

Dataset: Iris Flower dataset

(a) setosa

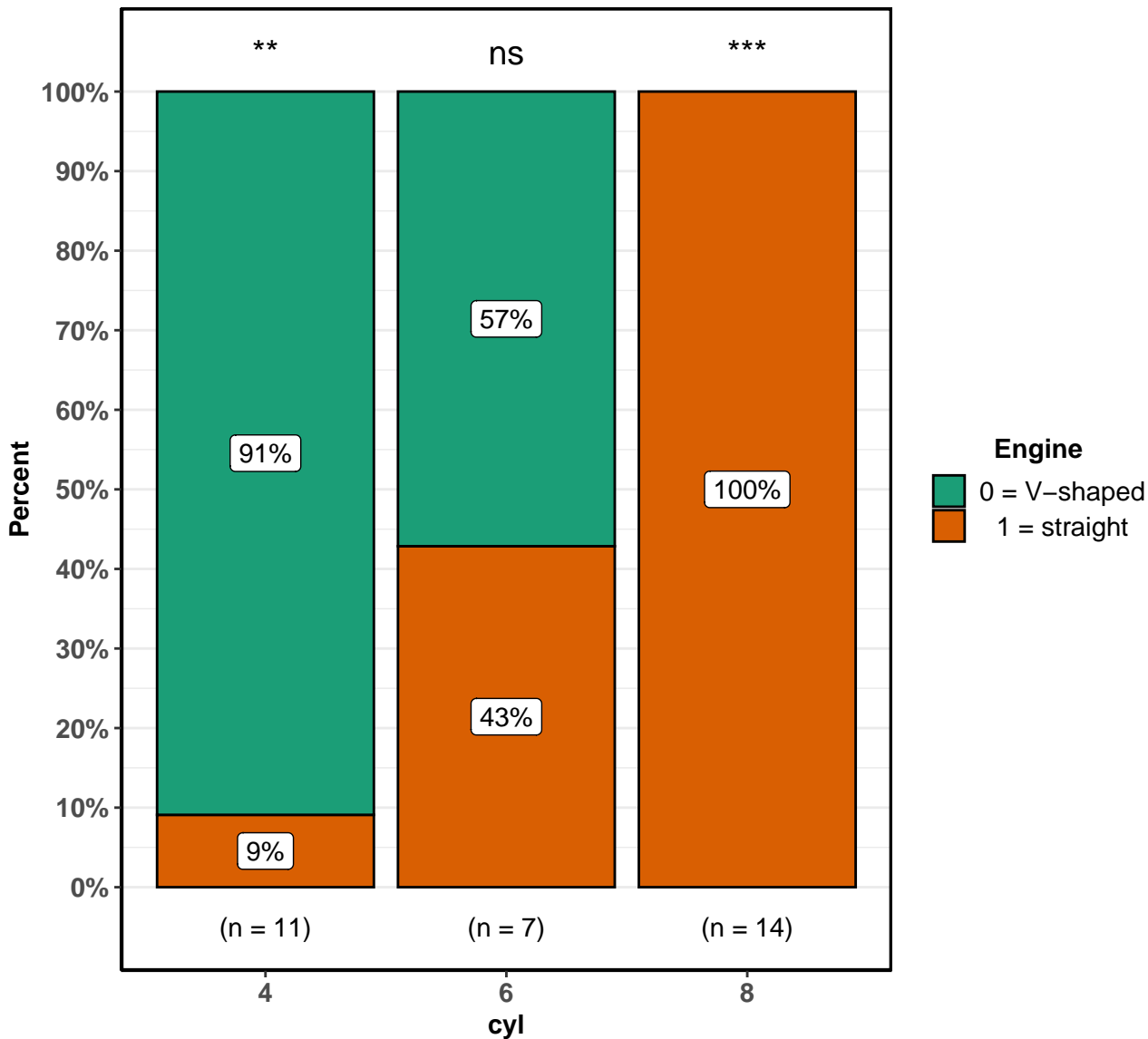


(b) versicolor



Note: Only two species of flower are displayed

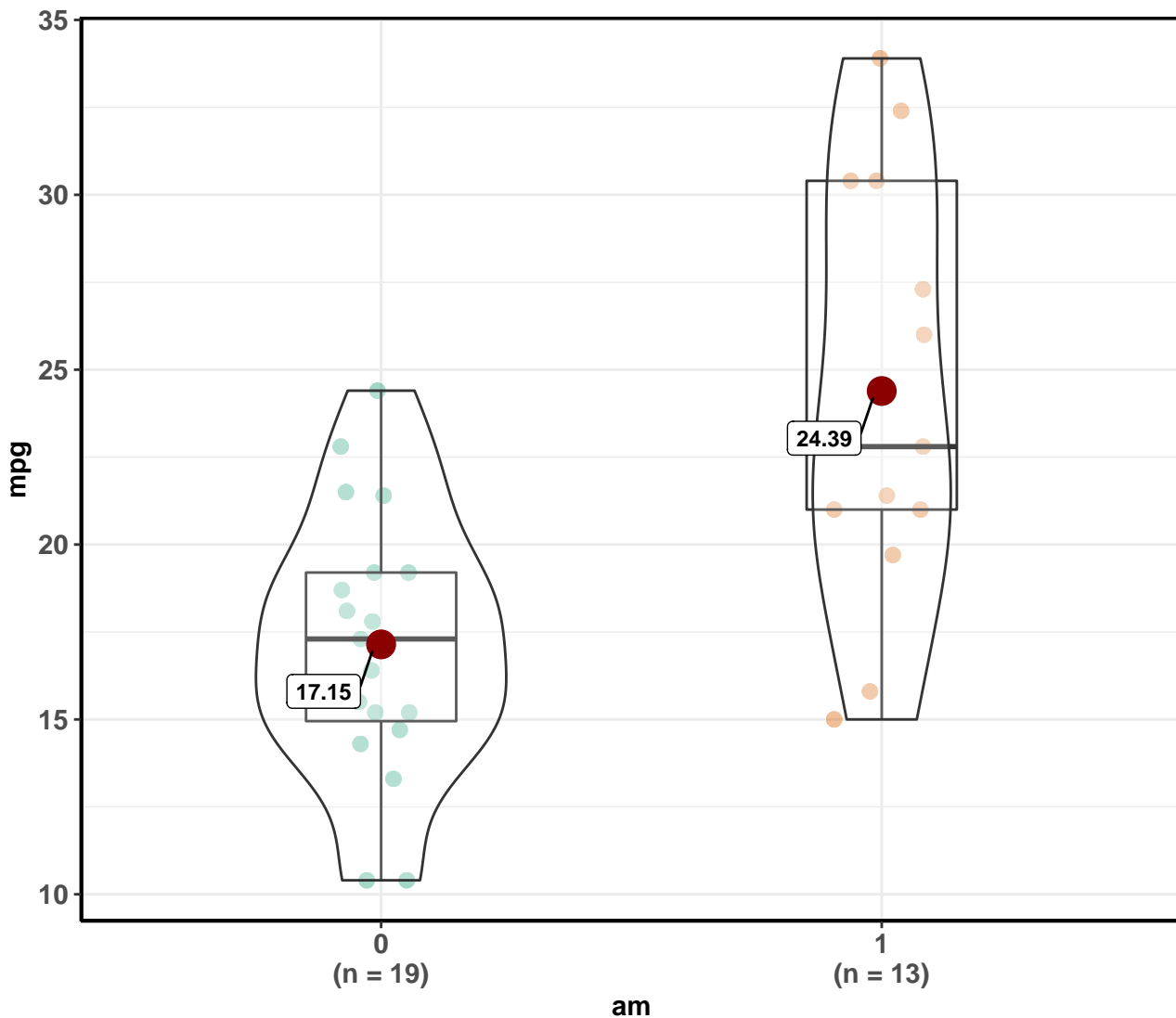
$\chi^2_{\text{Pearson}}(2) = 21.34, p = < 0.001, V_{\text{Cramer}} = 0.82, \text{CI}_{95\%} [0.41, 0.68], n = 32$



In favor of null: $\log_e(\text{BF}_{01}) = -10.31$, sampling = independent multinomial, $a = 1.00$

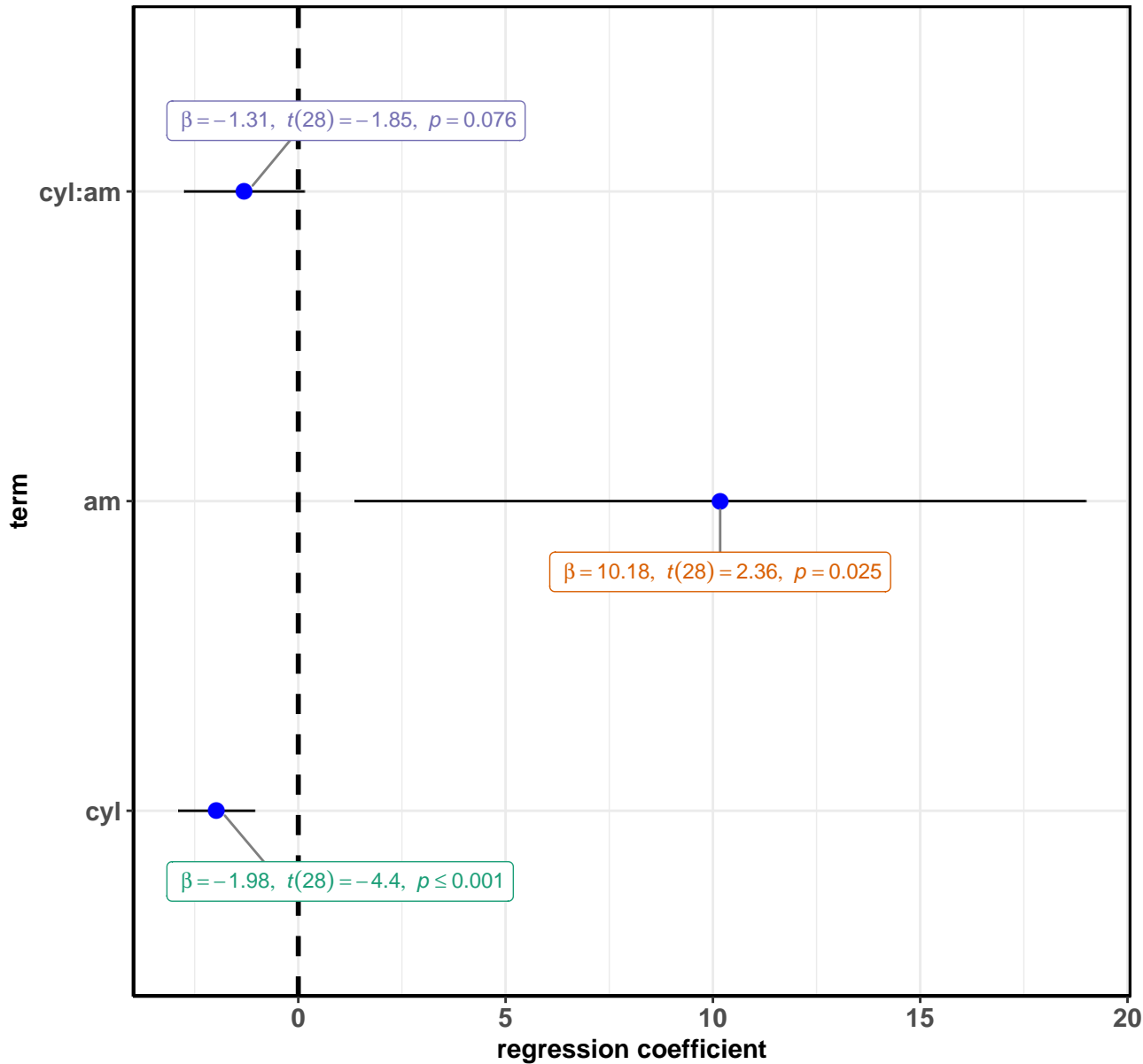
Fuel efficiency by type of car transmission

$t(18.33) = -3.77, p = 0.001, g = -1.38, \text{CI}_{95\%} [-2.17, -0.51], n = 32$

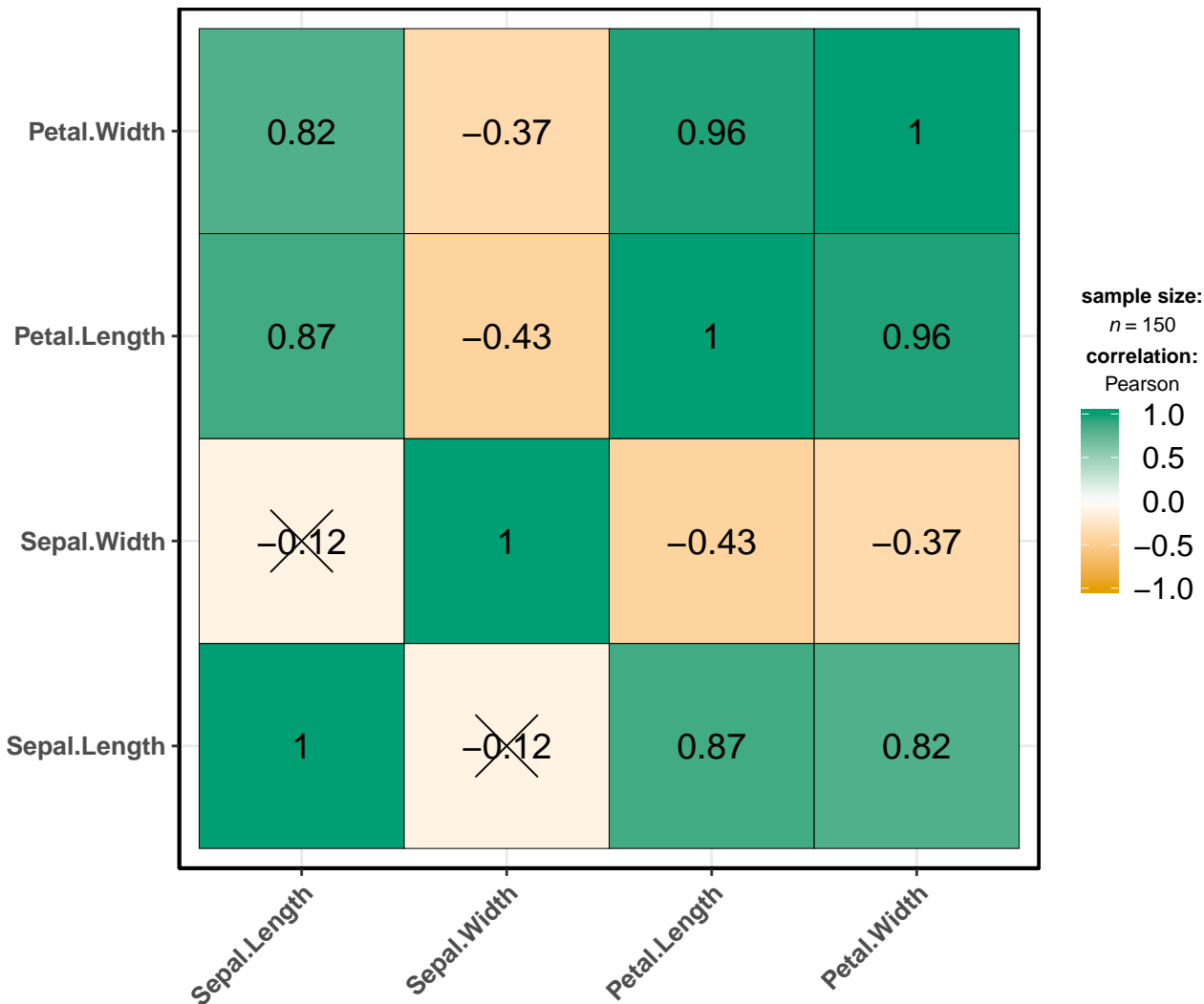


Transmission (0 = automatic, 1 = manual)

In favor of null: $\log_e(\text{BF}_{01}) = -4.46, r_{\text{Cauchy}} = 0.71$

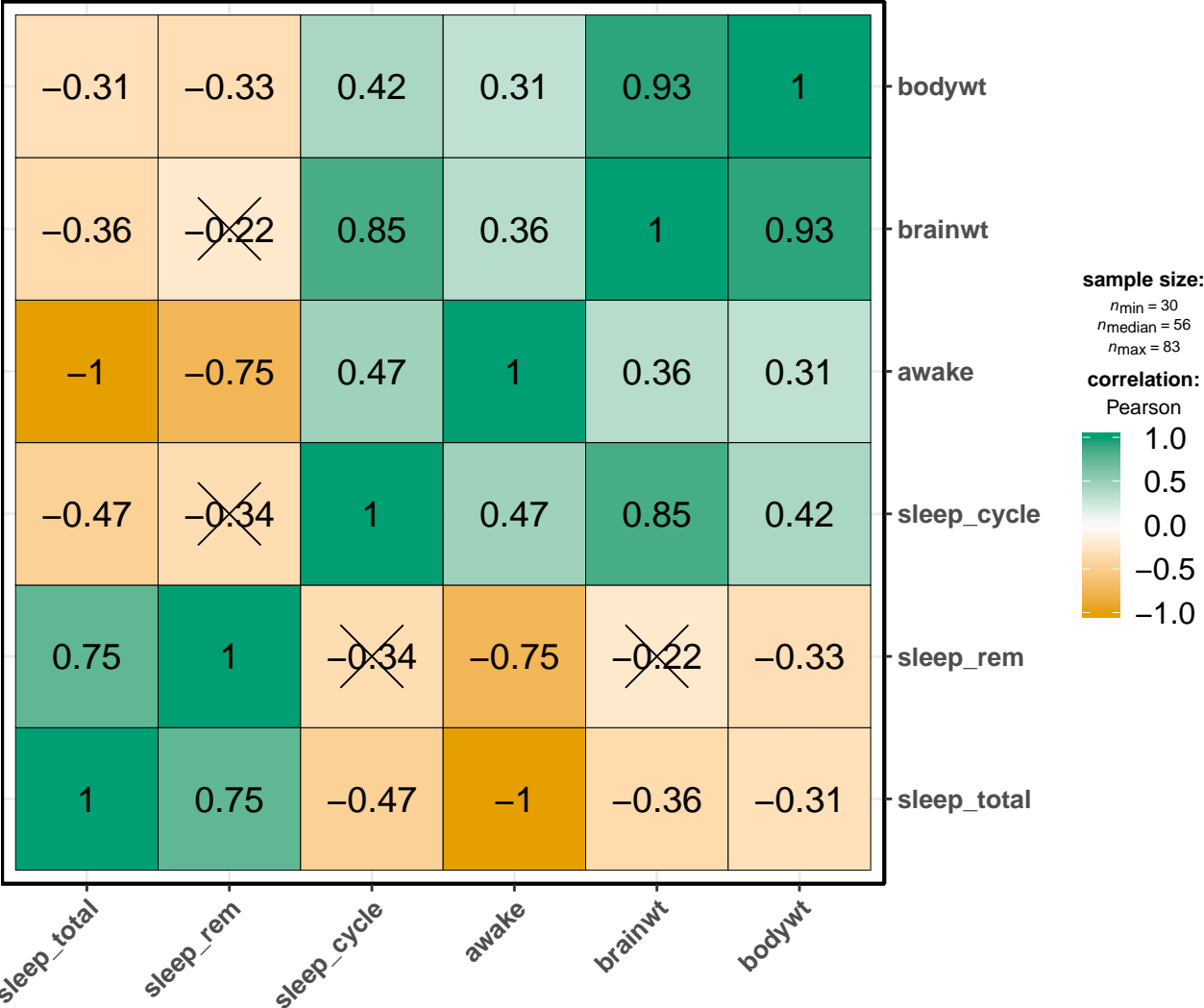


AIC = 166, BIC = 173, log-likelihood = -78



X = correlation non-significant at $p < 0.05$

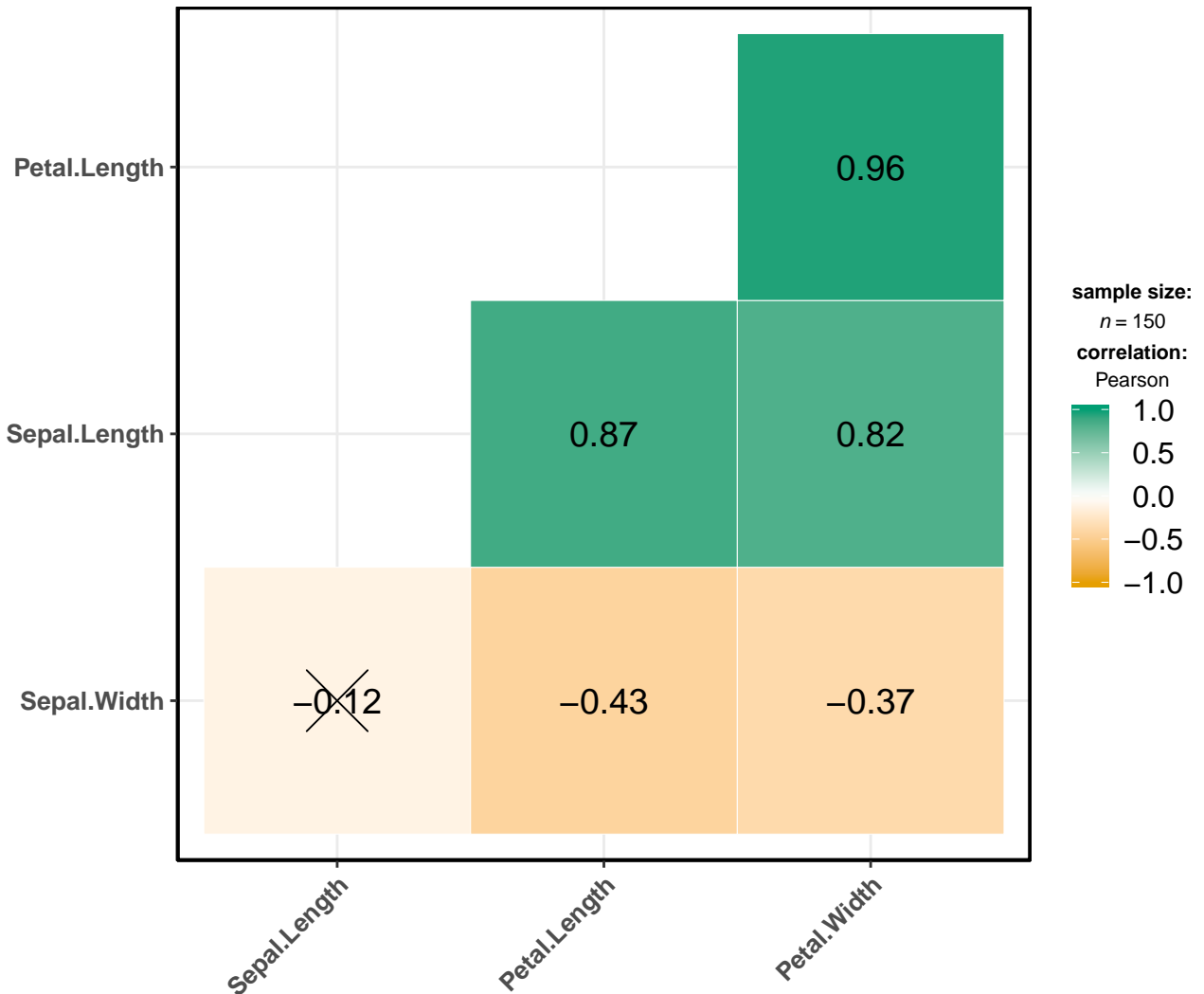
Adjustment (p-value): None



X = correlation non-significant at $p < 0.05$

Adjustment (p-value): None

Dataset: Iris

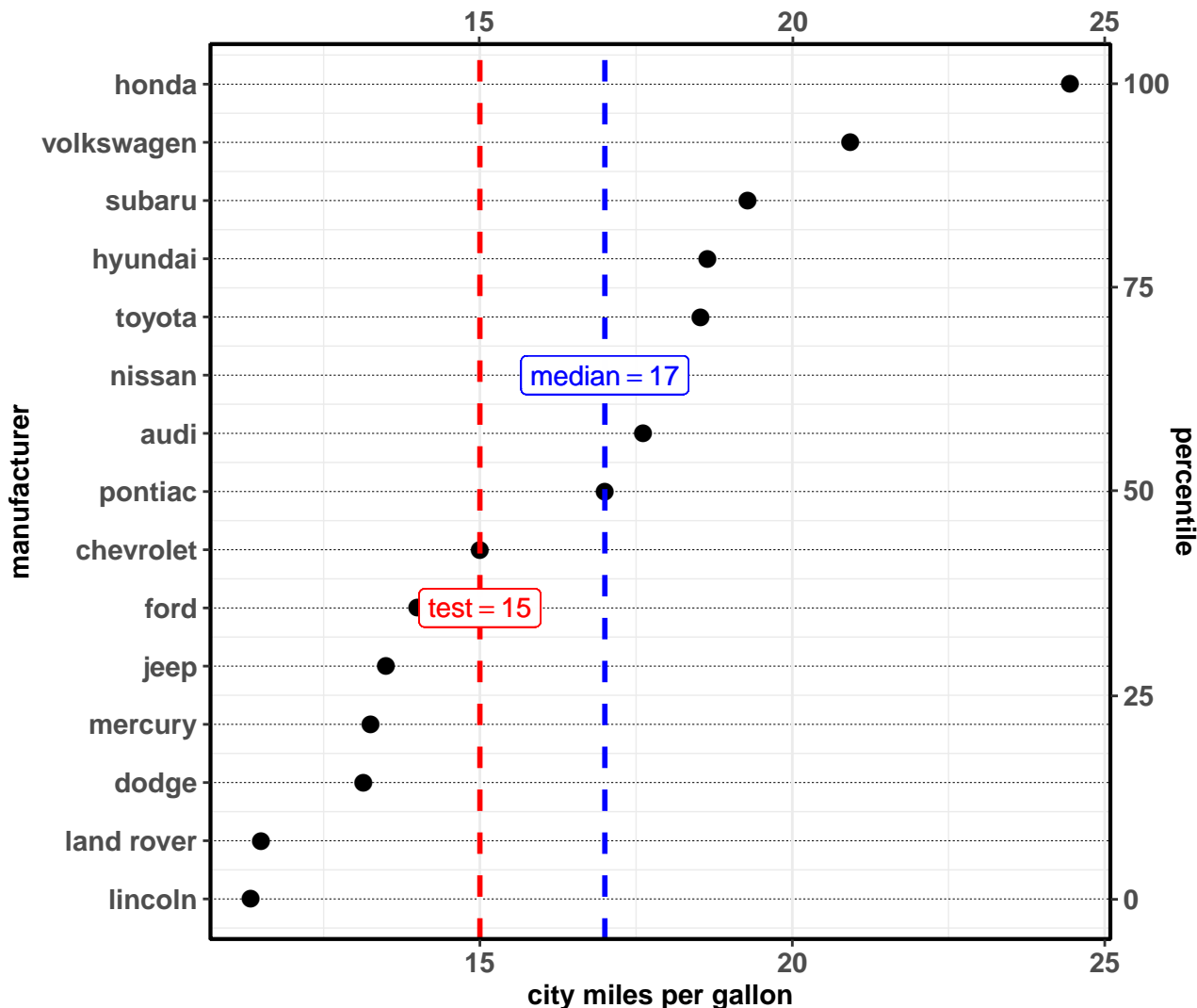


X = correlation non-significant at $p < 0.01$

Adjustment (p-value): None

Fuel economy data

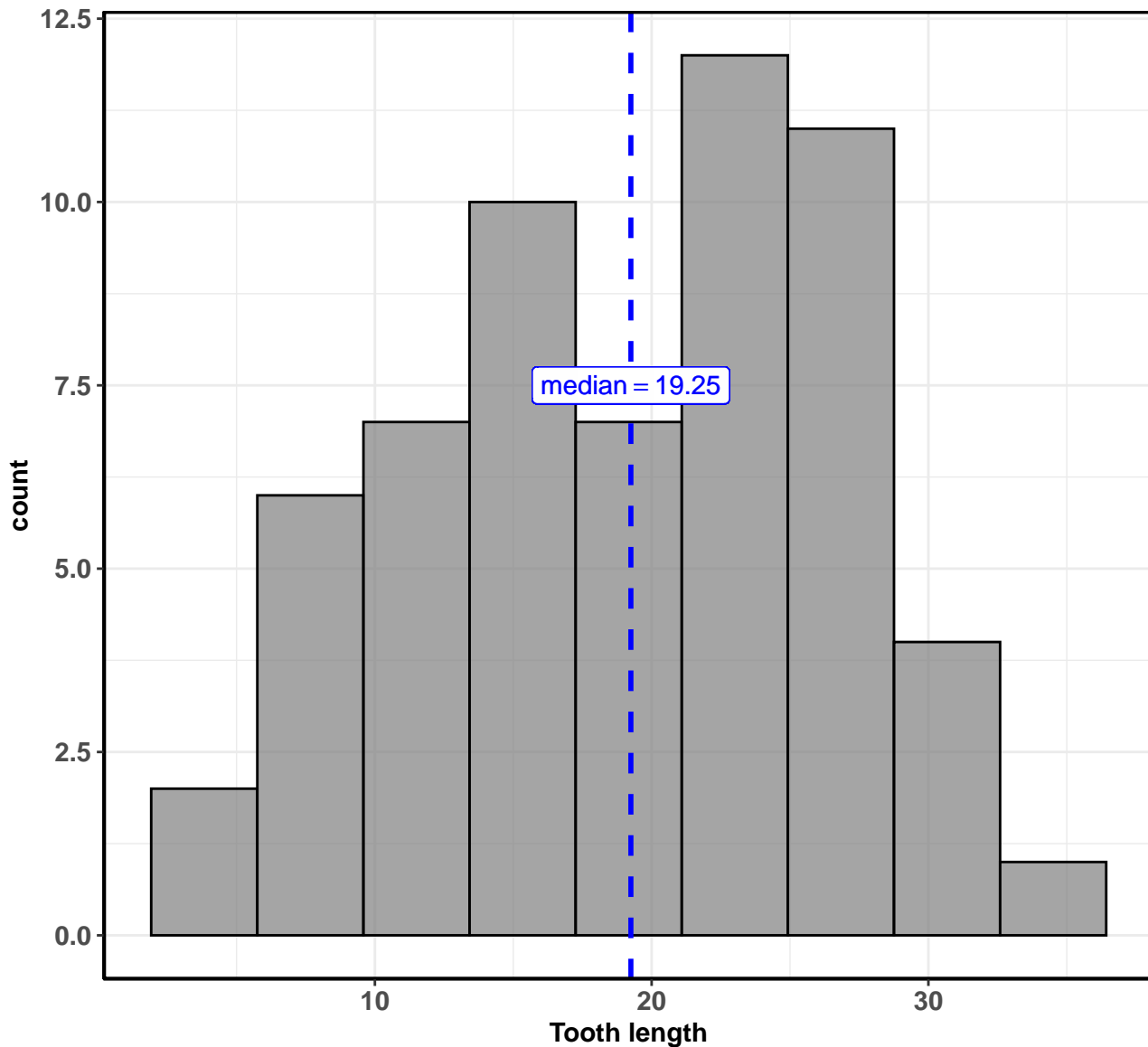
$t(14) = 1.47$, $p = 0.163$, $g = 0.36$, $CI_{99\%} [-0.33, 1.10]$, $n = 15$



Source: EPA dataset on <http://fuelconomy.gov>

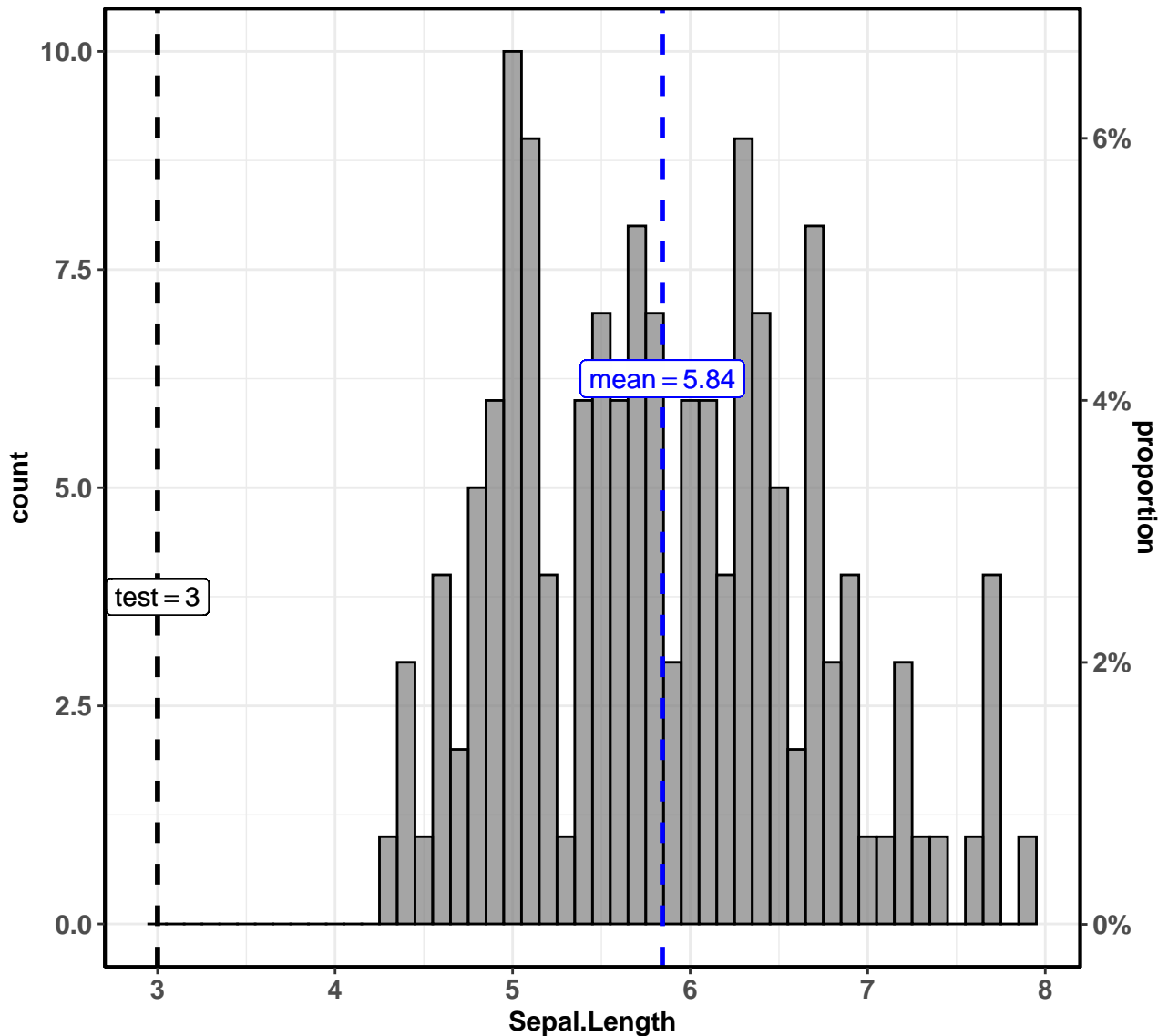
In favor of null: $\log_e(BF_{01}) = 0.44$, $r_{\text{Cauchy}} = 0.71$

$t(59) = 19.05, p = < 0.001, g = 2.43, CI_{95\%} [1.96, 2.99], n = 60$



In favor of null: $\log_e(BF_{01}) = -54.54, r_{\text{Cauchy}} = 0.71$

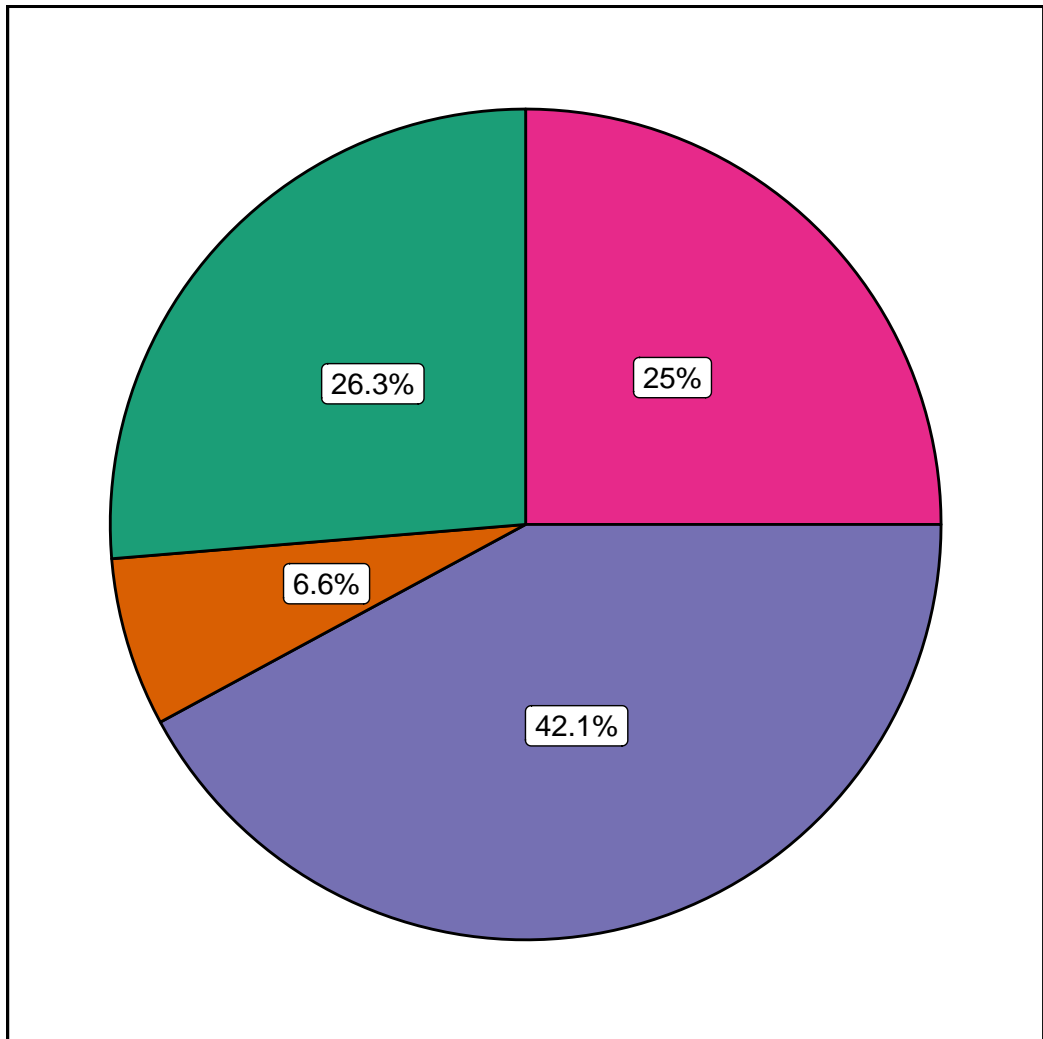
$t(149) = 42.05$, $p = < 0.001$, $g = 3.42$, $CI_{95\%} [3.02, 3.86]$, $n = 150$



Note: Iris dataset by Fisher.

In favor of null: $\log_e(BF_{01}) = -186.14$, $r_{\text{Cauchy}} = 0.80$

$\chi^2_{\text{gof}}(3) = 19.263$, $p = < 0.001$, $V_{\text{Cramer}} = 0.291$, $\text{CI}_{95\%} [0.181, 0.366]$, $n = 76$

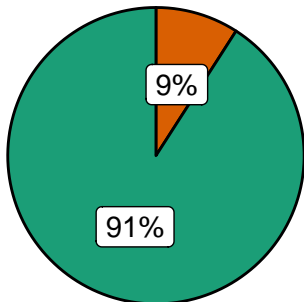


vore ■ omni ■ insecti ■ herbi ■ carni

In favor of null: $\log_e(\text{BF}_{01}) = -3.734$, $a = 1.000$

$\chi^2_{\text{Pearson}}(2) = 21.34, p = < 0.001, V_{\text{Cramer}} = 0.82, \text{CI}_{95\%} [0.47, 0.67], n = 32$

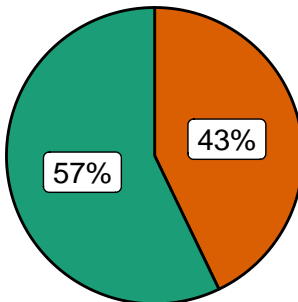
cyl: 4



(n = 11)

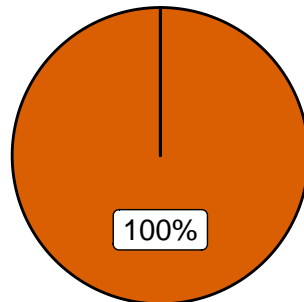
cyl: 6

ns





(n = 7)

cyl: 8

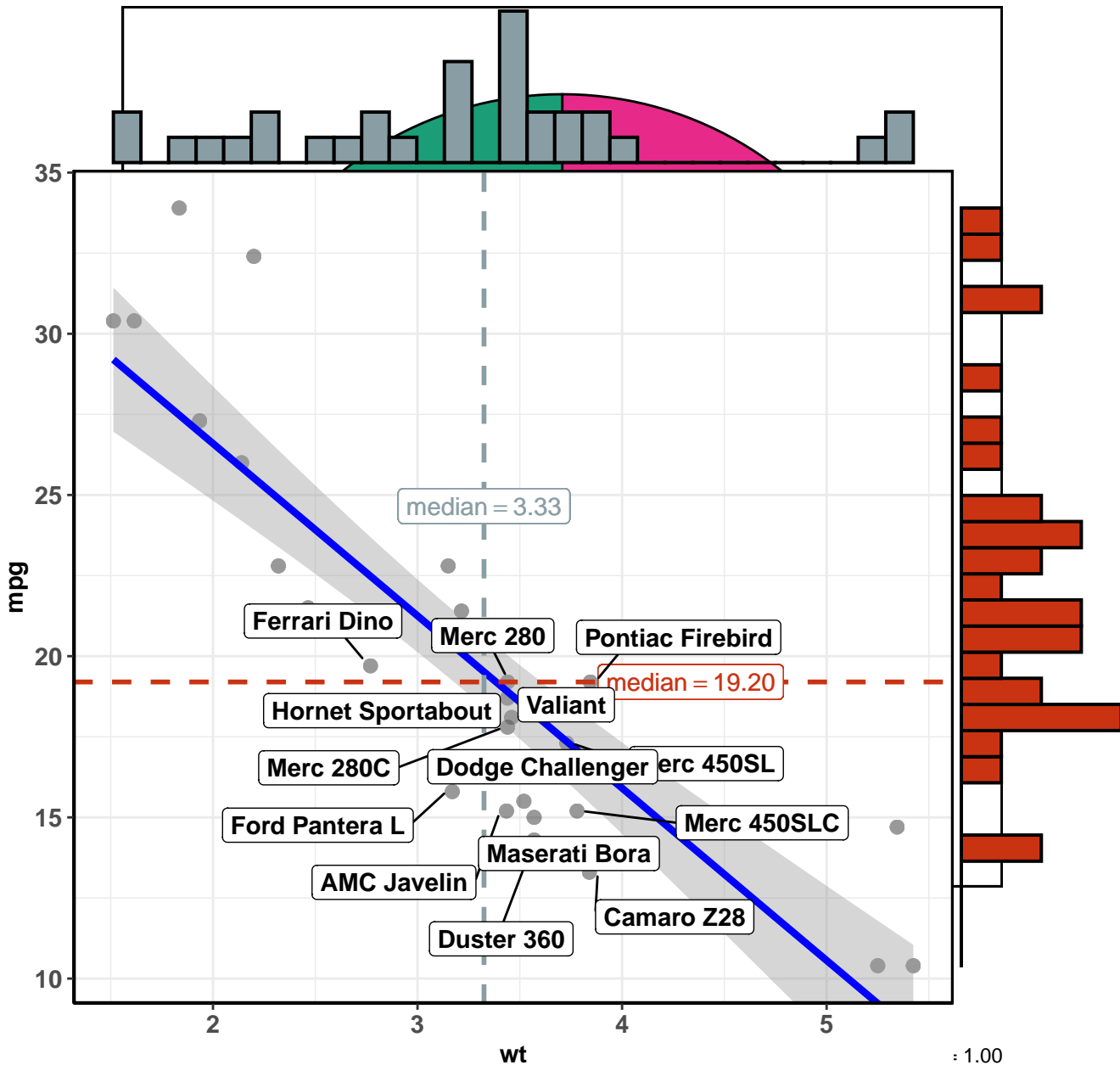


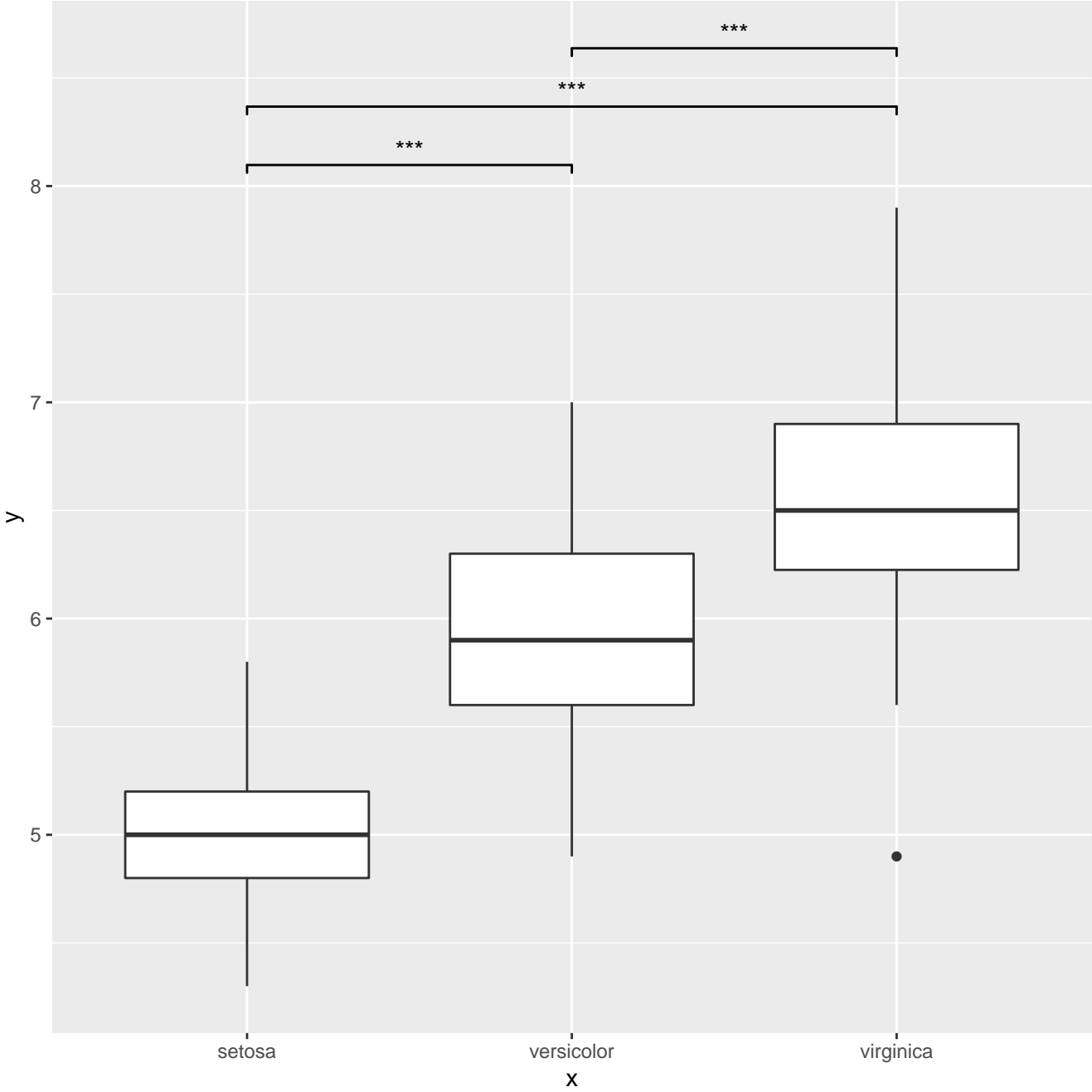
(n = 14)

Engine  0 = V-shaped  1 = straight

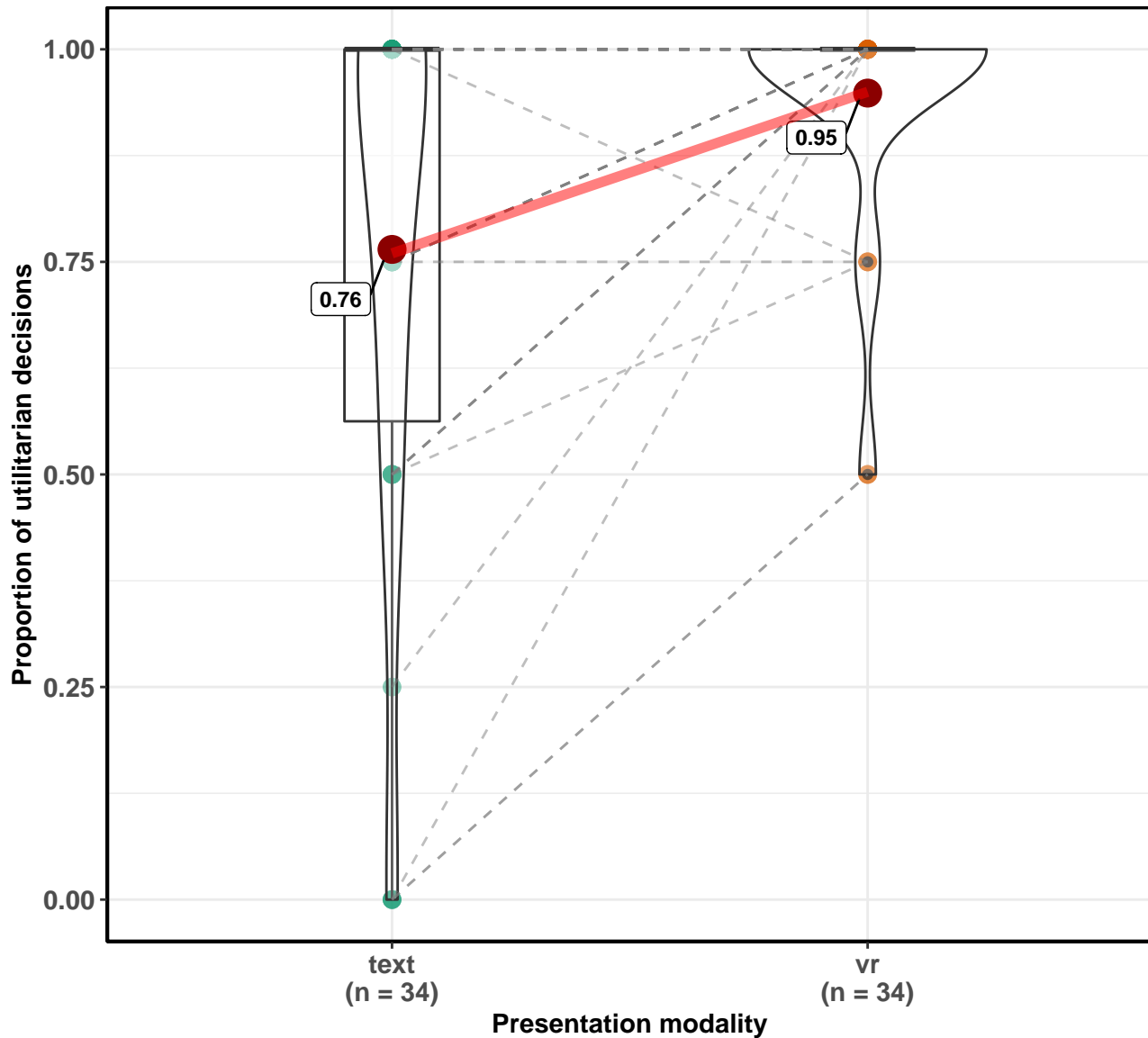
In favor of null: $\log_e(\text{BF}_{01}) = -10.31$, sampling = independent multinomial, $a = 1.00$

$\log_e(S) = 9.24$, $p = < 0.001$, $\rho_{\text{Spearman}} = -0.89$, $CI_{95\%} [-0.94, -0.78]$, $n = 32$
 $\chi^2_{\text{gof}}(3) = 133.47$, $p = < 0.001$, $V_{\text{Cramer}} = 0.27$, $CI_{95\%} [0.23, 0.32]$, $n = 592$



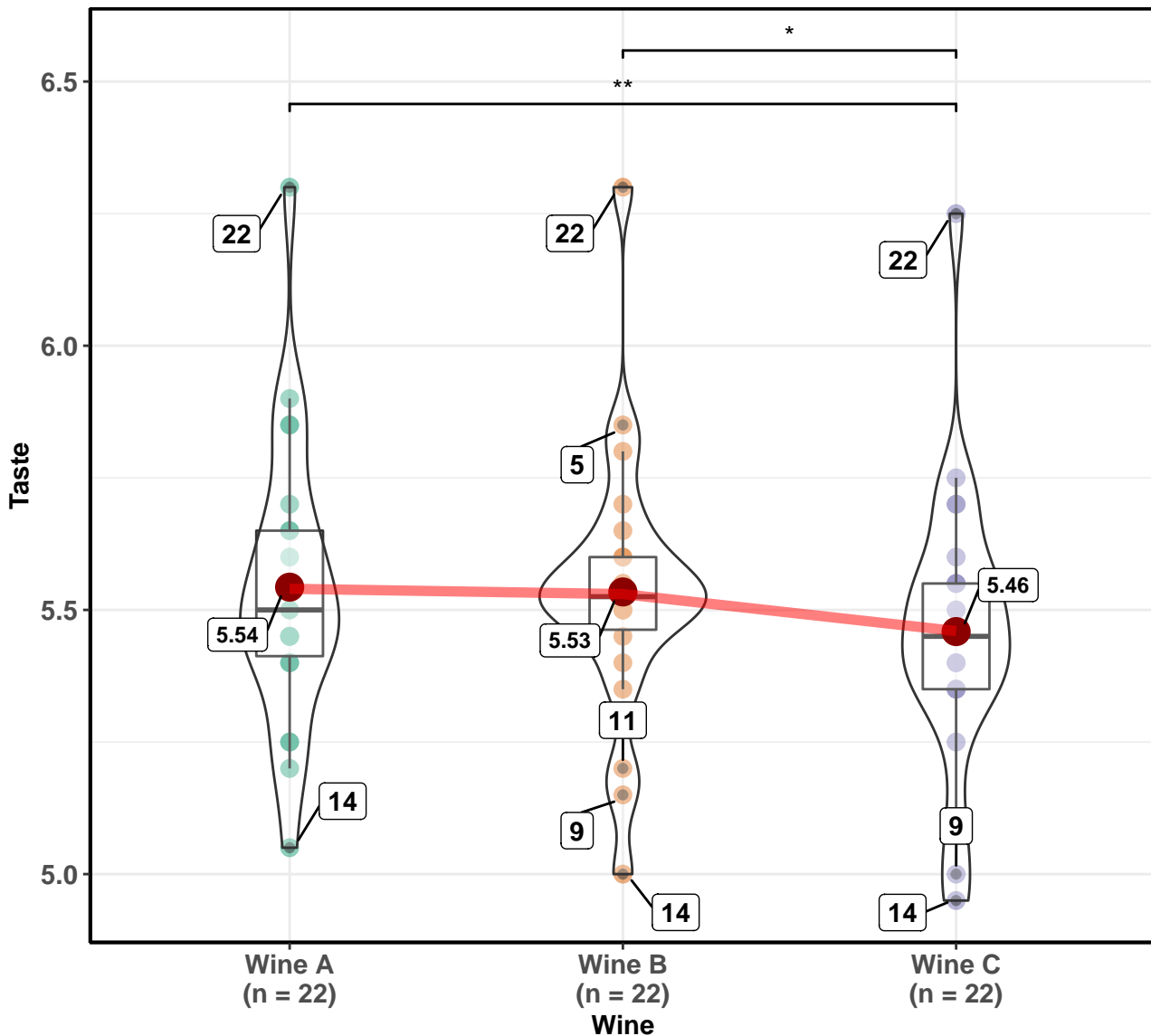


$t(33) = -3.96, p = < 0.001, g = -0.66, CI_{95\%} [-1.07, -0.31], n = 34$



In favor of null: $\log_e(BF_{01}) = -4.34, r_{\text{Cauchy}} = 0.71$

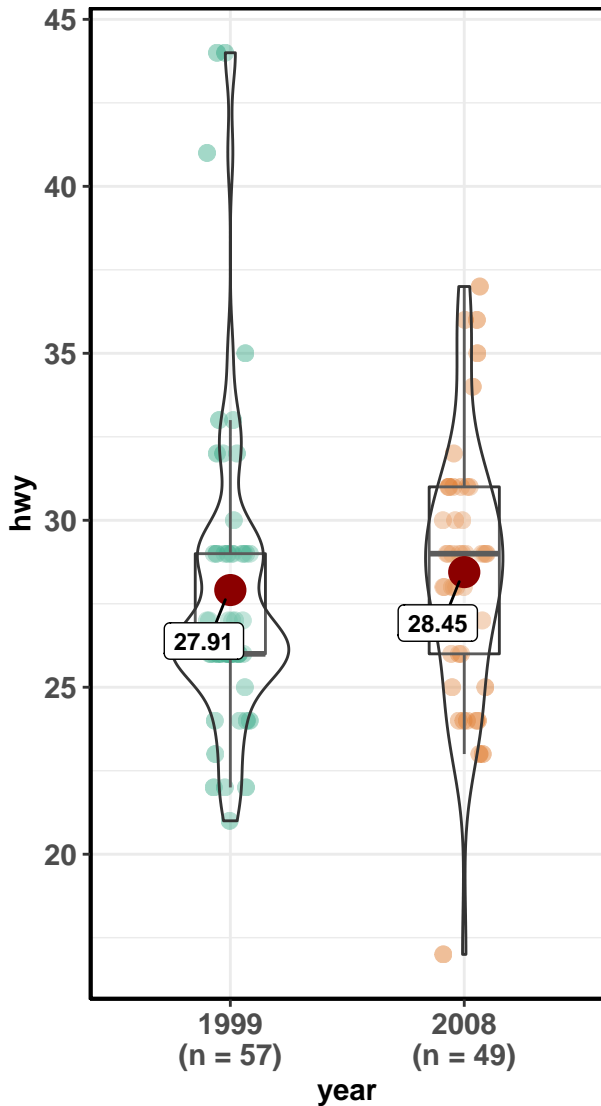
$\chi^2(2) = 11.14, p = 0.004, W_{\text{Kendall}} = 0.82, \text{CI}_{99\%} [0.60, 1.03], n = 22$



Pairwise comparisons: **Durbin–Conover test**; Adjustment (p–value): **Holm**

drv: f

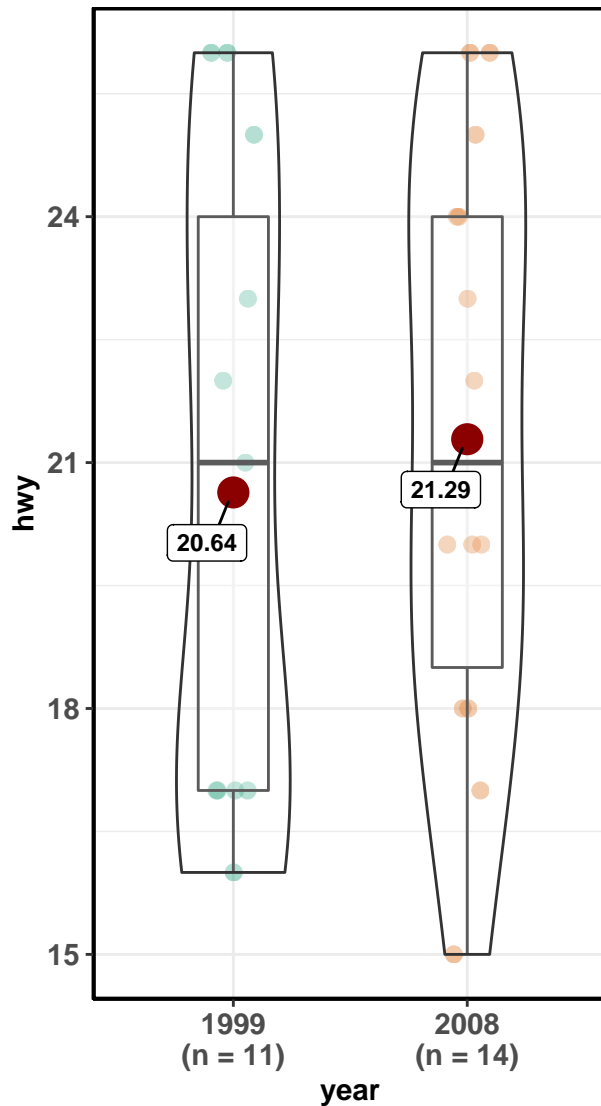
$t(20.71) = -0.66, p = 0.509, g = -0.13, CI_{99\%} [-0.63, 0.19]$



In favor of null: $\log_e(BF_{01}) = 1.39, r_{\text{Cauchy}} = 0.71$

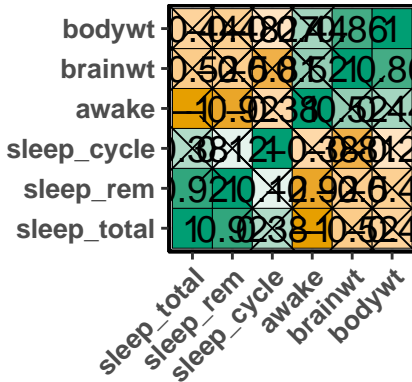
drv: r

$t(20.71) = -0.43, p = 0.675, g = -0.17, CI_{99\%} [-1.21, 0.8]$



In favor of null: $\log_e(BF_{01}) = 0.93, r_{\text{Cauchy}} = 0.71$

vore: carni

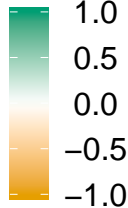


sample size:

$n_{\min} = 4$
 $n_{\text{median}} = 9$
 $n_{\max} = 19$

correlation:

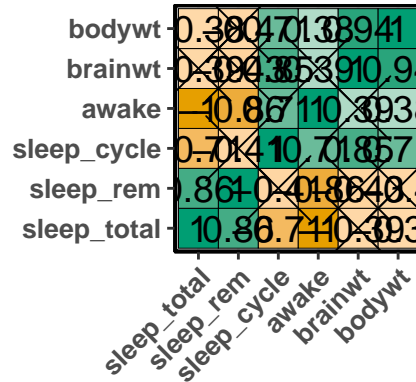
Pearson



X = correlation non-significant at $p < 0.05$

Adjustment (p-value): None

vore: herbi

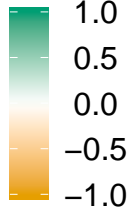


sample size:

$n_{\min} = 11$
 $n_{\text{median}} = 20$
 $n_{\max} = 32$

correlation:

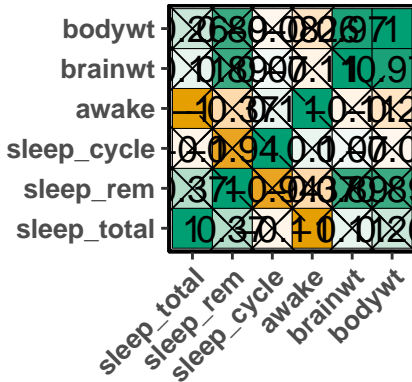
Pearson



X = correlation non-significant at $p < 0.05$

Adjustment (p-value): None

vore: insecti

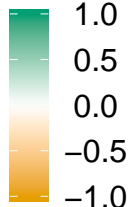


sample size:

$n_{\min} = 3$
 $n_{\text{median}} = 4$
 $n_{\max} = 5$

correlation:

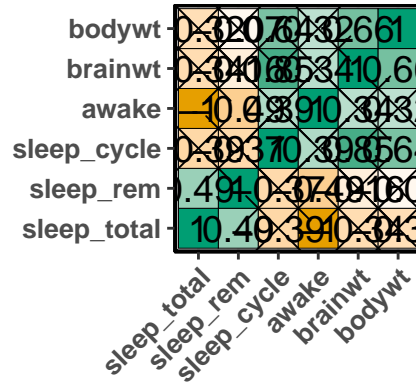
Pearson



X = correlation non-significant at $p < 0.05$

Adjustment (p-value): None

vore: omni

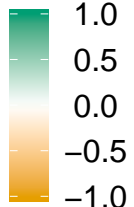


sample size:

$n_{\min} = 11$
 $n_{\text{median}} = 17$
 $n_{\max} = 20$

correlation:

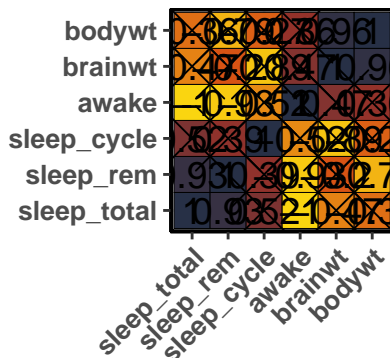
Pearson



X = correlation non-significant at $p < 0.05$

Adjustment (p-value): None

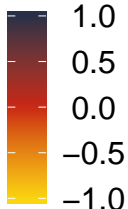
vore: carni



sample size:

$n_{\min} = 4$
 $n_{\text{median}} = 9$
 $n_{\max} = 19$

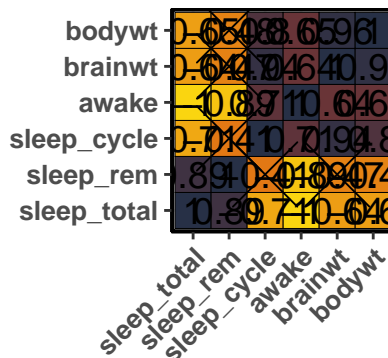
correlation:
 robust (% bend)



= correlation non-significant at $p < 0.05$

Adjustment (p-value): Holm

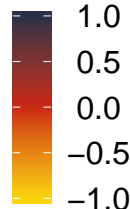
vore: herbi



sample size:

$n_{\min} = 11$
 $n_{\text{median}} = 20$
 $n_{\max} = 32$

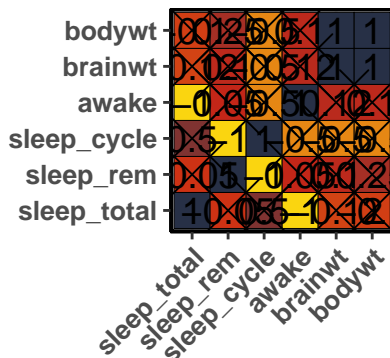
correlation:
 robust (% bend)



X = correlation non-significant at $p < 0.05$

Adjustment (p-value): Holm

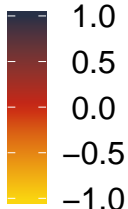
vore: insecti



sample size:

$n_{\min} = 3$
 $n_{\text{median}} = 4$
 $n_{\max} = 5$

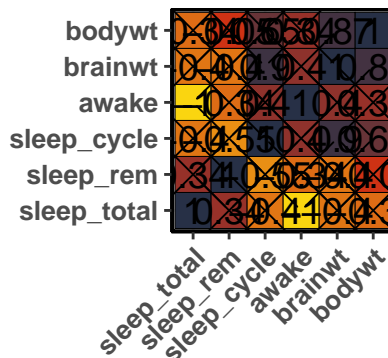
correlation:
 robust (% bend)



= correlation non-significant at $p < 0.05$

Adjustment (p-value): Holm

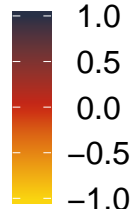
vore: omni



sample size:

$n_{\min} = 11$
 $n_{\text{median}} = 17$
 $n_{\max} = 20$

correlation:
 robust (% bend)

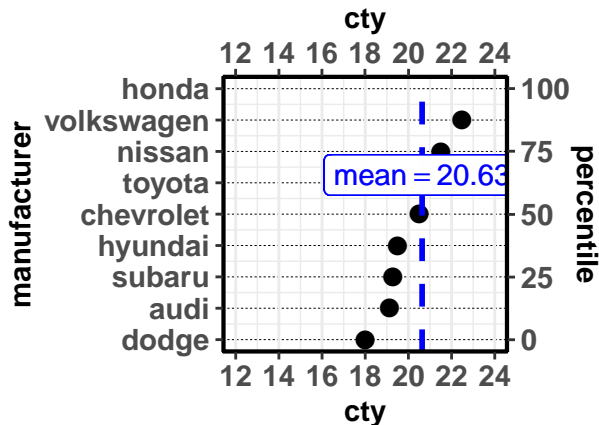


X = correlation non-significant at $p < 0.05$

Adjustment (p-value): Holm

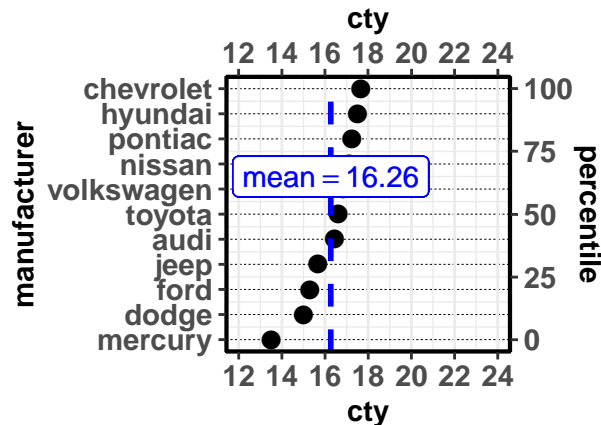
cylinder count: 4

$t(8) = 7.82, p = < 0.001, g = 2.32, CI_{95\%} [1.25, 4.25]$ $t(10) = 1.99, p = 0.075, g = 0.55, CI_{95\%} [-0.06, 1.29]$



In favor of null: $\log_e(BF_{01}) = -6.20, r_{\text{Cauchy}} = 0.71$

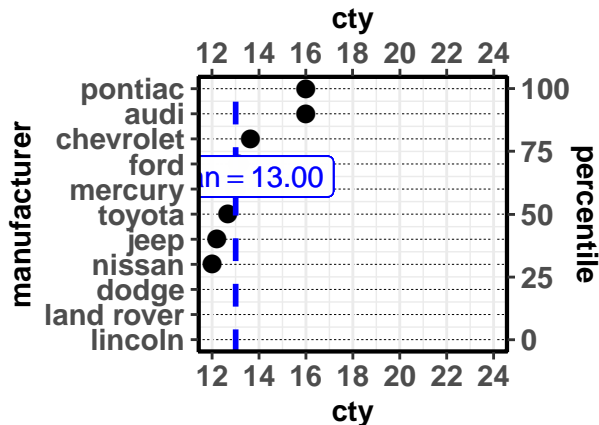
cylinder count: 6



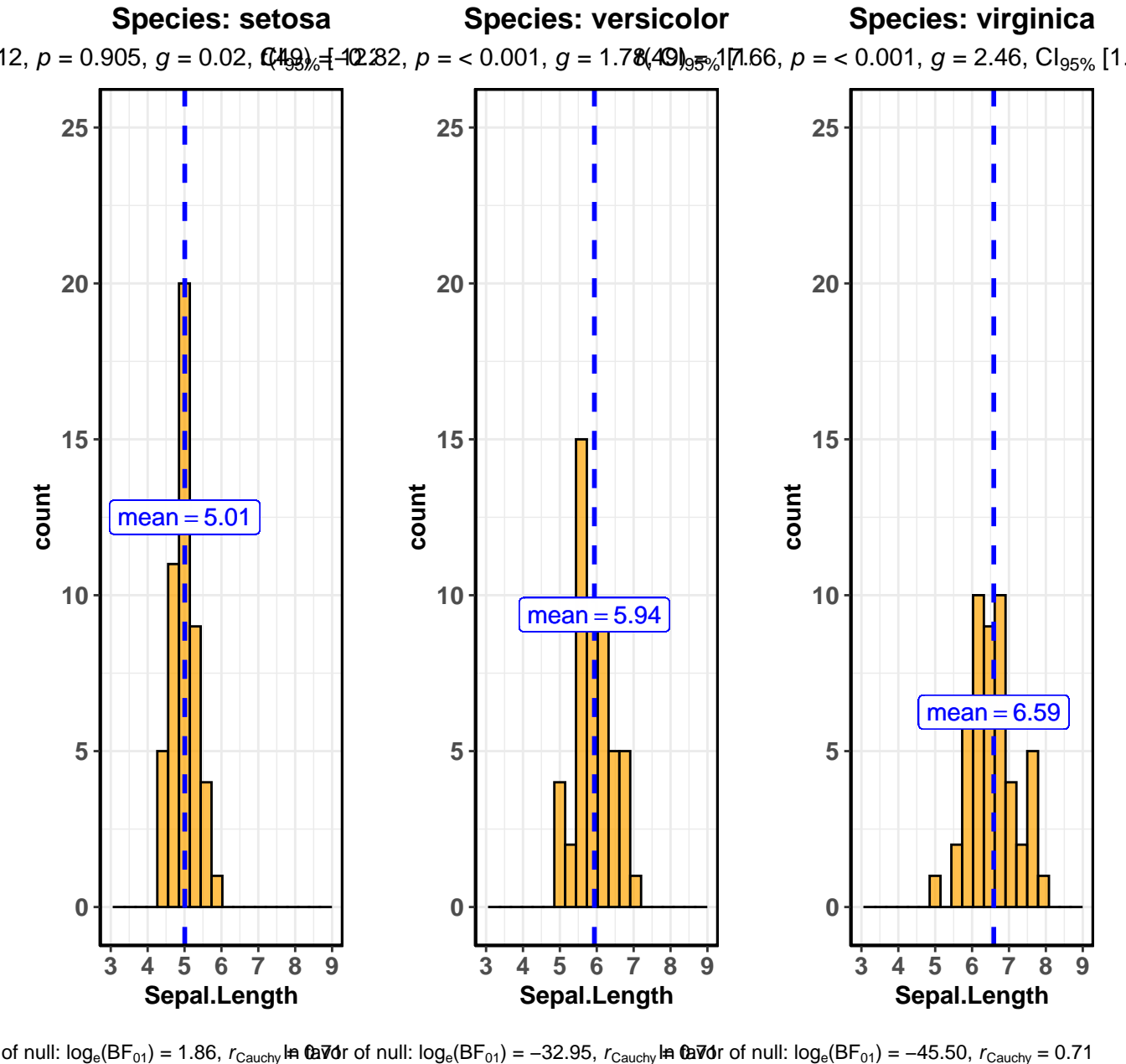
In favor of null: $\log_e(BF_{01}) = -0.23, r_{\text{Cauchy}} = 0.71$

cylinder count: 8

$t(8) = -5.01, p = 0.001, g = -1.38, CI_{95\%} [-2.49, -0.64], n = 11$



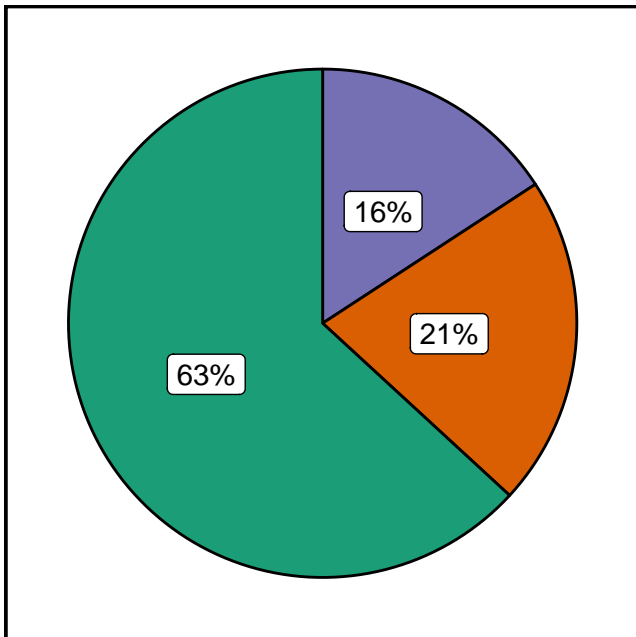
In favor of null: $\log_e(BF_{01}) = -4.24, r_{\text{Cauchy}} = 0.71$



am: 0

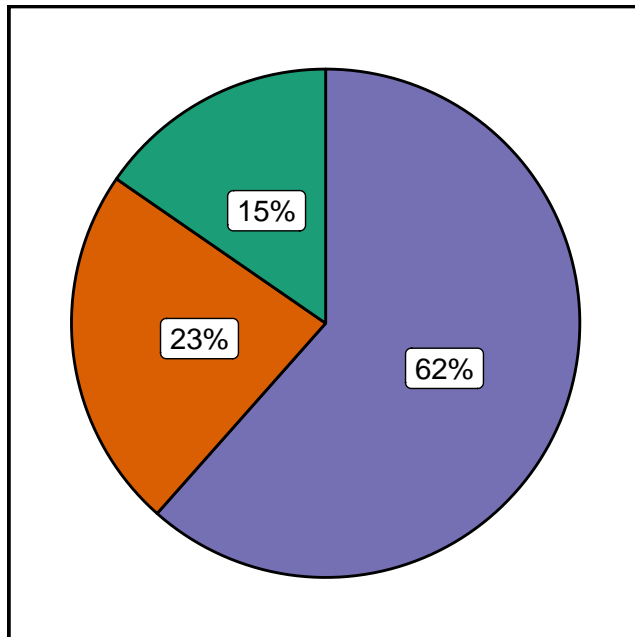
am: 1

$\chi^2(2) = 7.68, p = 0.021, V_{\text{Cramer}} = 0.45, CI_{95\%} [0.05, 0.77], n_{\text{log}}(2) = 4.77, p = 0.092, V_{\text{Cramer}} = 0.43, CI_{95\%} [0.07, 0.71], n$



cyl  8  6  4

In favor of null: $\log_e(BF_{01}) = -0.16, a = 1.00$



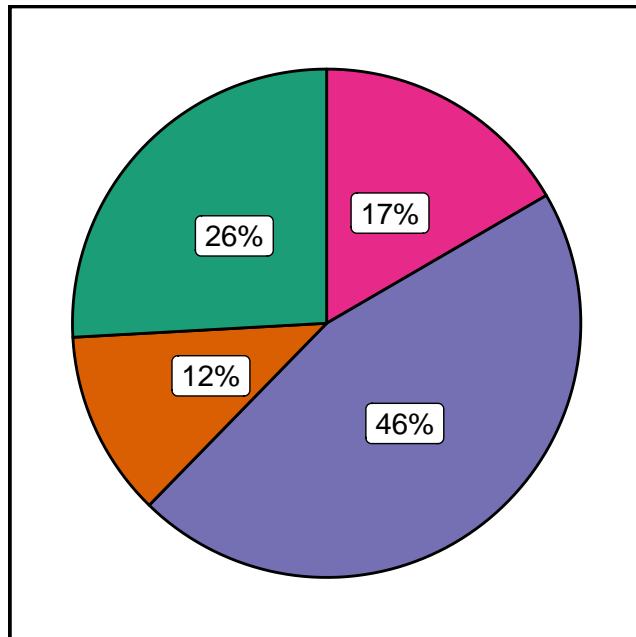
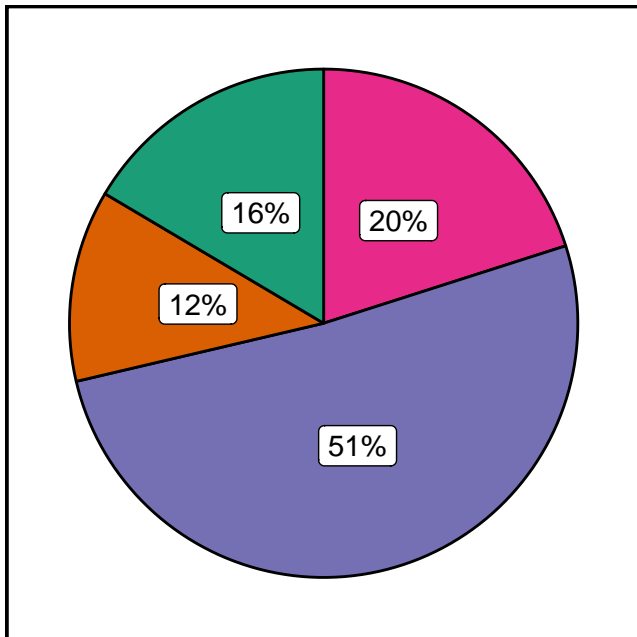
cyl  8  6  4

In favor of null: $\log_e(BF_{01}) = 0.85, a = 1.00$

Sex: Male

Sex: Female

$\chi^2(3) = 106.05, p = < 0.001, V_{\text{Cramer}} = 0.36, \text{CI}_{95\%} [0.27, 0.43]$ $\chi^2(3) = 84.23, p = < 0.001, V_{\text{Cramer}} = 0.30, \text{CI}_{95\%} [0.23, 0.37]$, $r = 0.43$ $r = 0.37$



Hair  Blond  Red  Brown  Black

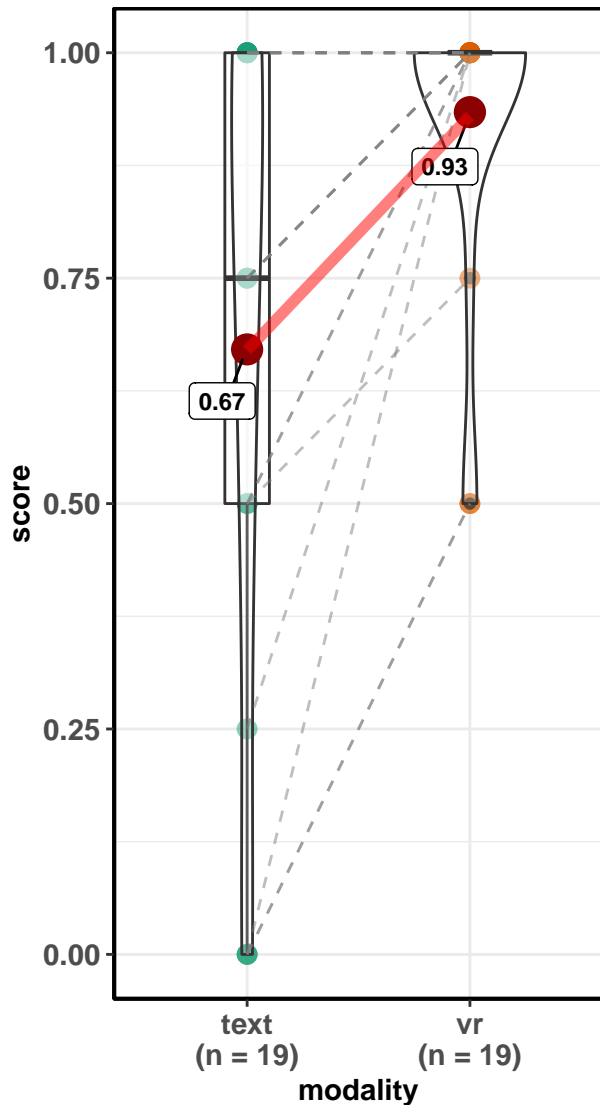
Hair  Blond  Red  Brown  Black

In favor of null: $\log_e(\text{BF}_{01}) = -37.65, a = 1.00$

In favor of null: $\log_e(\text{BF}_{01}) = -30.42, a = 1.00$

order: 0

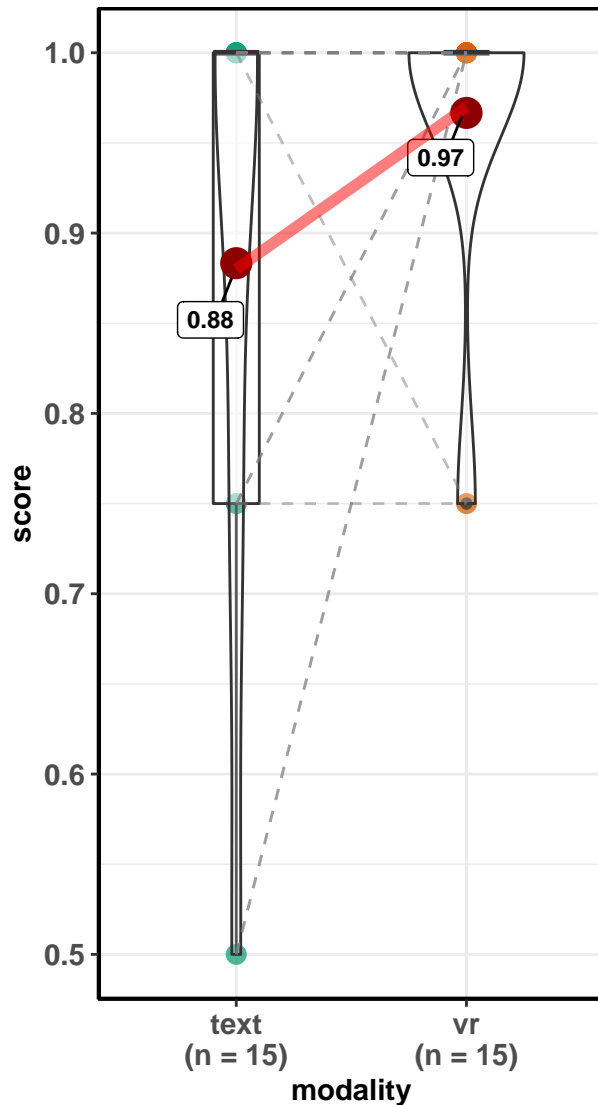
$18) = -3.90, p = 0.001, g = -0.85, CI_{95\%} [-1.46, -0.14]$



In favor of null: $\log_e(BF_{01}) = -3.56, r_{\text{Cauchy}} = 0.71$

order: 1

$14) = -1.58, p = 0.136, g = -0.38, CI_{95\%} [-0.96, 0.13]$



In favor of null: $\log_e(BF_{01}) = 0.32, r_{\text{Cauchy}} = 0.71$

