

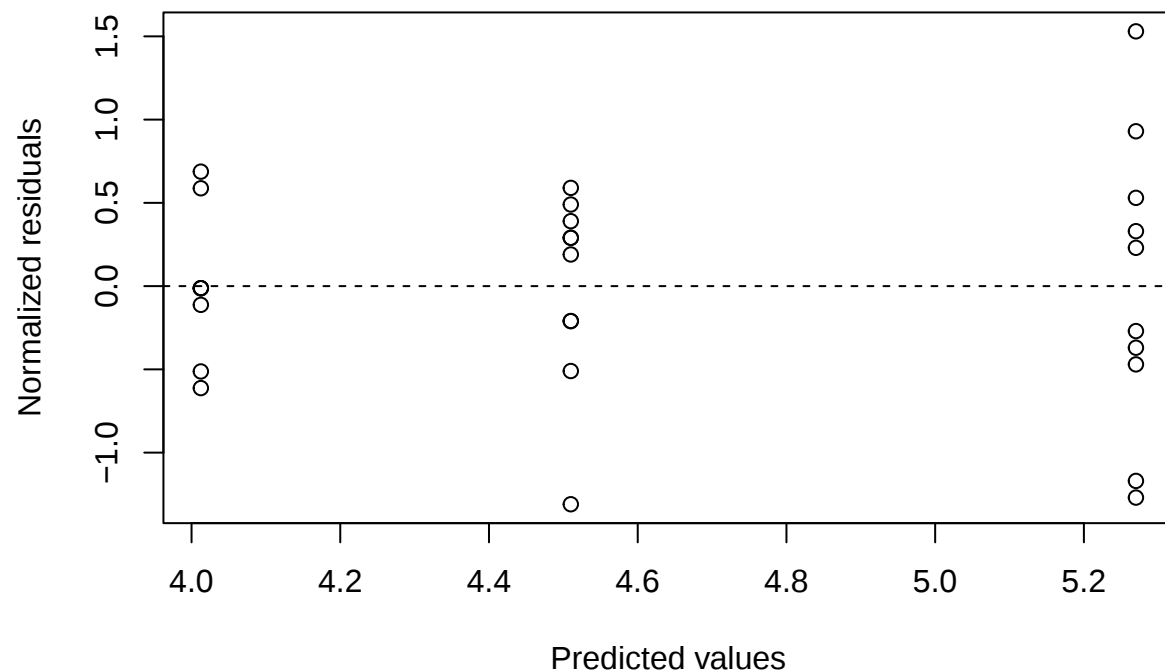
Pangasionodon hypophthalmus Poids des mères

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décembre 15, 2021,08:26

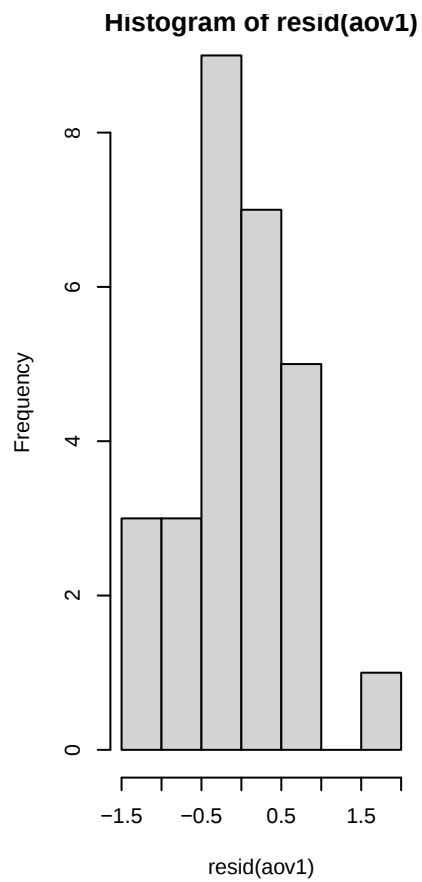
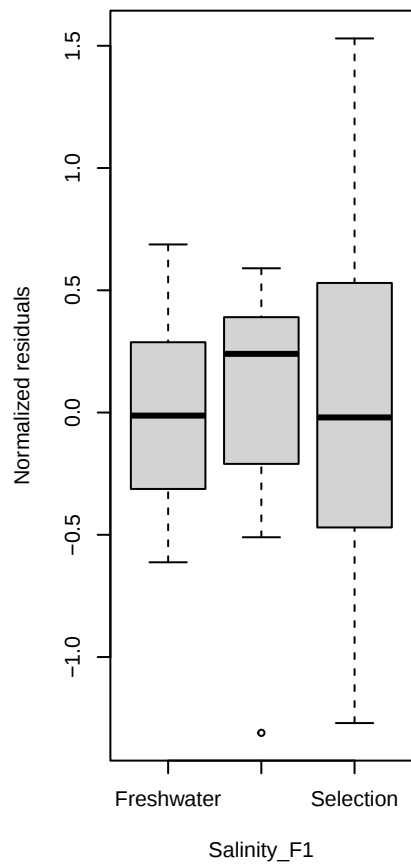
Contents

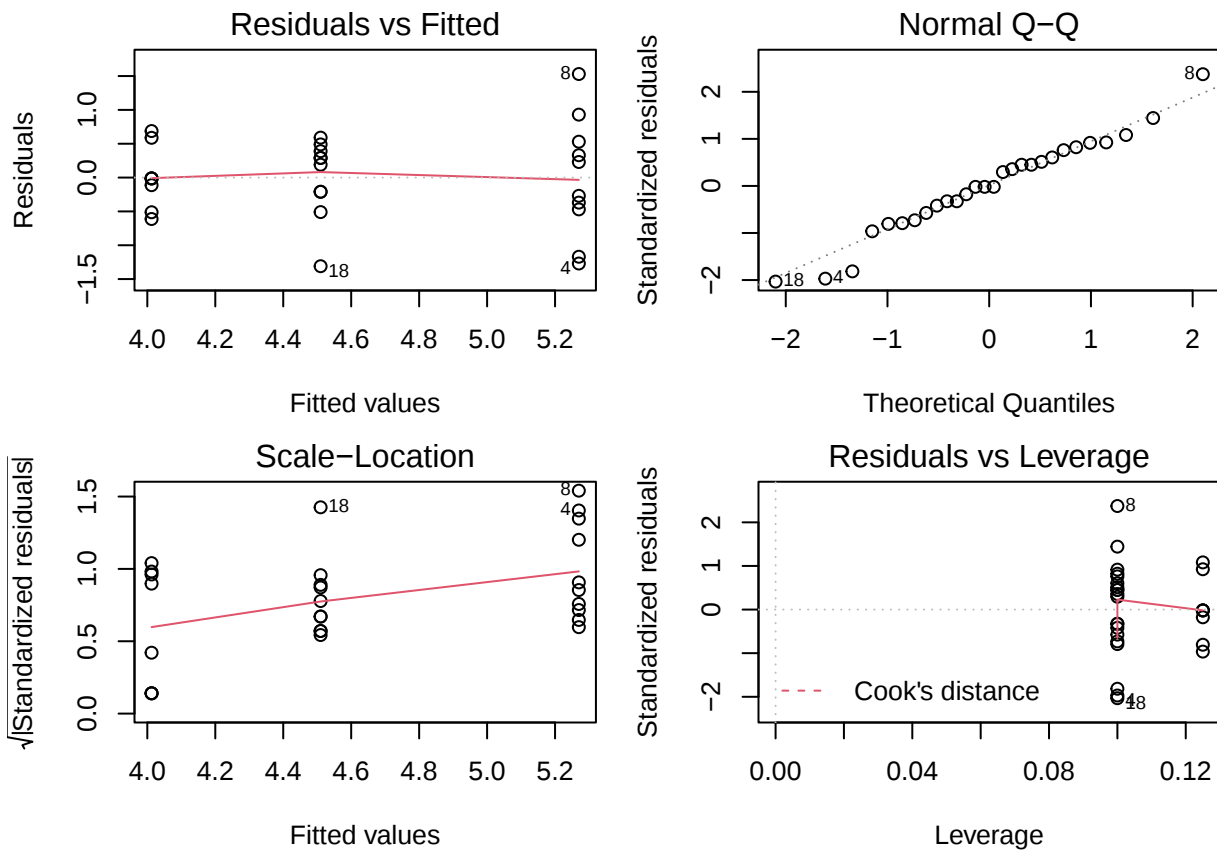
```
##
##  Shapiro-Wilk normality test
##
## data:  Mothers_Weight$Weight
## W = 0.96093, p-value = 0.3667
##
##  Bartlett test of homogeneity of variances
##
## data:  Mothers_Weight$Weight by Mothers_Weight$Groups
## Bartlett's K-squared = 3.4583, df = 2, p-value = 0.1774
## Levene's Test for Homogeneity of Variance (center = median)
##      Df F value Pr(>F)
## group  2  2.1661 0.1357
##      25
```



```
## integer(0)

## $stats
##      [,1] [,2] [,3]
## [1,] -0.6125 -0.51 -1.27
## [2,] -0.3125 -0.21 -0.47
## [3,] -0.0125  0.24 -0.02
## [4,]  0.2875  0.39  0.53
## [5,]  0.6875  0.59  1.53
##
## $n
## [1]  8 10 10
##
## $conf
##      [,1]      [,2]      [,3]
## [1,] -0.3476686 -0.05978392 -0.5196399
## [2,]  0.3226686  0.53978392  0.4796399
##
## $out
##      18
## -1.31
##
## $group
## [1] 2
##
## $names
## [1] "Freshwater" "Random"      "Selection"
```





```
## Best Normalizing transformation with 28 Observations
## Estimated Normality Statistics (Pearson P / df, lower => more normal):
## - arcsinh(x): 1.7143
## - Box-Cox: 1.4857
## - Center+scale: 1.6
## - Exp(x): 10.0571
## - Log_b(x+a): 1.7143
## - orderNorm (ORQ): 0.9143
## - sqrt(x + a): 1.1429
## - Yeo-Johnson: 1.4857
## Estimation method: Out-of-sample via leave-one-out CV
##
## Based off these, bestNormalize chose:
## orderNorm Transformation with 28 nonmissing obs and ties
## - 18 unique values
## - Original quantiles:
##   0%  25%  50%  75% 100%
## 3.2  4.0  4.7  5.0  6.8
##
## [1] TRUE
##
##           Letters
## Selection      b
## Random         a
## Freshwater     a
##
## Analysis of Variance Table
##
```

```
## Response: Mothers_Weight$Weight
##              Df Sum Sq Mean Sq F value    Pr(>F)
## Mothers_Weight$Groups  2  7.288   3.6440   7.8952 0.002199 **
## Residuals              25 11.539   0.4616
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

##              Df Sum Sq Mean Sq F value    Pr(>F)
## Mothers_Weight$Groups  2  7.288   3.644   7.895 0.0022 **
## Residuals              25 11.539   0.462
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

##              2.5 %    97.5 %
## (Intercept)      3.5178087 4.507191
## Mothers_Weight$GroupsRandom -0.1661981 1.161198
## Mothers_Weight$GroupsSelection 0.5938019 1.921198
```

