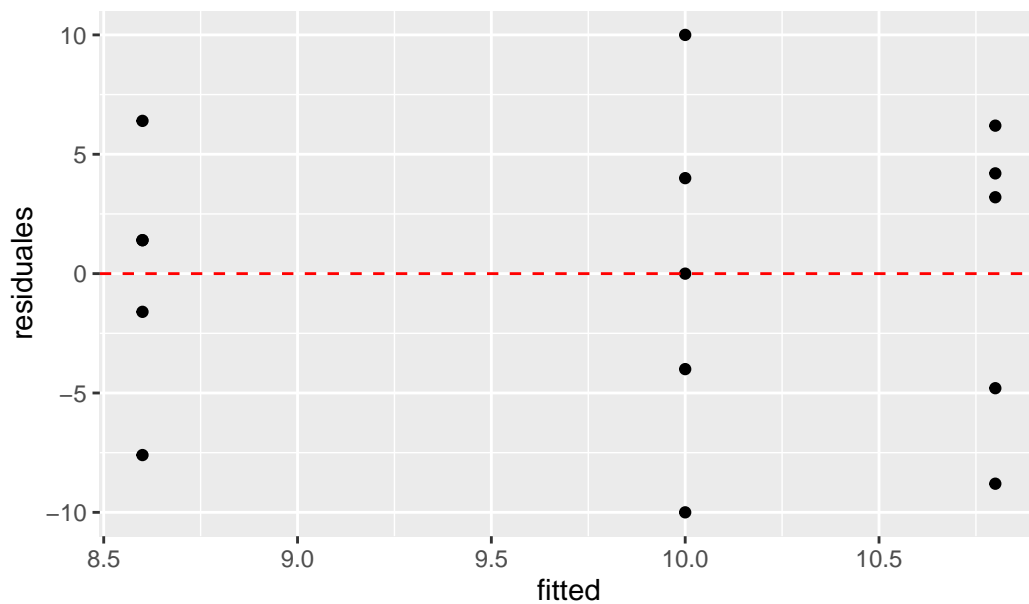```

```
[1] "Shapiro Test"
[[1]]


    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.98615, p-value = 0.9953


[1] "Levene Test"
[[1]]
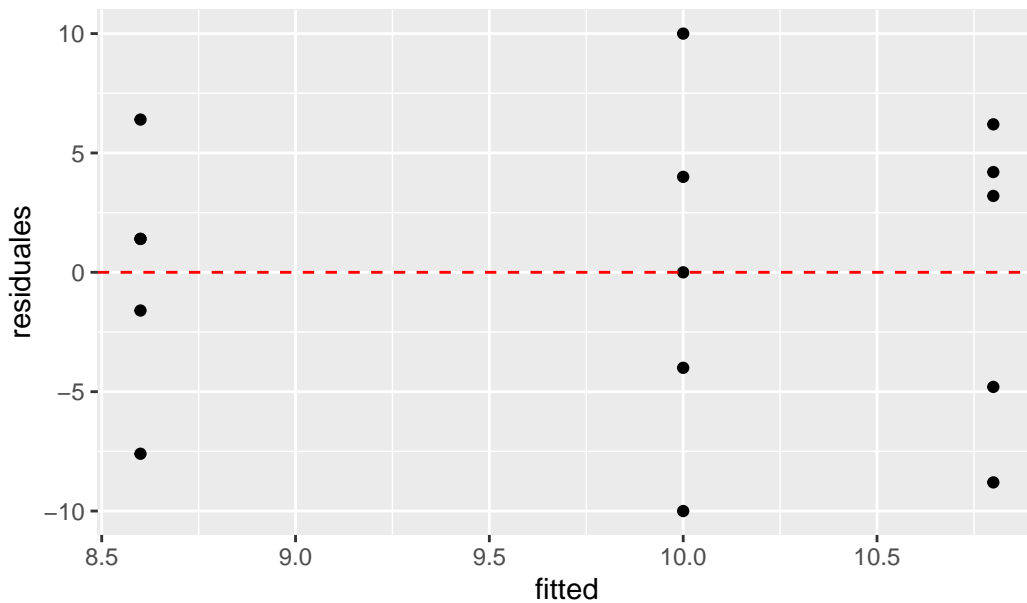Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.6084 0.2405
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "####################################################################"
[1] "                                                                  "
[1] "                                                                  "
[1] "RollLarge"
[1] "                                                                  "
[1] "                                                                  "
[1] "####################################################################"
[1] "                                                                  "
[1] "                                                                  "
[1] "Modelo test"
[[1]]
```

```
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2  257.2   128.6   1.052  0.379
Residuals     12 1466.4   122.2
```

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
```
          diff       lwr       upr     p adj
Low-High   8.0 -10.65216 26.652164 0.5067078
Null-High -1.4 -20.05216 17.252164 0.9781771
Null-Low  -9.4 -28.05216  9.252164 0.3989846
```

[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data: residuals(anova_result)
W = 0.91838, p-value = 0.182

[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
```
      Df F value Pr(>F)
group  2  1.4557 0.2716
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
[1] "                                                                       "
[1] "                                                                       "
[1] "RollMedium"
[1] "                                                                       "
[1] "                                                                       "
[1] "#######################################################################"
[1] "                                                                       "
[1] "                                                                       "
[1] "Modelo test"
[[1]]
              Df Sum Sq Mean Sq F value  Pr(>F)
BurningRegime  2   4747  2373.3   7.162 0.00897 **
Residuals     12   3976   331.4
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
           diff       lwr        upr     p adj
Low-High  -15.4 -46.11482  15.314824 0.4024580
Null-High -43.0 -73.71482 -12.285176 0.0074190
Null-Low  -27.6 -58.31482   3.114824 0.0799771
```

```
[1] "Shapiro Test"
[[1]]

	Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.8894, p-value = 0.06567


[1] "Levene Test"
[[1]]
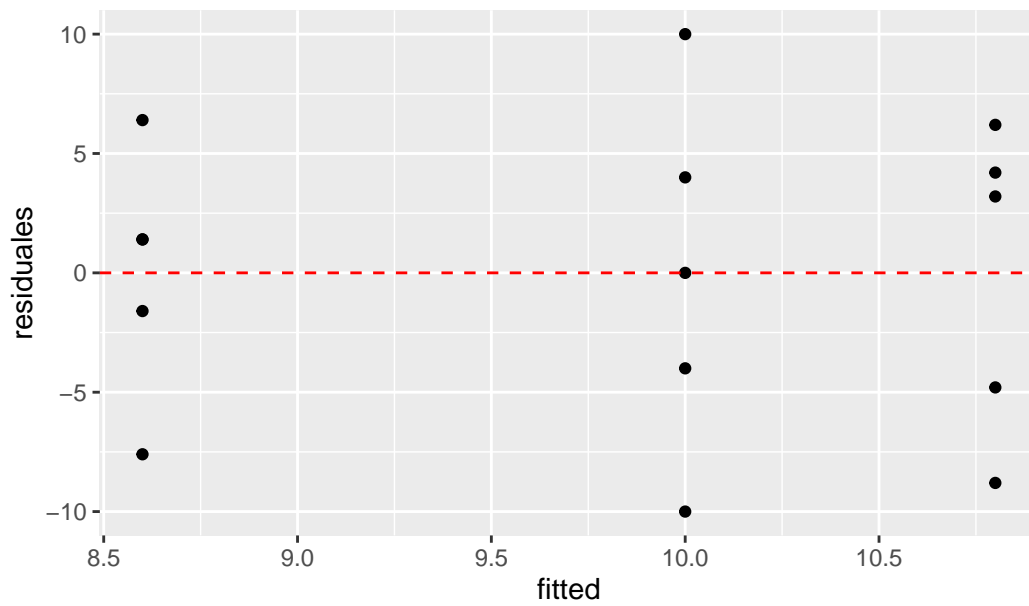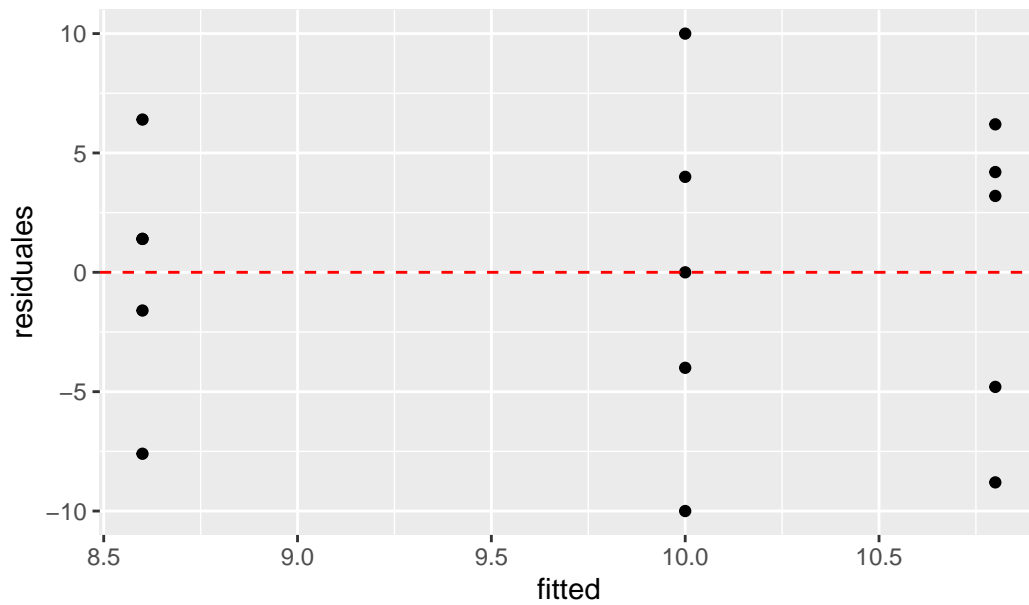Levene's Test for Homogeneity of Variance (center = median)
      Df F value  Pr(>F)
group  2  3.3147 0.07143 .
      12
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

Gráfico de residuos vs valores ajustados


```
[1] "#####################################################################"
[1] "                                                 "
[1] "                                                 "
[1] "RollSmall"
[1] "                                                 "
[1] "                                                 "
[1] "#####################################################################"
[1] "                                                 "
```

```
[1] "                                    "
[1] "Modelo test"
[[1]]
            Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   6108  3054.2   6.665 0.0113 *
Residuals     12   5499   458.3
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1


[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff        lwr      upr      p adj
Low-High  23.2 -12.920417 59.32042 0.2402199
Null-High 49.4  13.279583 85.52042 0.0086549
Null-Low  26.2  -9.920417 62.32042 0.1713138


[1] "Shapiro Test"
[[1]]


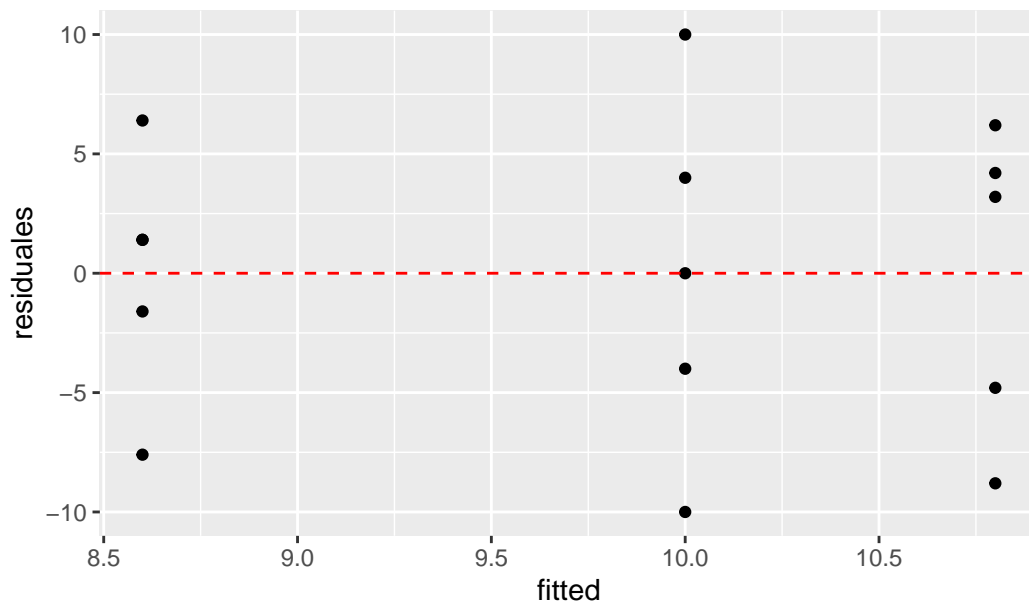    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.96817, p-value = 0.83


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value  Pr(>F)
group  2  4.3911 0.03706 *
      12
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

Gráfico de residuos vs valores ajustados


```
[1] "#########################################################################"
[1] "                                        "
[1] "                                        "
[1] "TunnLarge"
[1] "                                        "
[1] "                                        "
[1] "#########################################################################"
[1] "                                        "
[1] "                                        "
[1] "Modelo test"
[[1]]
               Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime   2   64.1   32.07    0.38  0.692
Residuals      12 1013.6   84.47

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff      lwr     upr     p adj
Low-High  -4.8 -20.3073 10.7073 0.6948201
Null-High -1.0 -16.5073 14.5073 0.9838374
Null-Low   3.8 -11.7073 19.3073 0.7938239
```

```
[1] "Shapiro Test"
[[1]]

        Shapiro-Wilk normality test
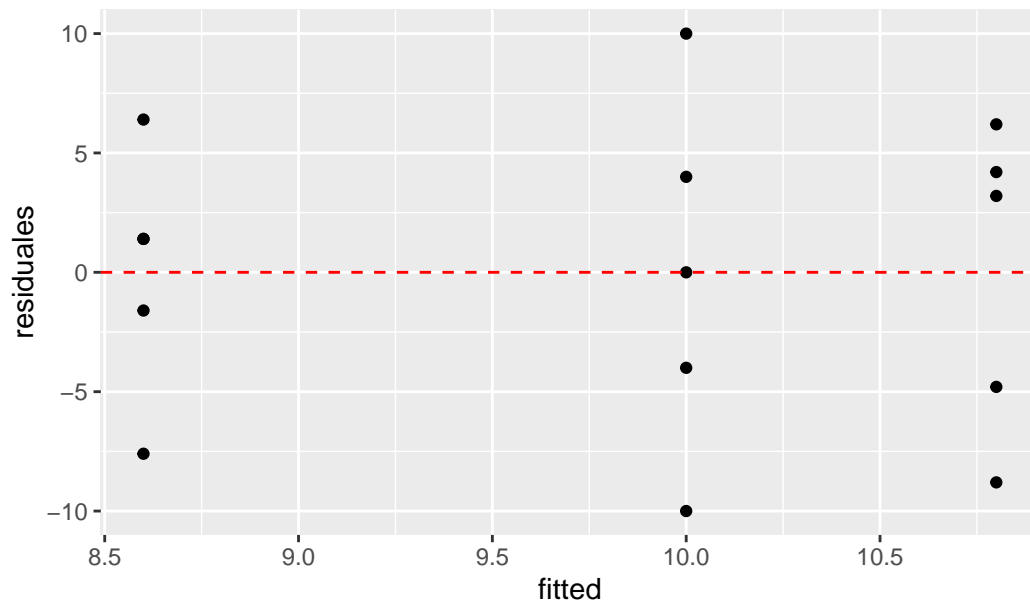
data:  residuals(anova_result)
W = 0.73224, p-value = 0.000562


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  0.4217 0.6653
      12
```

Gráfico de residuos vs valores ajustados


```
[1]  "######################################################################"
[1]  "                                    "
[1]  "                                    "
[1]  "TunnMedium"
[1]  "                                    "
[1]  "                                    "
[1]  "######################################################################"
[1]  "                                    "
[1]  "                                    "
[1]  "Modelo test"
[[1]]
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   12.4     6.2   0.148  0.864
```

```
Residuals     12  504.0    42.0

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr      upr      p adj
Low-High   2.2  -8.734987 13.13499 0.8549924
Null-High  1.4  -9.534987 12.33499 0.9380413
Null-Low  -0.8 -11.734987 10.13499 0.9792539


[1] "Shapiro Test"
[[1]]


    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.96241, p-value = 0.7342


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  0.3163 0.7347
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "#########################################################################"
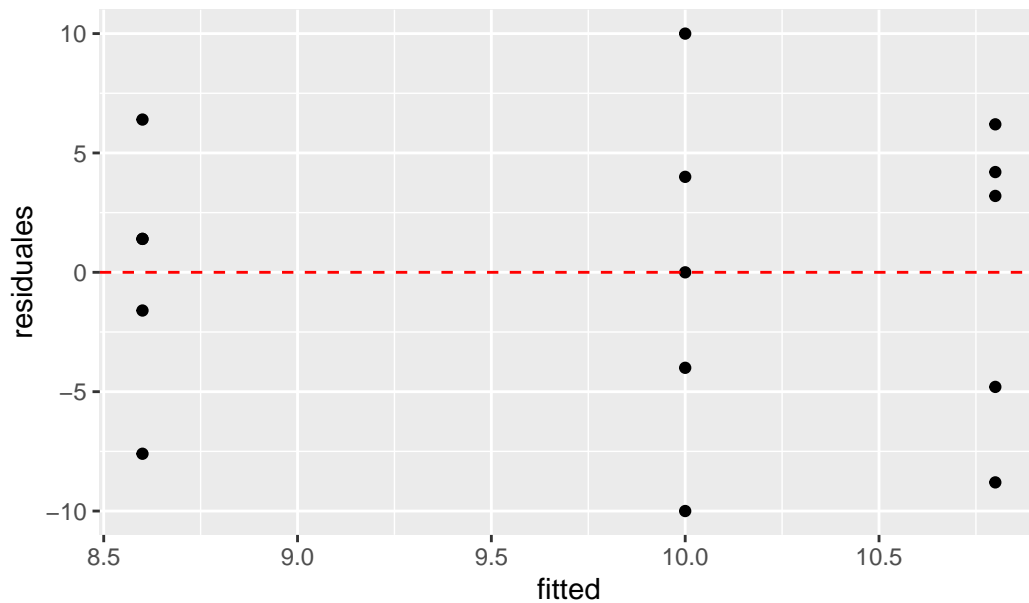[1] "                                      "
[1] "                                      "
[1] "TunnSmall"
[1] "                                      "
[1] "                                      "
[1] "#########################################################################"
[1] "                                      "
[1] "                                      "
[1] "Modelo test"
[[1]]
NULL

[1] "Post hoc Test"
[[1]]
NULL

[1] "Shapiro Test"
[[1]]
NULL

[1] "Levene Test"
[[1]]
NULL
```

Gráfico de residuos vs valores ajustados


```
[1] "##########################################################################"
[1] "                                        "
[1] "                                        "
[1] "FeedingStrategyC"
[1] "                                        "
[1] "                                        "
[1] "##########################################################################"
[1] "                                        "
[1] "                                        "
[1] "Modelo test"
[[1]]
            Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   4798  2398.9   4.694 0.0312 *
Residuals     12   6133   511.1
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)


$BurningRegime
          diff       lwr       upr      p adj
Low-High  -21.2 -59.34579 16.945786 0.3330243
Null-High -43.8 -81.94579 -5.654214 0.0247504
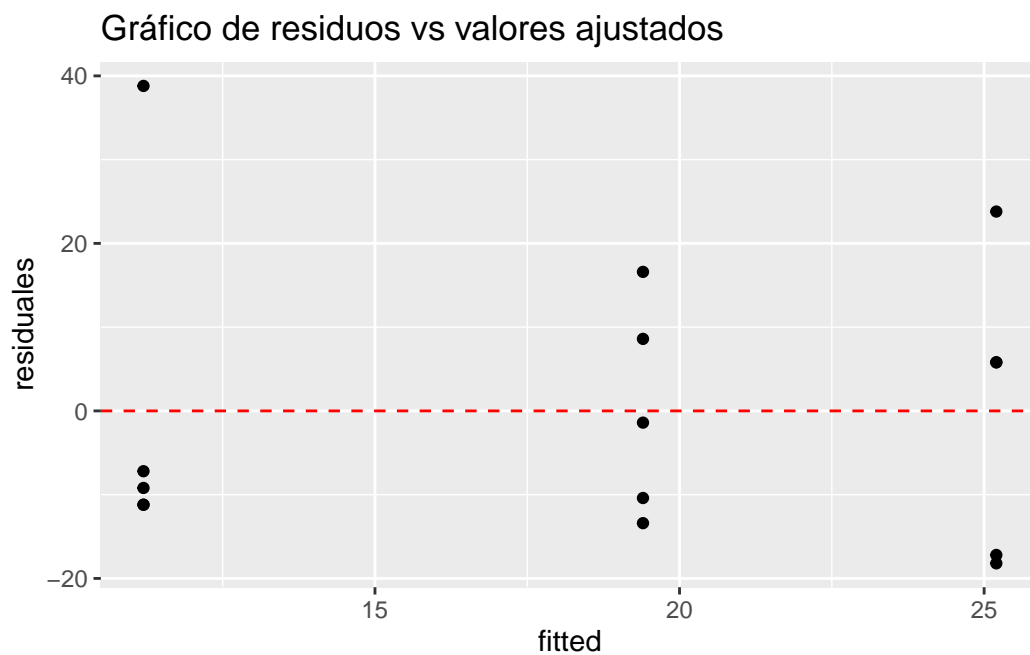Null-Low  -22.6 -60.74579 15.545786 0.2909670
```

```
[1] "Shapiro Test"
[[1]]

        Shapiro-Wilk normality test

data:  residuals(anova_result)
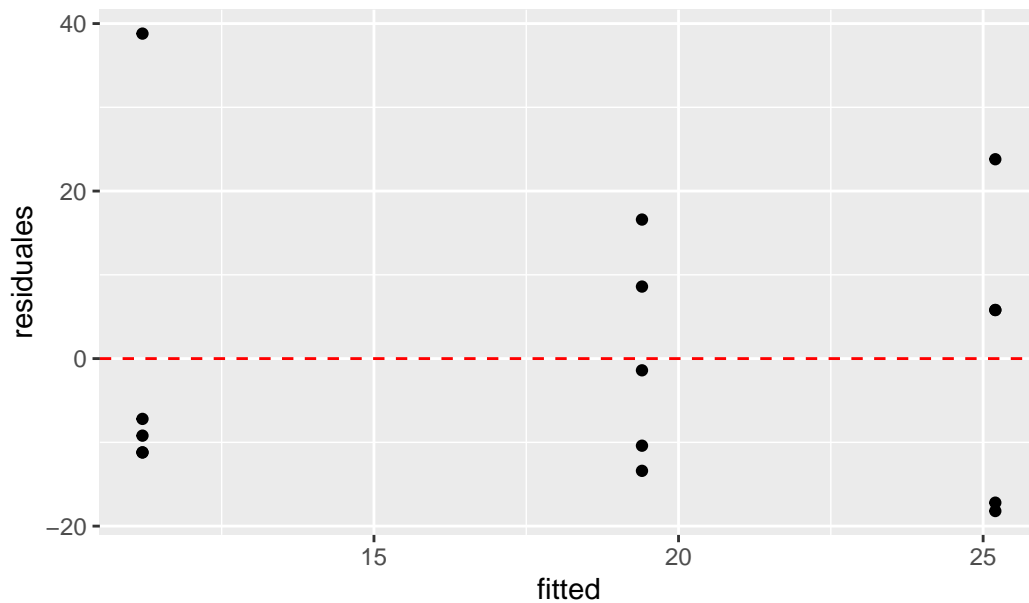W = 0.95941, p-value = 0.6822


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
        Df F value Pr(>F)
group   2  1.3102 0.3057
        12
```

Gráfico de residuos vs valores ajustados


```
[1]  "#####################################################################"
[1]  "                                                    "
[1]  "                                                    "
[1]  "FeedingStrategyG"
[1]  "                                                    "
[1]  "                                                    "
[1]  "#####################################################################"
[1]  "                                                    "
[1]  "                                                    "
[1]  "Modelo test"
[[1]]
```

```
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   78.5   39.27   0.187  0.832
Residuals     12 2517.2  209.77

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr      upr       p adj
Low-High   5.6 -18.83779 30.03779 0.8167497
Null-High  2.6 -21.83779 27.03779 0.9567187
Null-Low  -3.0 -27.43779 21.43779 0.9428653


[1] "Shapiro Test"
[[1]]


    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.92437, p-value = 0.2245


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  0.2655 0.7712
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "#########################################################################"
[1] "                                        "
[1] "                                        "
[1] "FeedingStrategyN"
[1] "                                        "
[1] "                                        "
[1] "#########################################################################"
[1] "                                        "
[1] "                                        "
[1] "Modelo test"
[[1]]
            Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   4359  2179.3   5.299 0.0224 *
Residuals     12   4935   411.3
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr      upr      p adj
Low-High  16.0 -18.21806 50.21806 0.4495810
Null-High 41.4   7.18194 75.61806 0.0184222
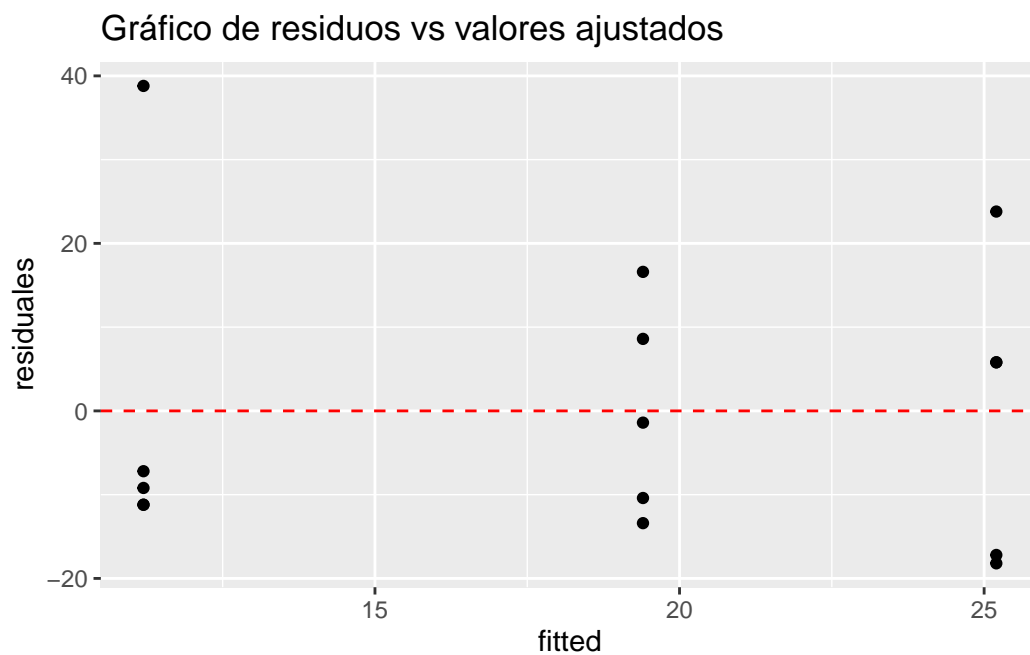Null-Low  25.4  -8.81806 59.61806 0.1594957
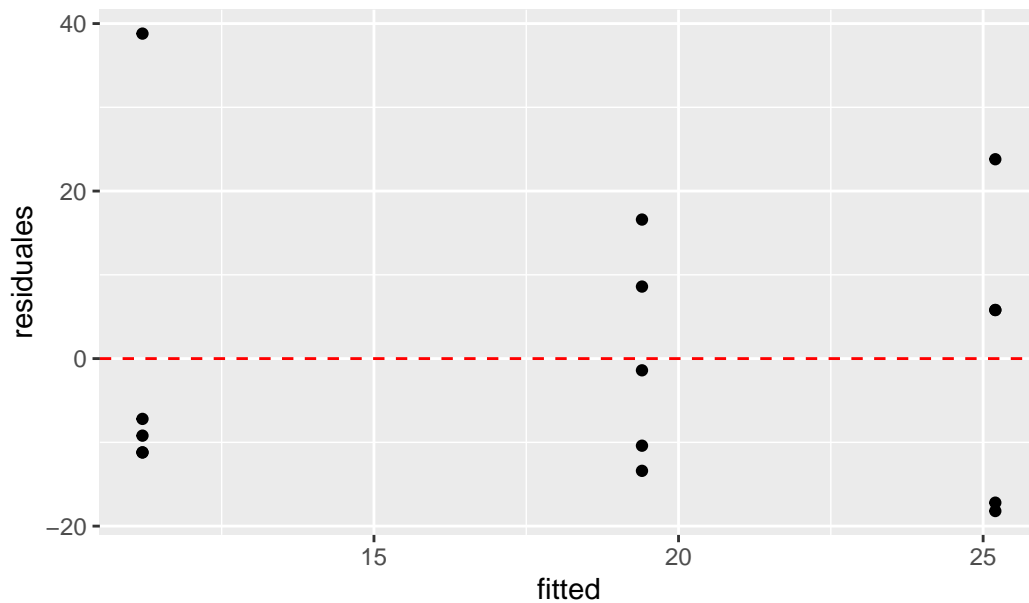```

```
[1] "Shapiro Test"
[[1]]

        Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.95482, p-value = 0.6033


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.9066  0.191
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "#####################################################################"
[1] "                                  "
[1] "                                  "
[1] "HabitatPrefenceG"
[1] "                                  "
[1] "                                  "
[1] "#####################################################################"
[1] "                                  "
[1] "                                  "
[1] "Modelo test"
[[1]]
```

```
               Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime   2   6459    3229   6.446 0.0126 *
Residuals      12   6012     501
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff        lwr      upr      p adj
Low-High  18.2 -19.565744 55.96574 0.4292577
Null-High 50.2  12.434256 87.96574 0.0103979
Null-Low  32.0  -5.765744 69.76574 0.1008386


[1] "Shapiro Test"
[[1]]


    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.98615, p-value = 0.9953


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.6084 0.2405
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "#########################################################################"
[1] "                                    "
[1] "                                    "
[1] "HabitatPrefenceS"
[1] "                                    "
[1] "                                    "
[1] "#########################################################################"
[1] "                                    "
[1] "                                    "
[1] "Modelo test"
[[1]]
               Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2    6459    3229   6.446 0.0126 *
Residuals     12    6012     501
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
           diff       lwr         upr       p adj
Low-High   -18.2 -55.96574   19.565744 0.4292577
Null-High  -50.2 -87.96574  -12.434256 0.0103979
Null-Low   -32.0 -69.76574    5.765744 0.1008386
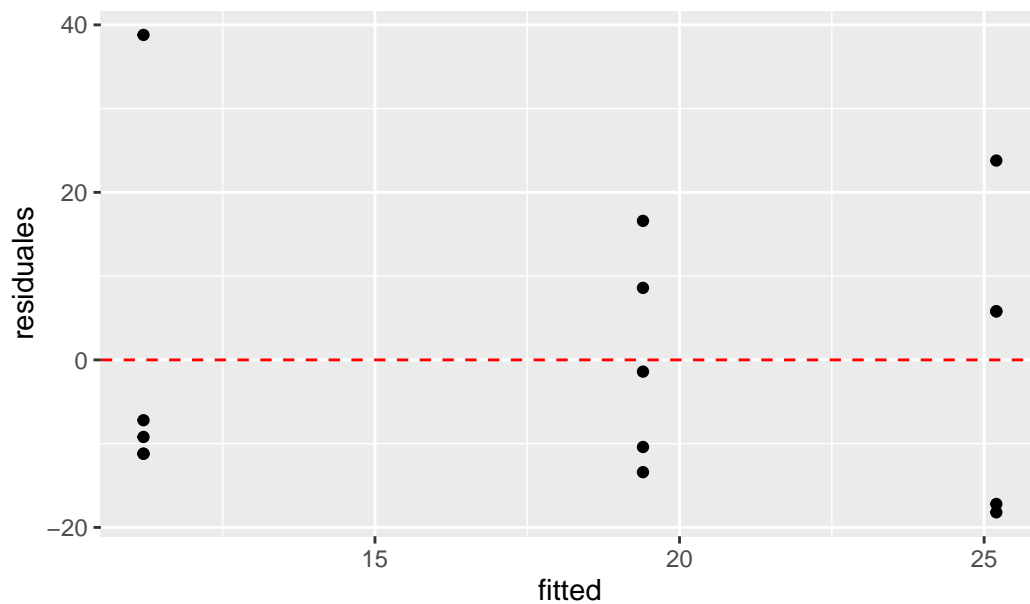```

```
[1] "Shapiro Test"
[[1]]

        Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.98615, p-value = 0.9953


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  1.6084 0.2405
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "##################################################################"
[1] "                                                "
[1] "                                                "
[1] "RollLarge"
[1] "                                                "
[1] "                                                "
[1] "##################################################################"
[1] "                                                "
[1] "                                                "
[1] "Modelo test"
[[1]]
```

```
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2  257.2   128.6   1.052  0.379
Residuals     12 1466.4   122.2
```

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff   lwr   upr   p adj
Low-High   8.0 -10.65216 26.652164 0.5067078
Null-High -1.4 -20.05216 17.252164 0.9781771
Null-Low -9.4 -28.05216 9.252164 0.3989846

[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data: residuals(anova_result)
W = 0.91838, p-value = 0.182

[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group 2 1.4557 0.2716
      12

Gráfico de residuos vs valores ajustados


```
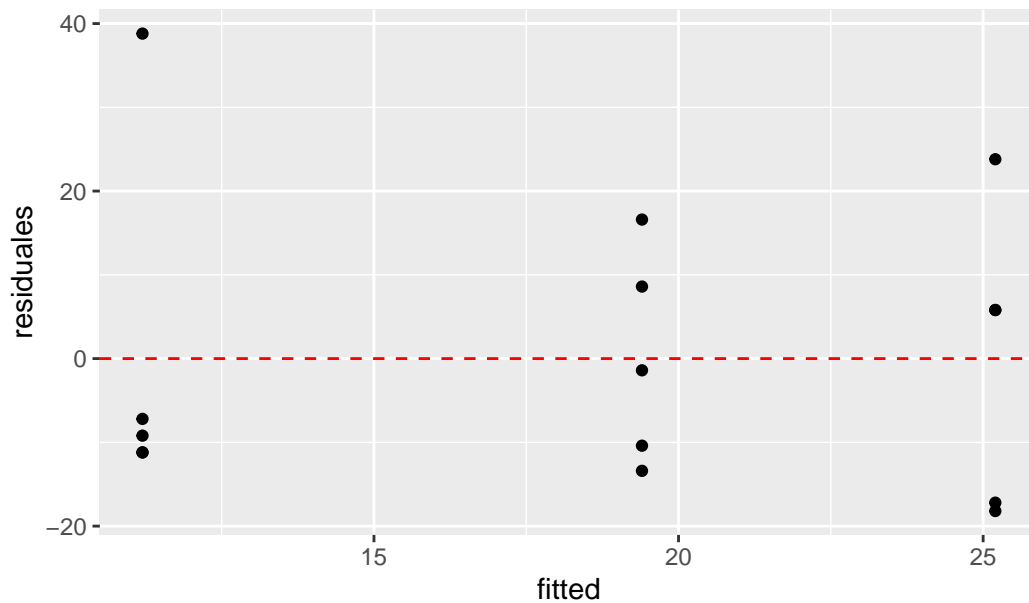[1] "#########################################################################"
[1] "                                                                         "
[1] "                                                                         "
[1] "RollMedium"
[1] "                                                                         "
[1] "                                                                         "
[1] "#########################################################################"
[1] "                                                                         "
[1] "                                                                         "
[1] "Modelo test"
[[1]]
               Df Sum Sq Mean Sq F value  Pr(>F)
BurningRegime   2   4747  2373.3   7.162 0.00897 **
Residuals      12   3976   331.4
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)


$BurningRegime
           diff       lwr        upr      p adj
Low-High  -15.4 -46.11482  15.314824 0.4024580
Null-High -43.0 -73.71482 -12.285176 0.0074190
Null-Low  -27.6 -58.31482   3.114824 0.0799771
```

```
[1] "Shapiro Test"
[[1]]

        Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.8894, p-value = 0.06567


[1] "Levene Test"
[[1]]
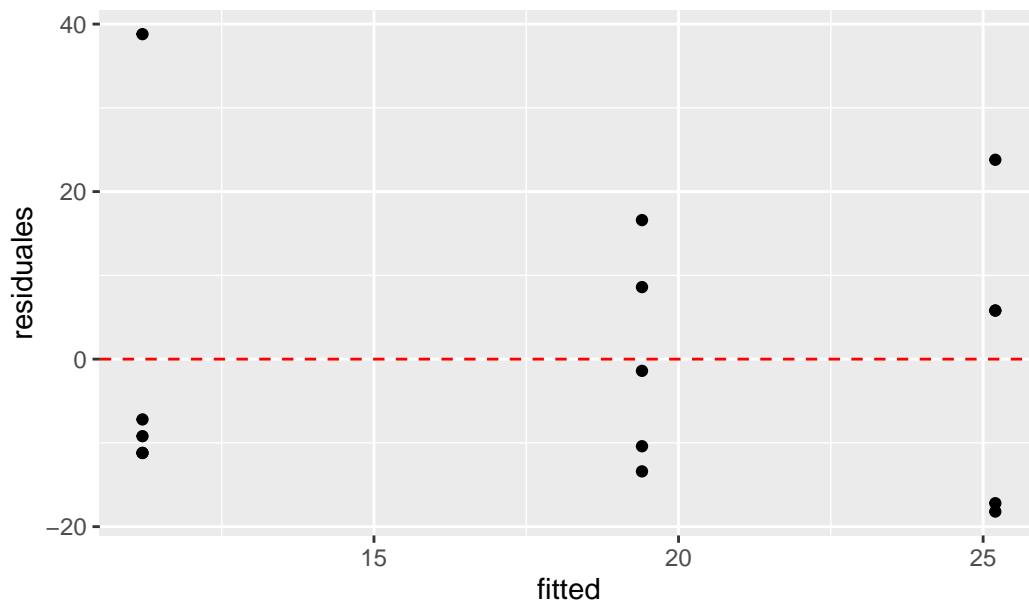Levene's Test for Homogeneity of Variance (center = median)
      Df F value  Pr(>F)
group  2  3.3147 0.07143 .
       12
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

Gráfico de residuos vs valores ajustados


```
[1] "###################################################################"
[1] "                                                                   "
[1] "                                                                   "
[1] "RollSmall"
[1] "                                                                   "
[1] "                                                                   "
[1] "###################################################################"
[1] "                                                                   "
```

```
[1] "                                "
[1] "Modelo test"
[[1]]
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   6108  3054.2   6.665 0.0113 *
Residuals     12   5499   458.3
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1


[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff        lwr      upr      p adj
Low-High  23.2 -12.920417 59.32042 0.2402199
Null-High 49.4  13.279583 85.52042 0.0086549
Null-Low  26.2  -9.920417 62.32042 0.1713138

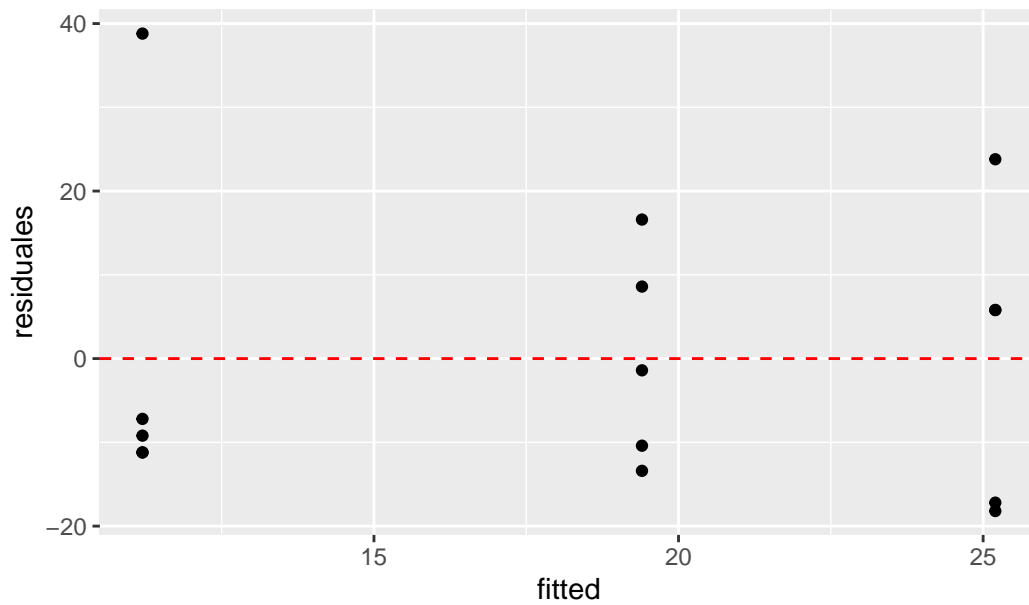
[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.96817, p-value = 0.83


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value  Pr(>F)
group  2  4.3911 0.03706 *
      12
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

Gráfico de residuos vs valores ajustados


```
[1] "#######################################################################"
[1] "                                  "
[1] "                                  "
[1] "TunnLarge"
[1] "                                  "
[1] "                                  "
[1] "#######################################################################"
[1] "                                  "
[1] "                                  "
[1] "Modelo test"
[[1]]
              Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   64.1   32.07    0.38  0.692
Residuals     12 1013.6   84.47

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff      lwr     upr     p adj
Low-High  -4.8 -20.3073 10.7073 0.6948201
Null-High -1.0 -16.5073 14.5073 0.9838374
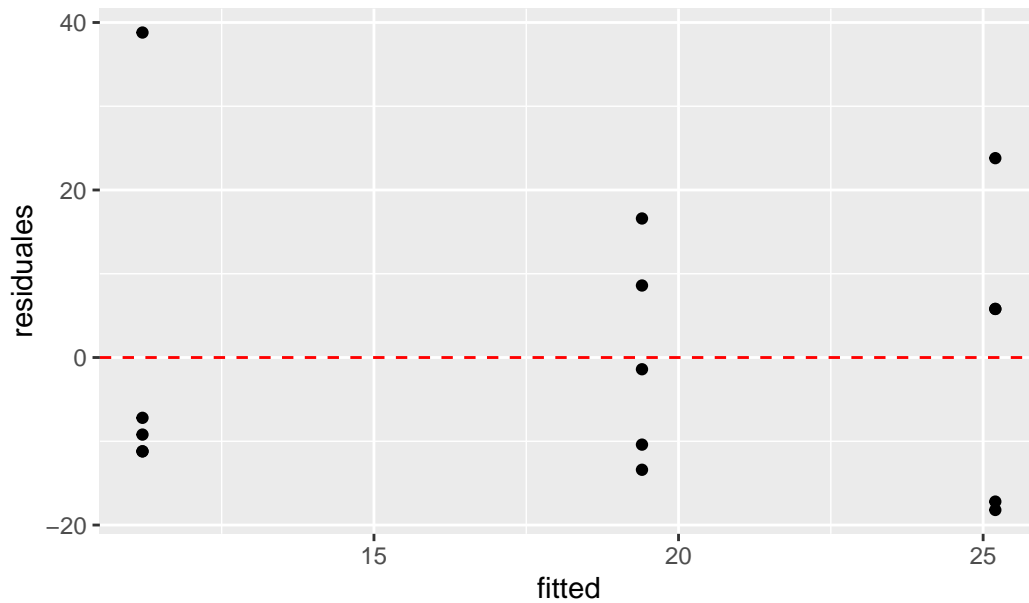Null-Low   3.8 -11.7073 19.3073 0.7938239
```

```
[1] "Shapiro Test"
[[1]]

	Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.73224, p-value = 0.000562


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  0.4217 0.6653
      12
```

Gráfico de residuos vs valores ajustados


```
[1]  "###################################################################"
[1]  "                                  "
[1]  "                                  "
[1]  "TunnMedium"
[1]  "                                  "
[1]  "                                  "
[1]  "###################################################################"
[1]  "                                  "
[1]  "                                  "
[1]  "Modelo test"
[[1]]
               Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2   12.4     6.2   0.148  0.864
```

```
Residuals      12  504.0    42.0

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr       upr      p adj
Low-High   2.2  -8.734987 13.13499 0.8549924
Null-High  1.4  -9.534987 12.33499 0.9380413
Null-Low  -0.8 -11.734987 10.13499 0.9792539


[1] "Shapiro Test"
[[1]]


    Shapiro-Wilk normality test
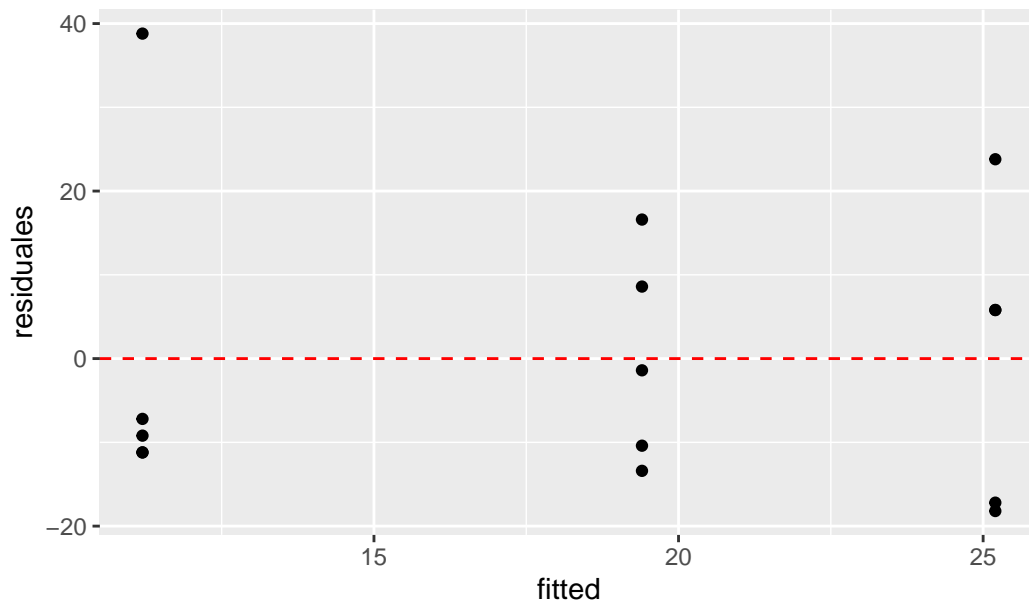
data:  residuals(anova_result)
W = 0.96241, p-value = 0.7342


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  0.3163 0.7347
      12
```

Gráfico de residuos vs valores ajustados


```
[1] "##########################################################################"
[1] "                                                "
[1] "                                                "
[1] "TunnSmall"
[1] "                                                "
[1] "                                                "
[1] "##########################################################################"
[1] "                                                "
[1] "                                                "
[1] "Modelo test"
[[1]]
             Df Sum Sq Mean Sq F value Pr(>F)
BurningRegime  2    495   247.4   0.783  0.479
Residuals     12   3793   316.1

[1] "Post hoc Test"
[[1]]
  Tukey multiple comparisons of means
    95% family-wise confidence level

Fit: aov(formula = Total ~ BurningRegime, data = dataST)

$BurningRegime
          diff       lwr      upr     p adj
Low-High  -14.0 -43.99736 15.99736 0.4508471
Null-High  -5.8 -35.79736 24.19736 0.8651578
Null-Low    8.2 -21.79736 38.19736 0.7513094
```

```
[1] "Shapiro Test"
[[1]]

    Shapiro-Wilk normality test

data:  residuals(anova_result)
W = 0.89247, p-value = 0.07309


[1] "Levene Test"
[[1]]
Levene's Test for Homogeneity of Variance (center = median)
      Df F value Pr(>F)
group  2  0.0647 0.9377
      12
```

Gráfico de residuos vs valores ajustados