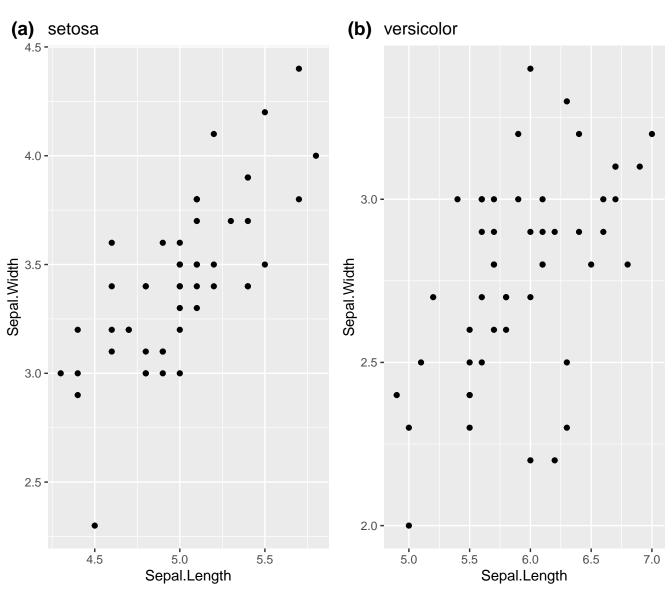
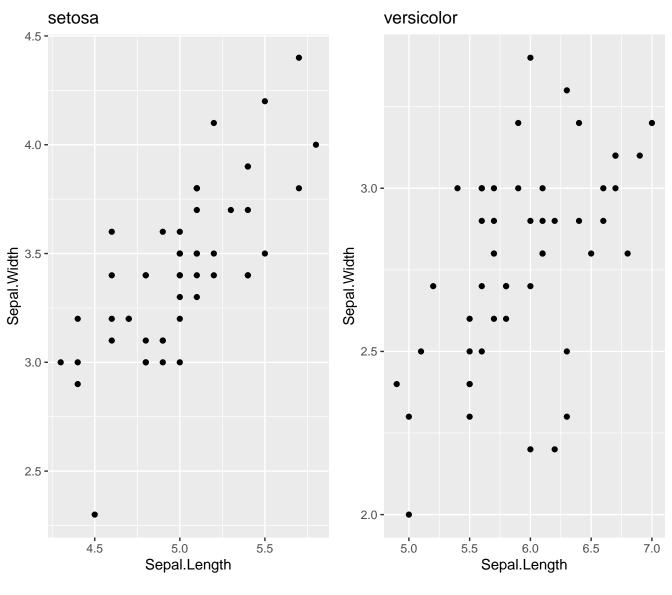
Dataset: Iris Flower dataset

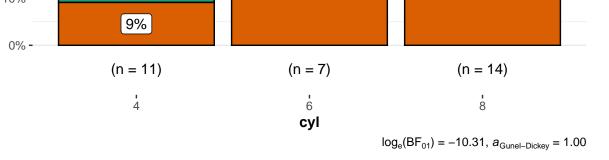


Note: Only two species of flower are displayed

Dataset: Iris Flower dataset



Note: Only two species of flower are displayed



Fuel efficiency by type of car transmission

(n = 19)

10 -

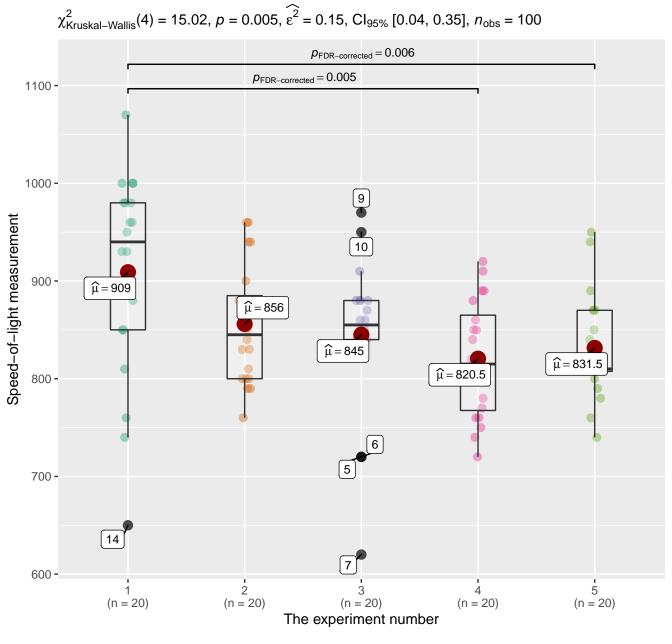
 $t_{\rm Welch}(18.33) = -3.77, \, p = 0.001, \, \widehat{g}_{\rm Hedge} = -1.38, \, {\rm Cl}_{95\%} \, [-2.08, \, -0.55], \, n_{\rm obs} = 32$ 35 -30 - $\widehat{\mu} = 24.39$ 25 -20 - $\hat{\mu} = 17.15$ 15**-**

am

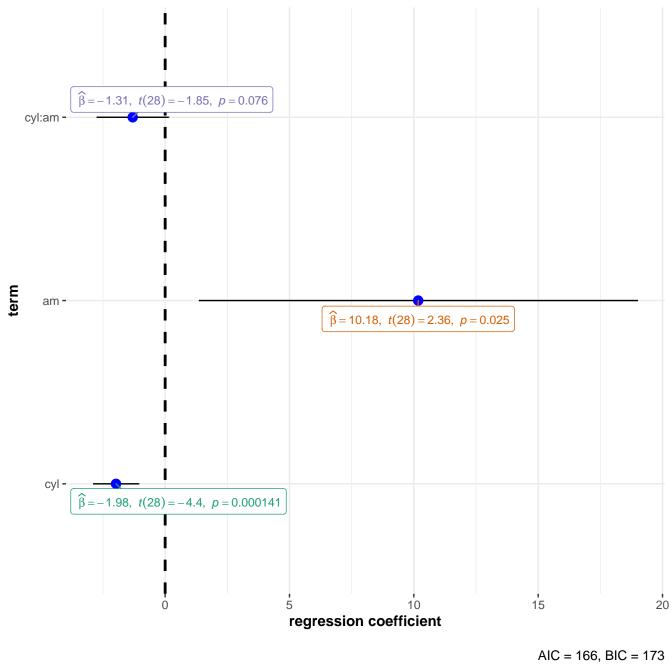
Transmission (0 = automatic, 1 = manual)

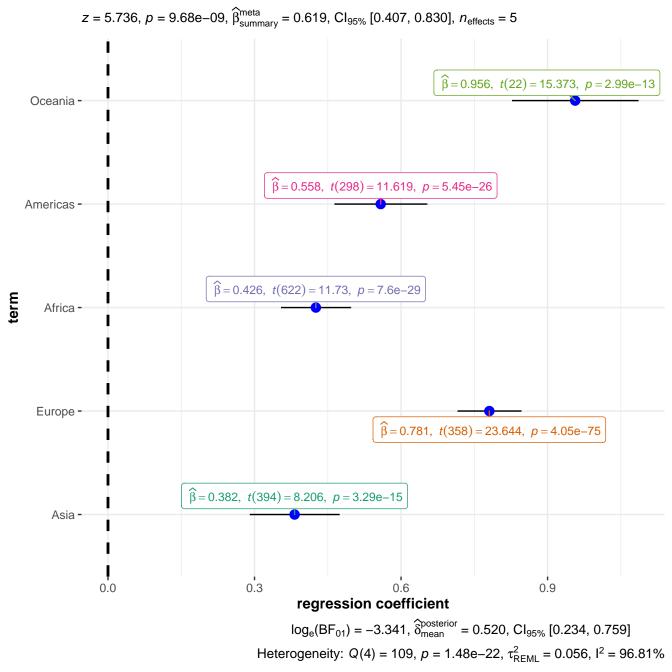
(n = 13)

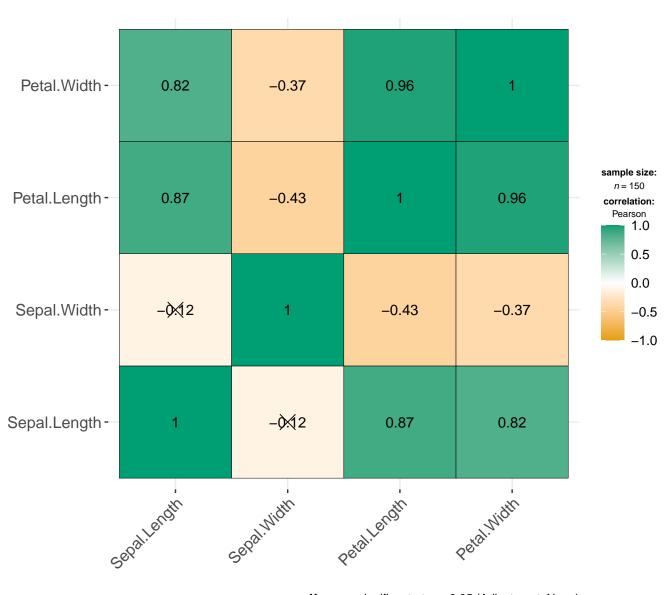
 $log_{e}(BF_{01}) = -4.46, \ \hat{\delta}_{median}^{posterior} = 6.44, \ Cl_{95\%}^{HDI} \ [2.68, \ 10.05], \ r_{Cauchy}^{JZS} = 0.71$



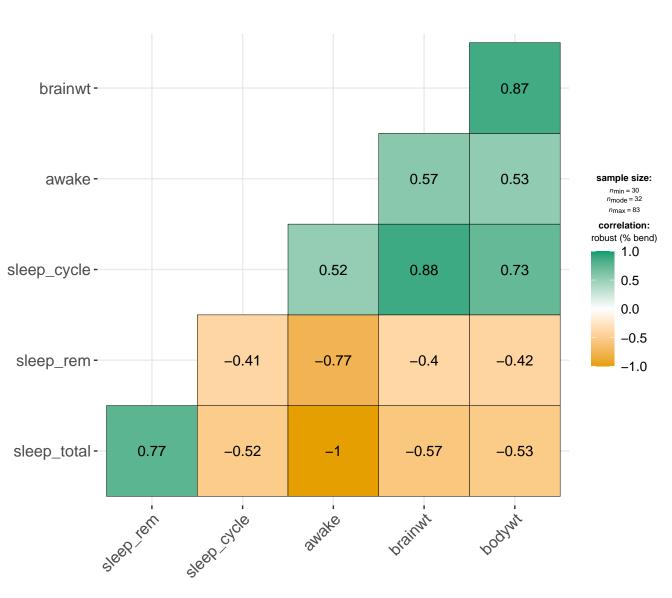
Pairwise test: Dunn test; Comparisons shown: only significant







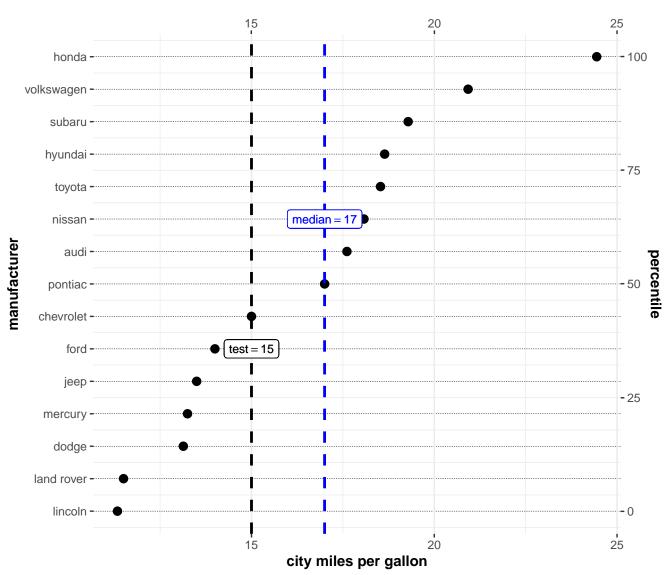
 $\mathbf{X} = \text{non-significant at } p < 0.05 \text{ (Adjustment: None)}$



X = non-significant at p < 0.05 (Adjustment: None)

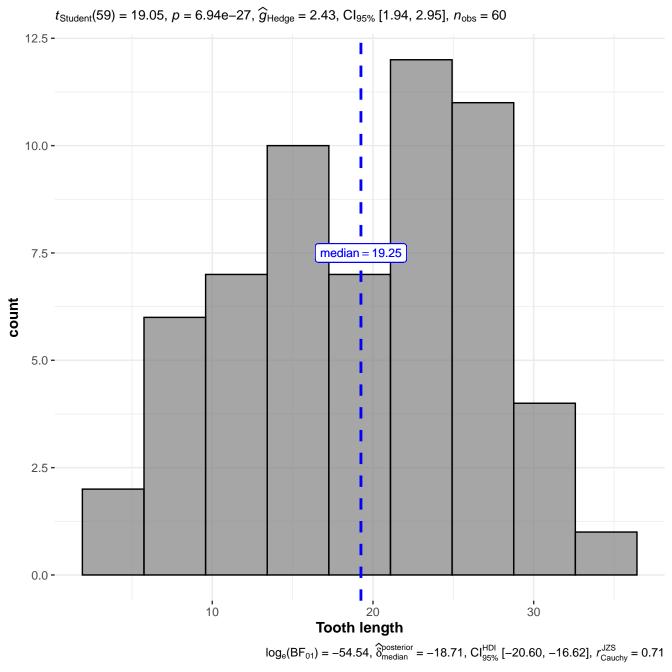
Fuel economy data

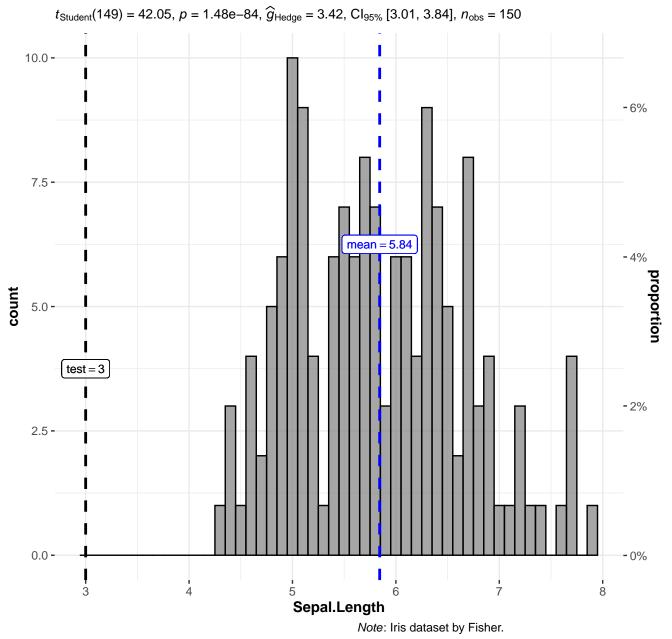
 $t_{\text{Student}}(14) = 1.47, p = 0.163, \hat{g}_{\text{Hedge}} = 0.36, \text{Cl}_{99\%} [-0.31, 1.04], n_{\text{obs}} = 15$



Source: EPA dataset on http://fueleconomy.gov

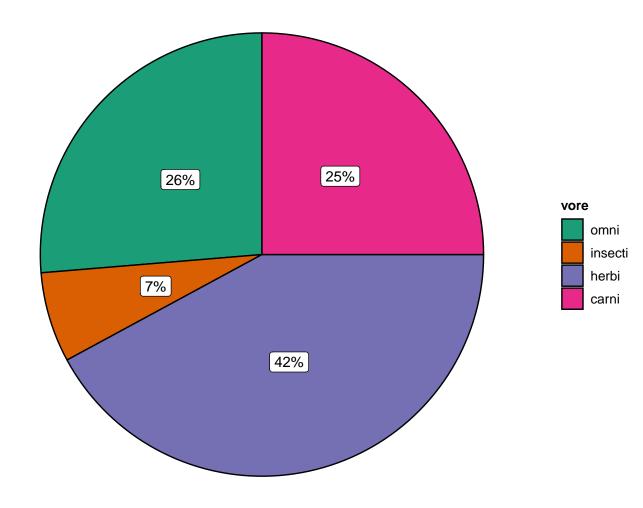
 $log_{e}(BF_{01}) = 0.44, \ \widehat{\delta}_{median}^{posterior} = -1.26, \ CI_{95\%}^{HDI} \ [-3.38, \ 0.80], \ r_{Cauchy}^{JZS} = 0.71$



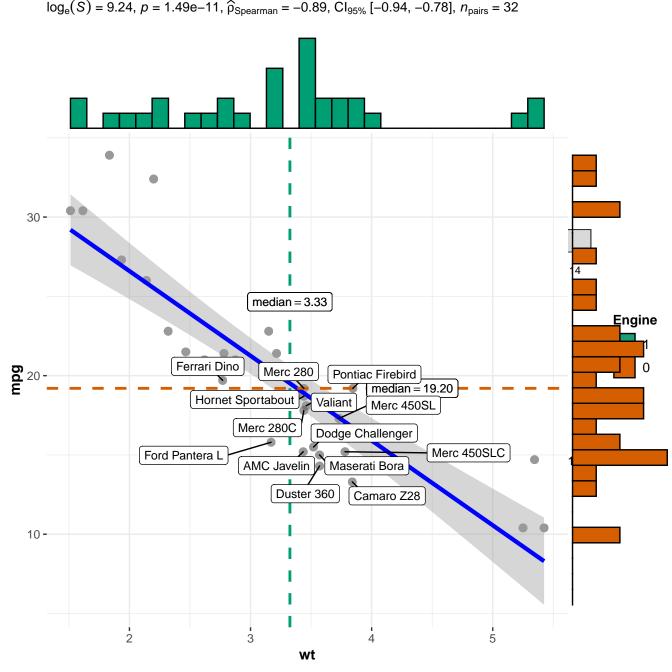


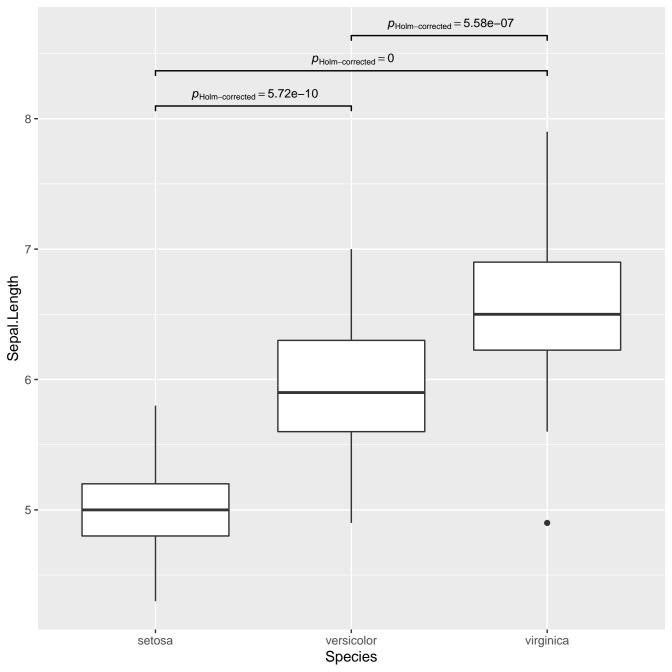
 $log_{e}(BF_{01}) = -186.14, \ \widehat{\delta}_{median}^{posterior} = -2.84, \ Cl_{95\%}^{HDI} \ [-2.97, \, -2.70], \ r_{Cauchy}^{JZS} = 0.80$

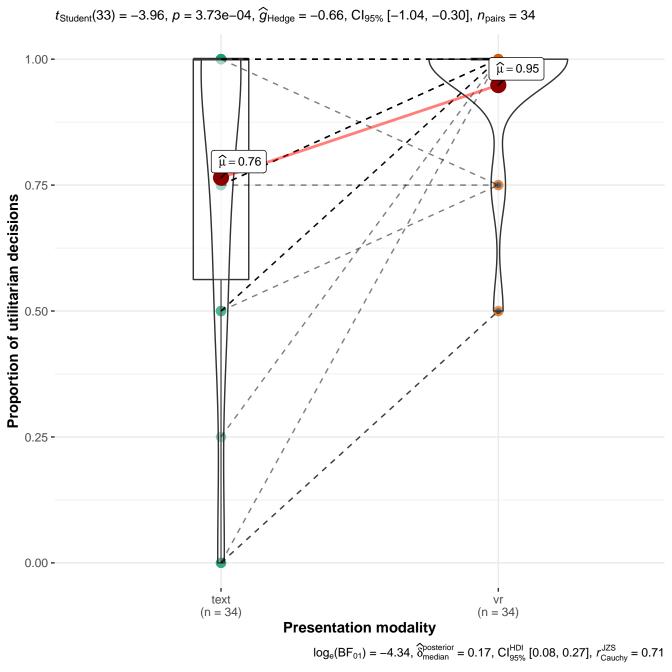
$$\chi^2_{\rm gof}(3) = 19.26, \, p = 2.41 {\rm e} - 04, \, \widehat{V}_{\rm Cramer} = 0.27, \, {\rm Cl}_{95\%} \, [0.11, \, 0.38], \, n_{\rm obs} = 76$$

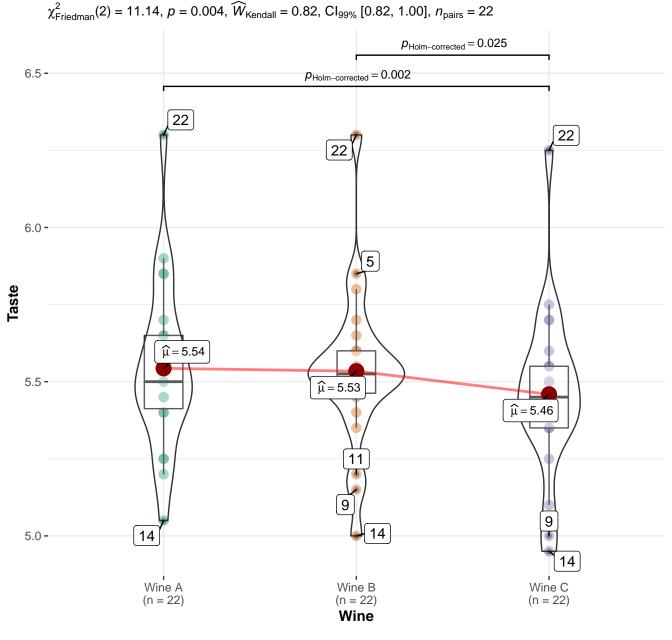


 $log_e(BF_{01}) = -3.74$, $a_{Gunel-Dickey} = 1.00$





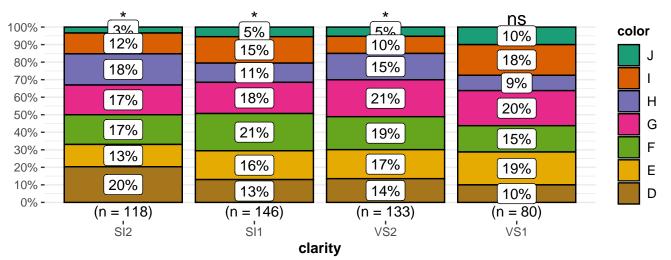




 $\label{pairwise test: Durbin-Conover test} Pairwise \ test: \ \textbf{Durbin-Conover test}; \ Comparisons \ shown: \ \textbf{only significant}$

Quality: Very Good

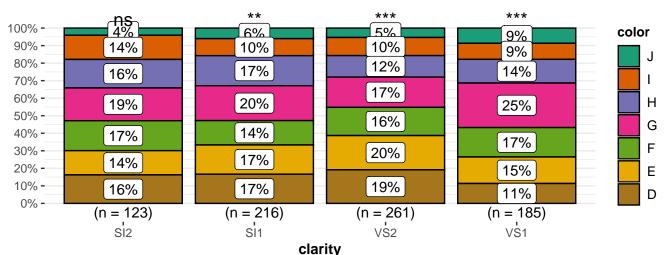
$$\chi^2_{\text{Pearson}}(18) = 17.95, \ p = 0.459, \ \widehat{V}_{\text{Cramer}} = 0.00, \ \text{Cl}_{95\%} \ [0.00, 0.00], \ n_{\text{obs}} = 477$$



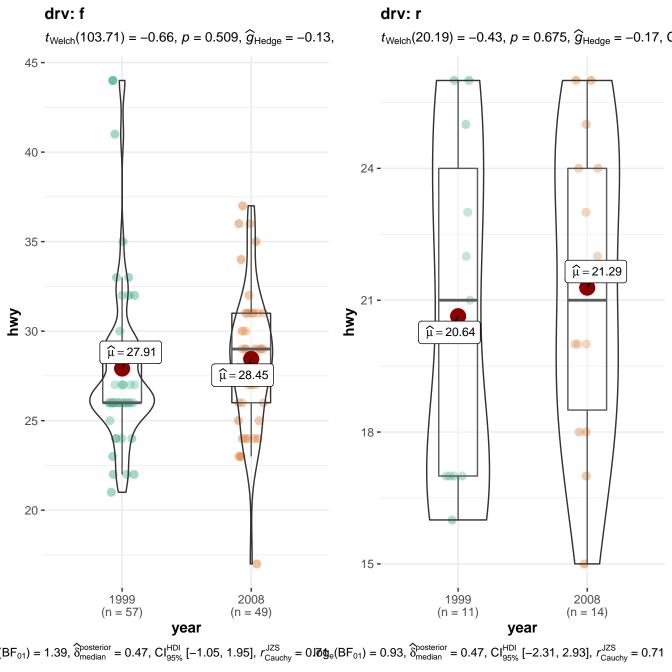
$$log_e(BF_{01}) = 16.13, a_{Gunel-Dickey} = 1.00$$

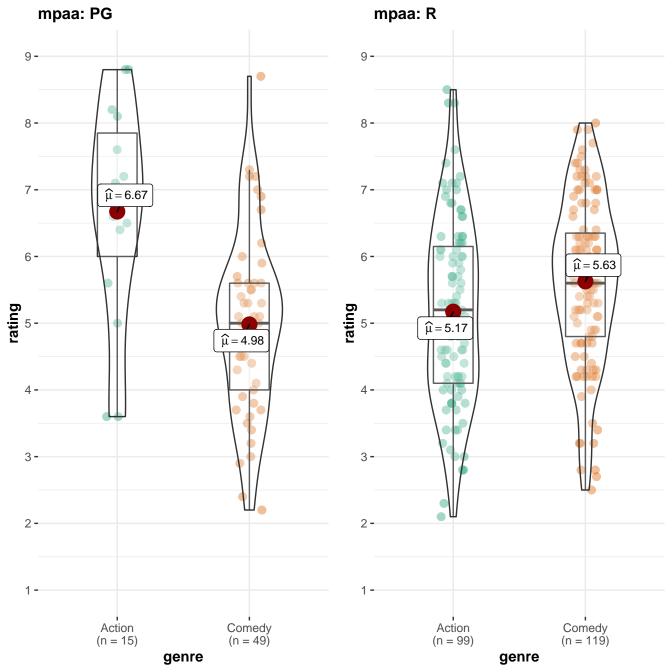
Quality: Ideal

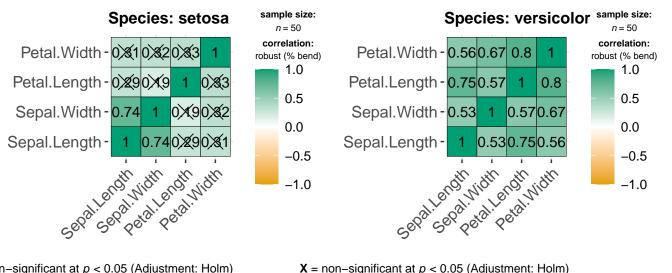
$$\chi^2_{\text{Pearson}}(18) = 17.85, p = 0.466, \hat{V}_{\text{Cramer}} = 0.00, \text{Cl}_{95\%} [0.00, 0.00], n_{\text{obs}} = 785$$



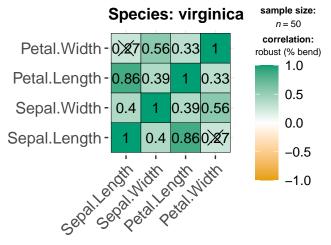
 $log_e(BF_{01}) = 20.36, a_{Gunel-Dickey} = 1.00$



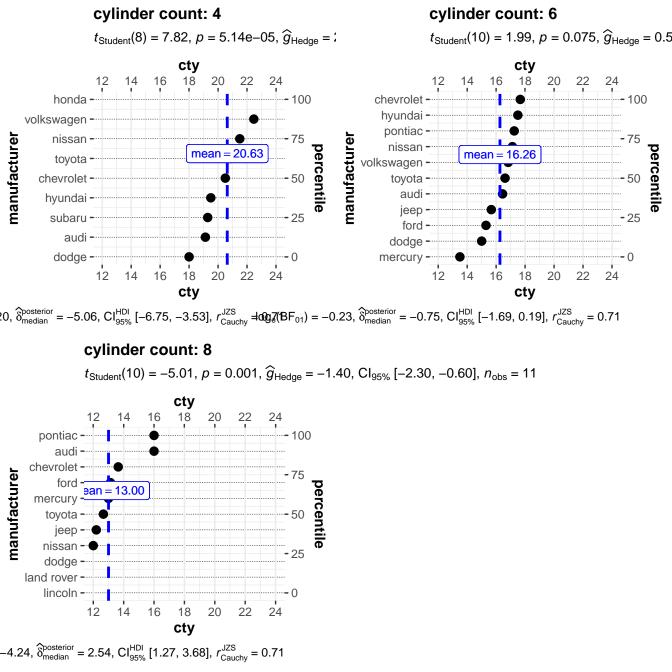


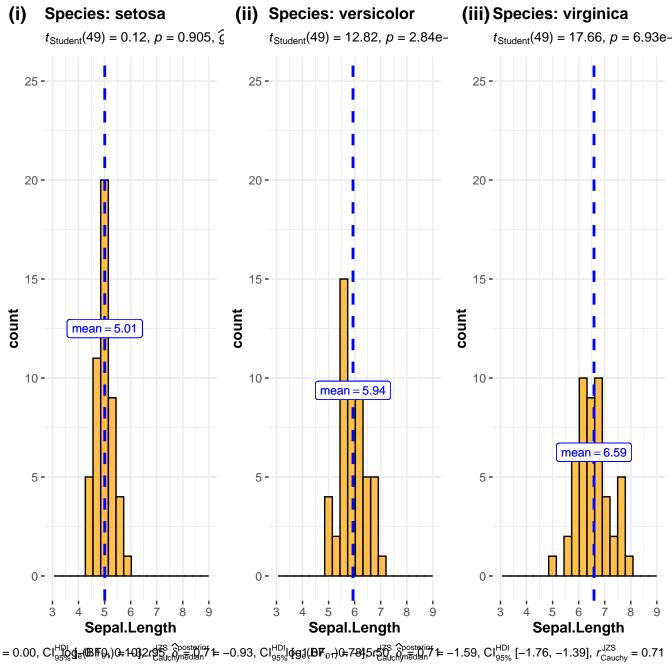






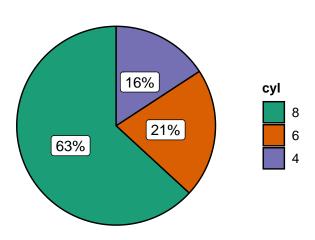
n-significant at p < 0.05 (Adjustment: Holm)





am: 0

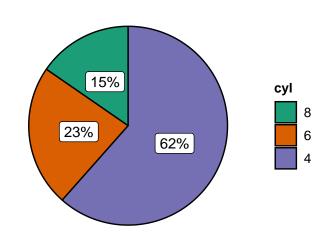
$$\chi_{\text{gof}}^{2}(2) = 7.68, \ p = 0.021, \ \widehat{V}_{\text{Cramer}} = 0.41, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \widehat{V}_{\text{Cramer}} = 0.35, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \widehat{V}_{\text{Cramer}} = 0.35, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \widehat{V}_{\text{Cramer}} = 0.35, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \widehat{V}_{\text{Cramer}} = 0.35, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \widehat{V}_{\text{Cramer}} = 0.35, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \widehat{V}_{\text{Cramer}} = 0.35, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \widehat{V}_{\text{Cramer}} = 0.35, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \widehat{V}_{\text{Cramer}} = 0.35, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \widehat{V}_{\text{Cramer}} = 0.35, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \widehat{V}_{\text{Cramer}} = 0.35, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \widehat{V}_{\text{Cramer}} = 0.35, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ p = 0.092, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi_{\text{gof}}^{2}(2) = 4.77, \ \text{Cl}_{95\%} \ [0.00, 0. \quad \chi$$



 $log_e(BF_{01}) = -0.16$, $a_{Gunel-Dickey} = 1.00$







 $log_e(BF_{01}) = 0.83, a_{Gunel-Dickey} = 1.00$

 $\chi^2_{\text{Pearson}}(42) = 55.71, \ p = 0.076, \ \widehat{V}_{\text{Cramer}} = 0.12, \ \text{Cl}_{95\%} \ [0.00, \ 0.00], \ n_{\text{Color}}$ Η G Ε $\log_{e}(BF_{01}) = -7.86, a_{Gunel-Dickey} = 1.00$ D **Quality: Very Good** $\chi^2_{\text{Pearson}}(42) = 64.05, p = 0.016, \hat{V}_{\text{Cramer}} = 0.06, \text{Cl}_{95\%} [0.00, 0.00], n_{\text{color}}$ Η G Ε

Quality: Fair

$log_e(BF_{01}) = 14.79, a_{Gunel-Dickey} = 1.00$

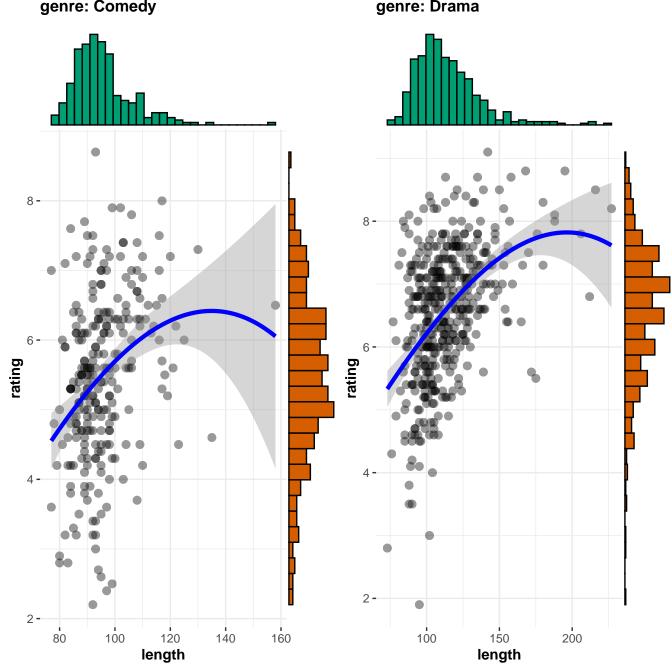
 $log_e(BF_{01}) = -25.04$, $a_{Gunel-Dickey} = 1.00$

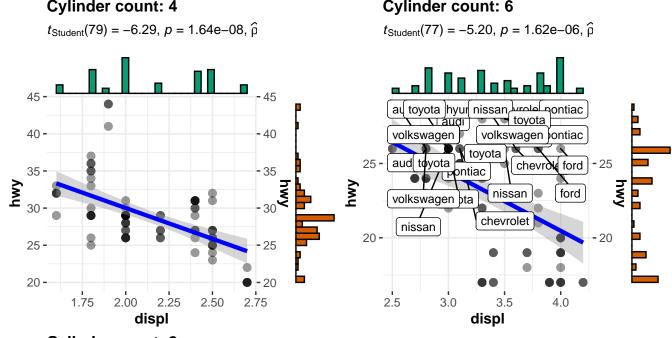
Quality: Ideal
$$\chi^2_{\text{Pearson}}(42) = 153.32, \ p = 1.38\text{e}-14, \ \widehat{V}_{\text{Cramer}} = 0.09, \ \text{Cl}_{95\%} \ [0.05, \ 0.00]$$

D

F Е

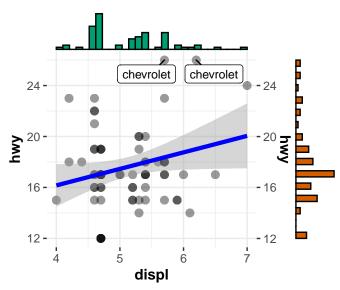
D

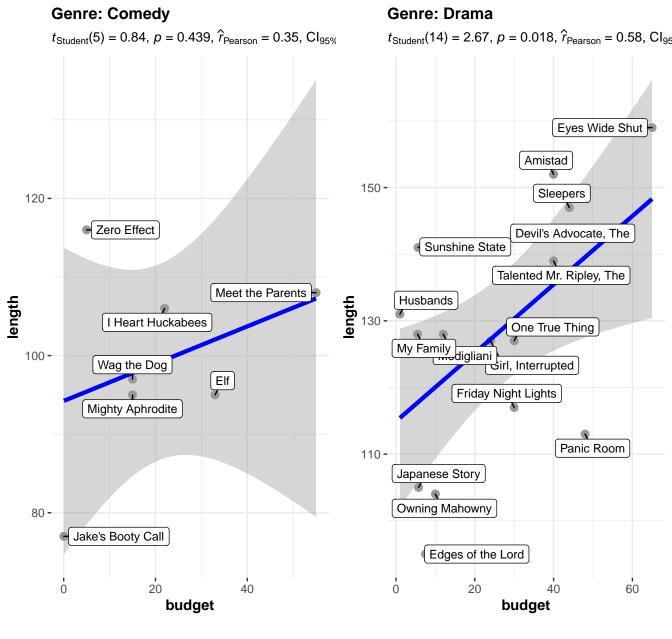




Cylinder count: 8

 $t_{\text{Student}}(68) = 1.01, p = 0.316, \hat{\rho}_{\text{pb}} = 0.316$





All movies have IMDB rating equal to 7.

