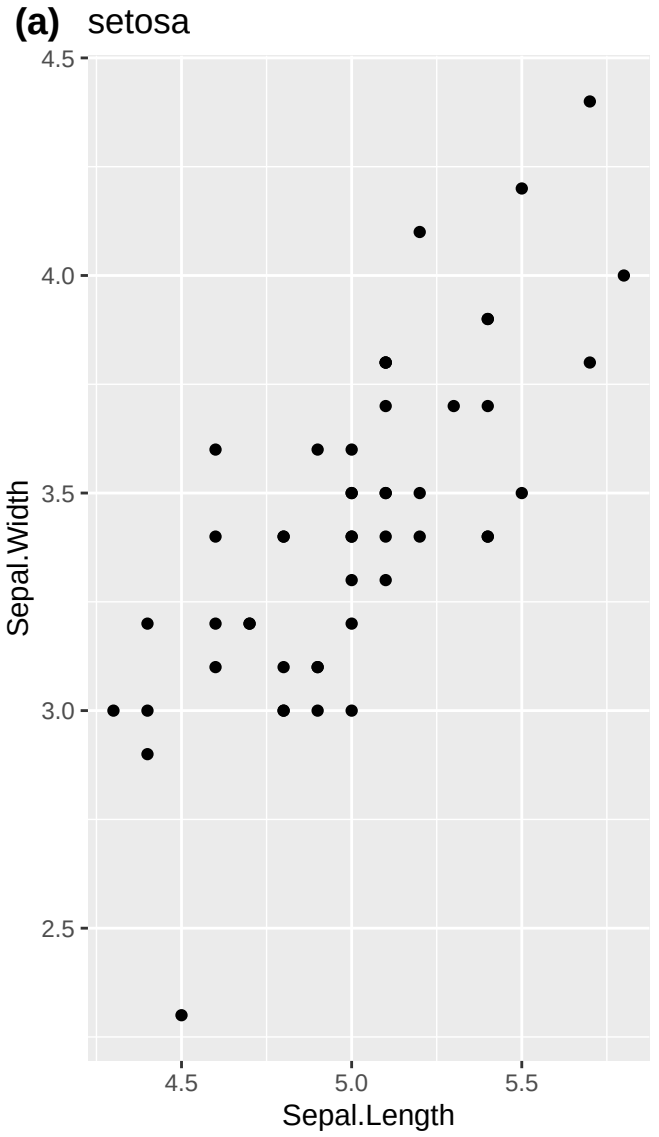
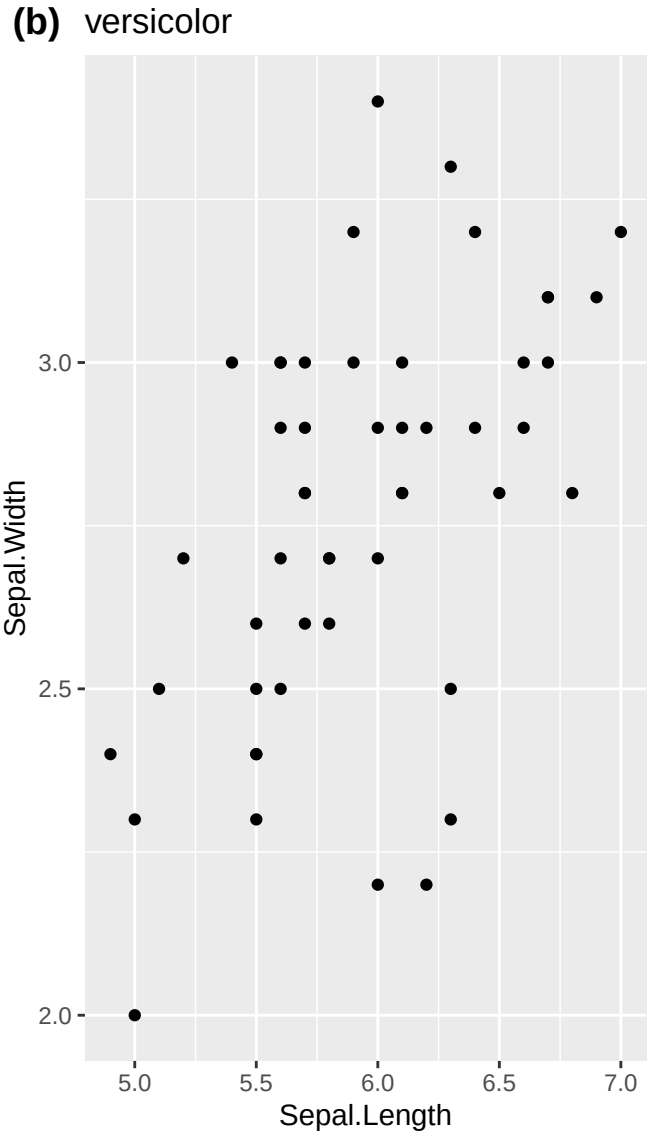
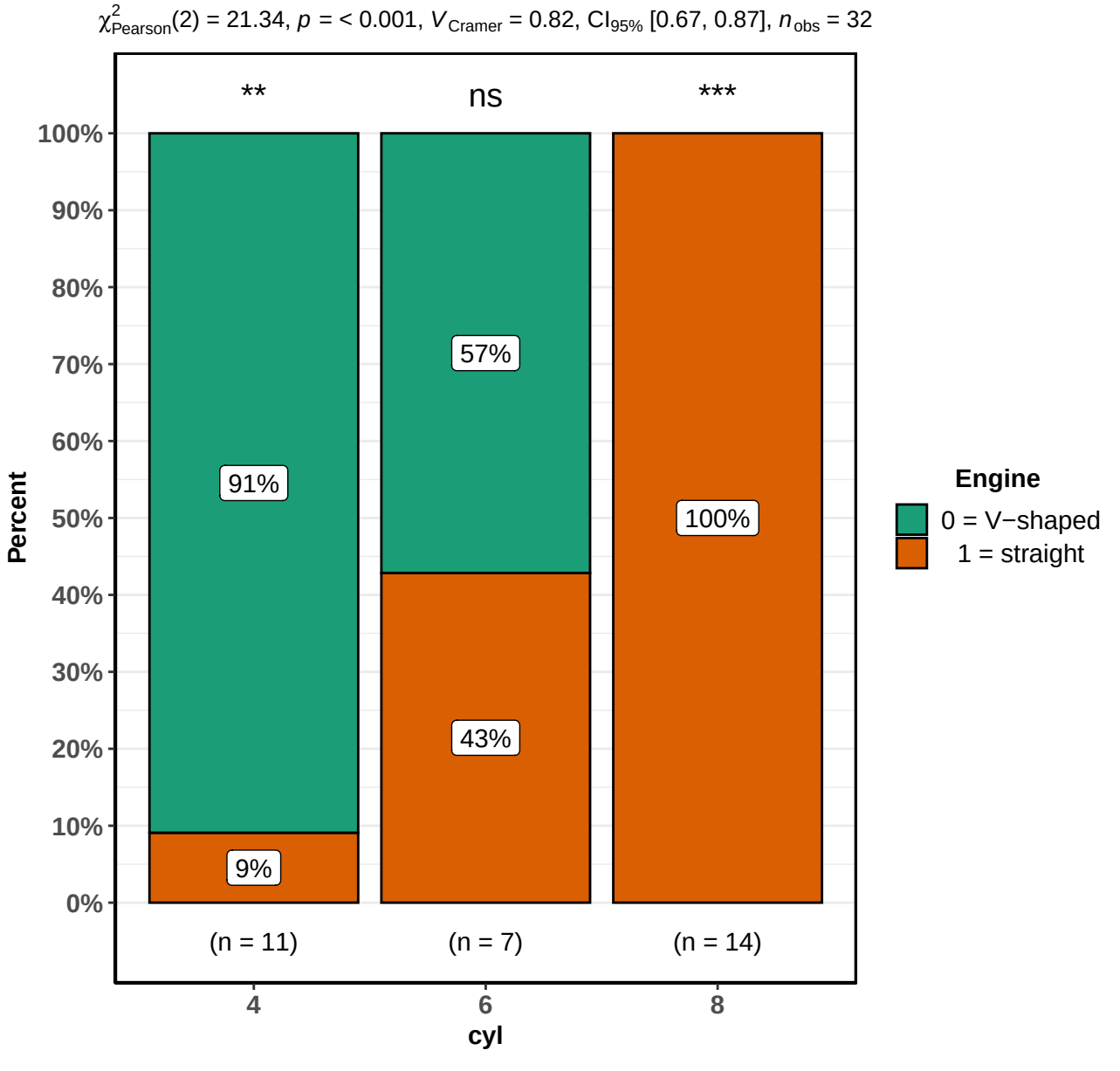
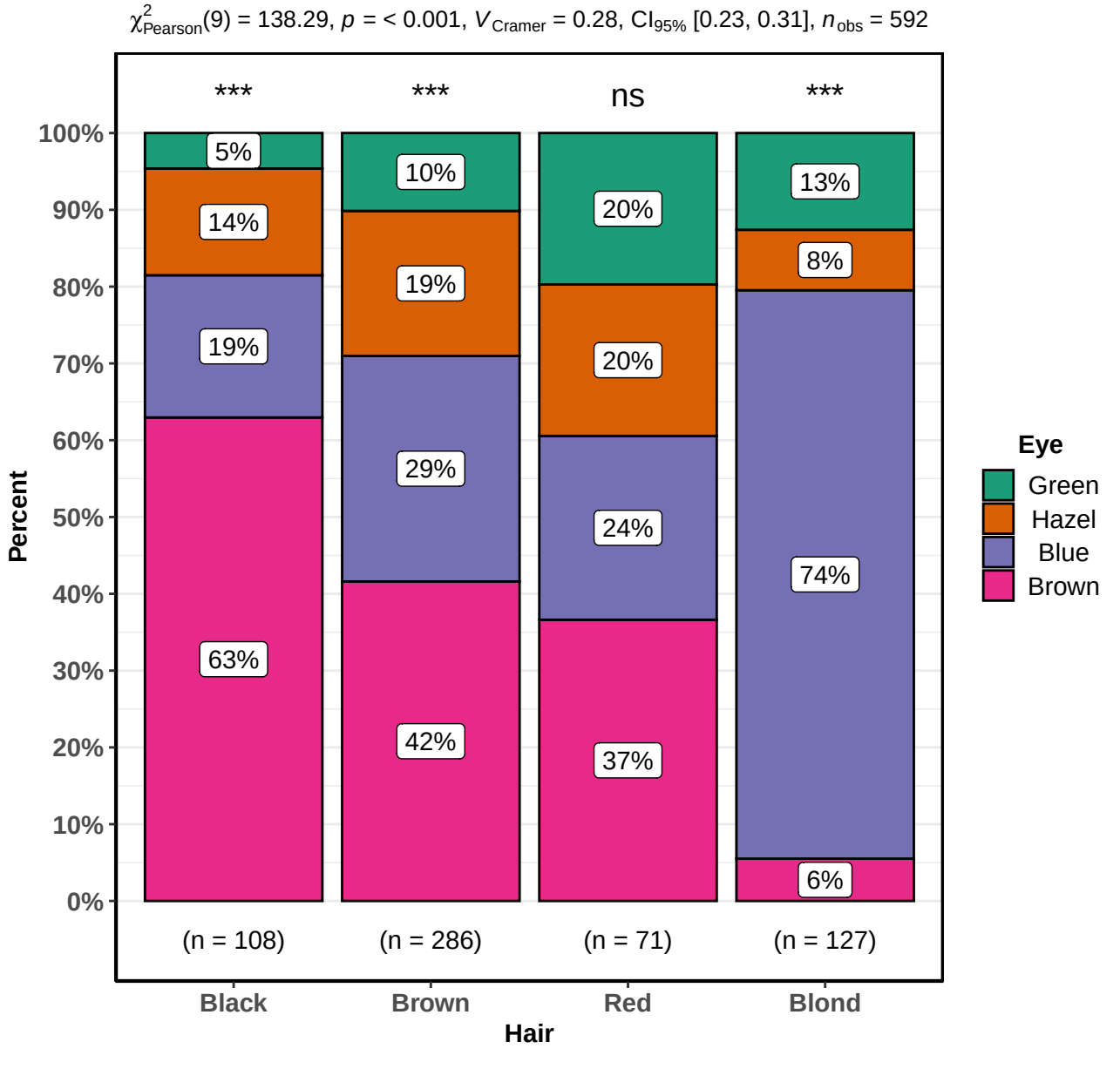
Dataset: Iris Flower dataset

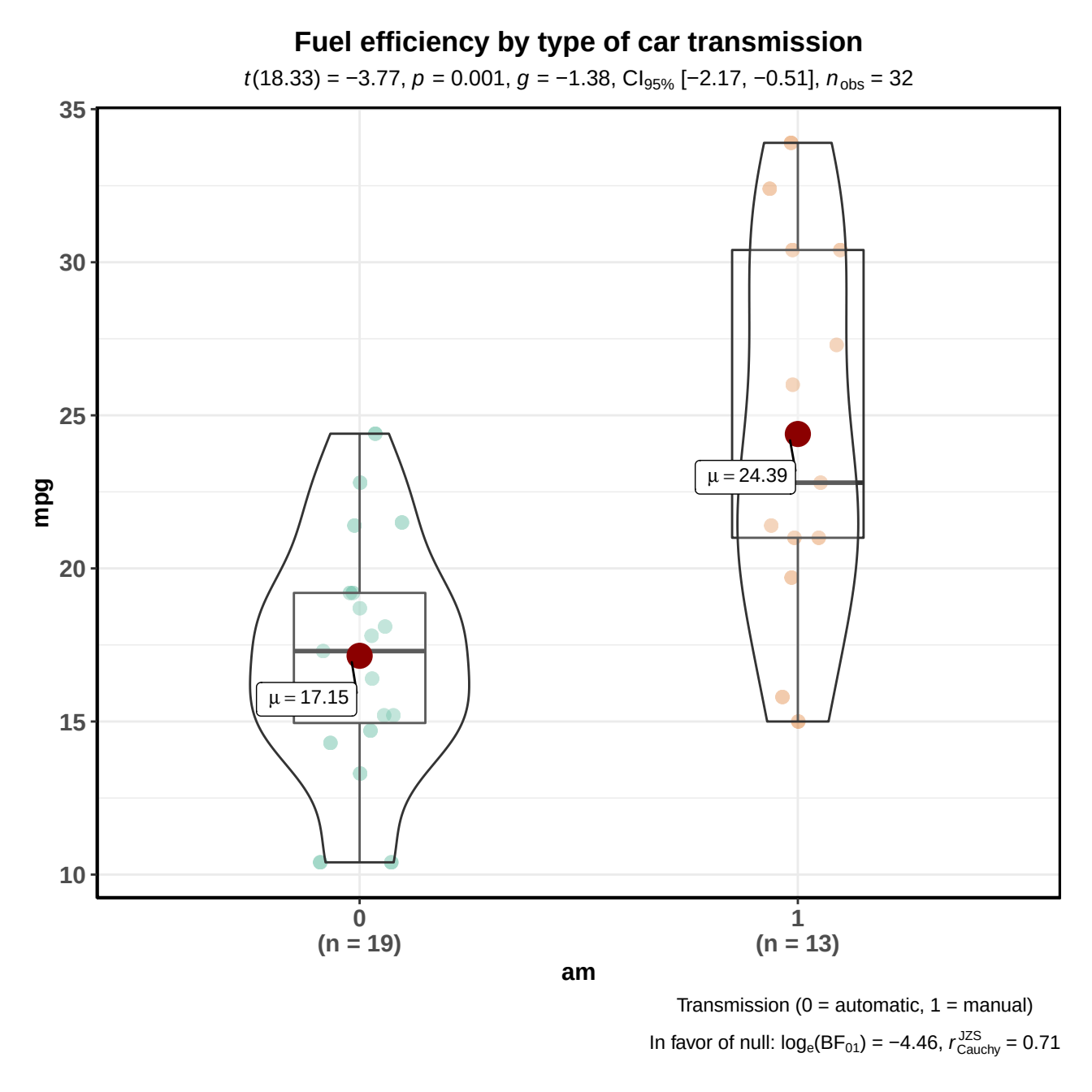


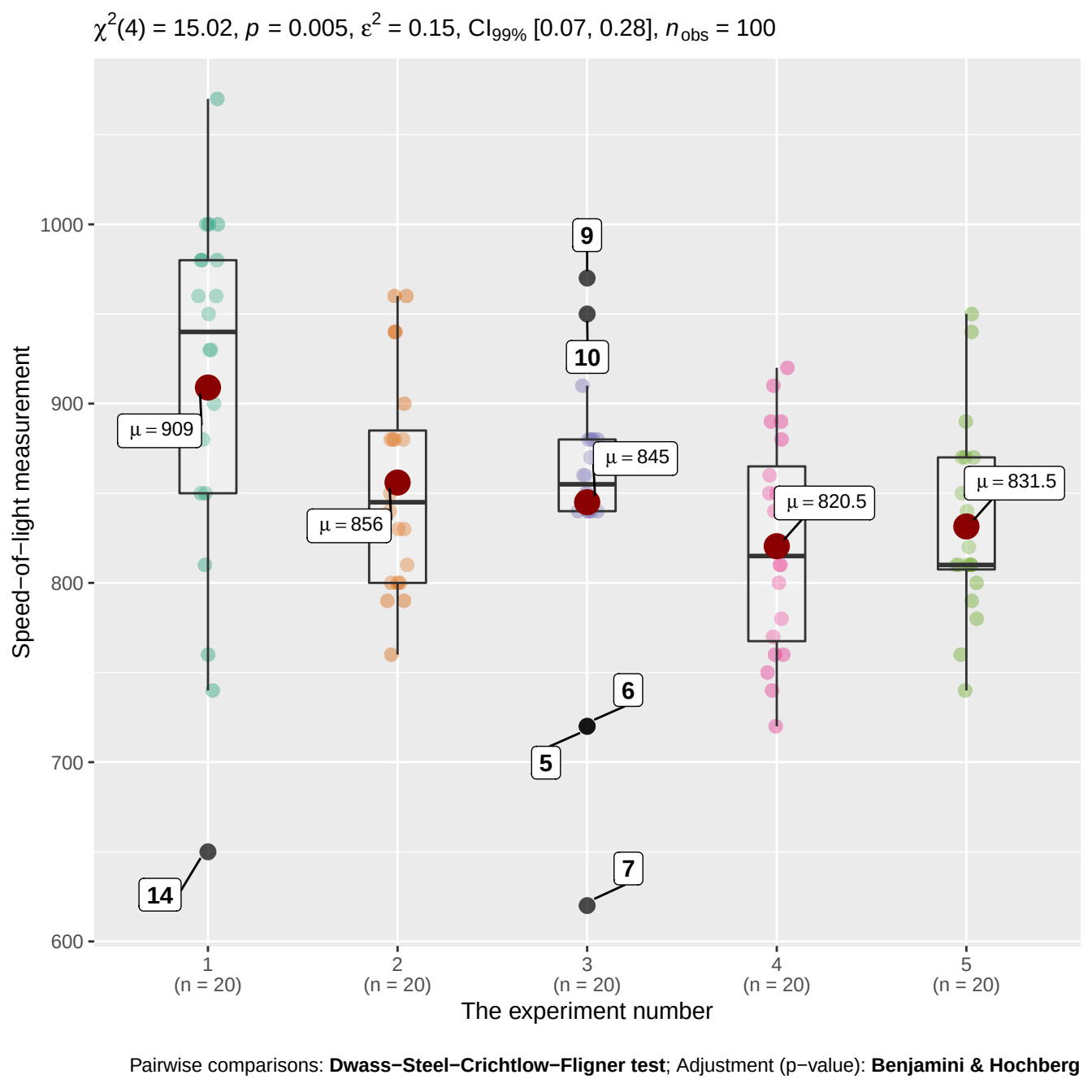


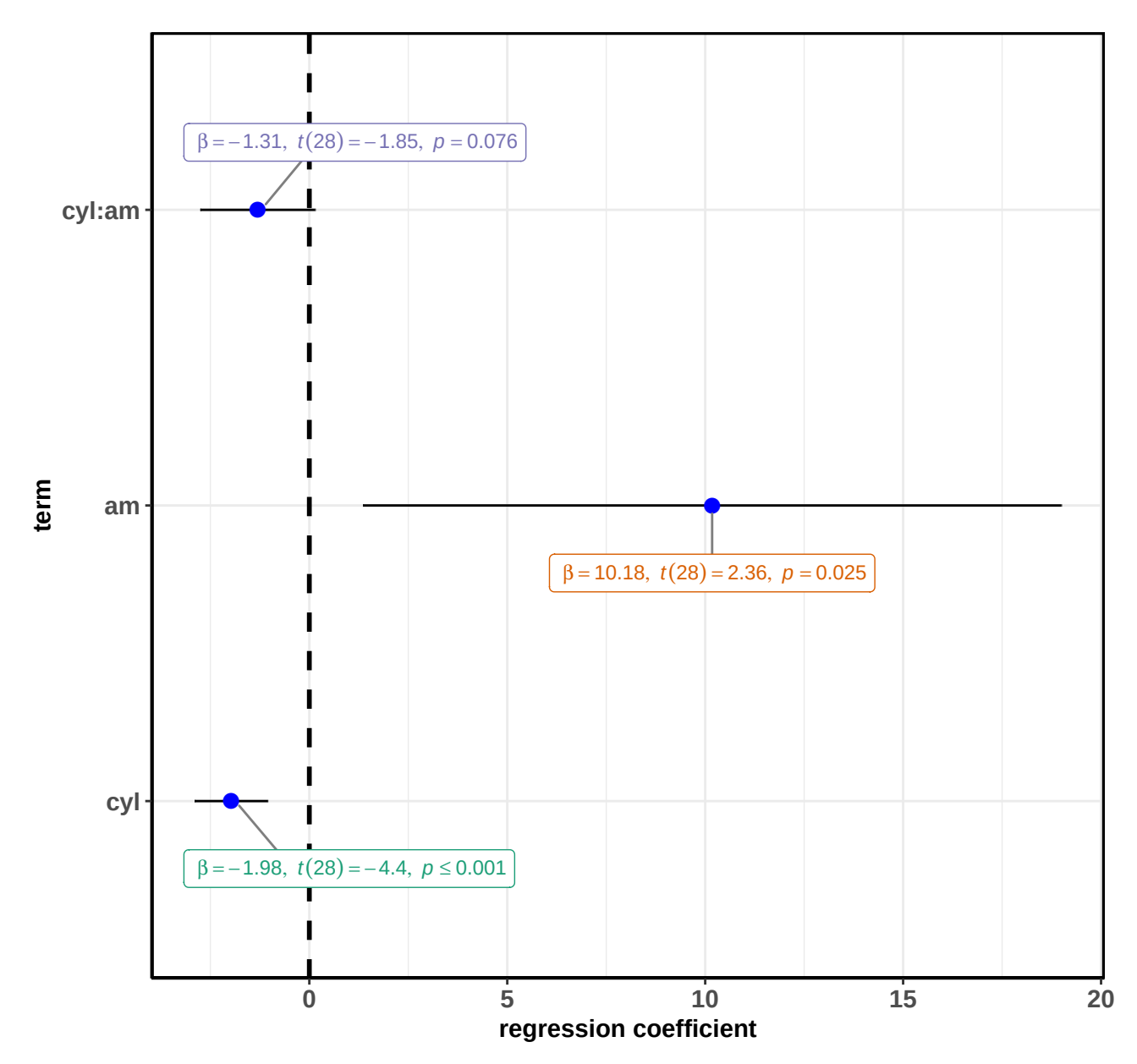
Note: Only two species of flower are displayed


$\chi^2_{Pearson}(2) = 21.34$, $p = < 0.001$, $V_{Cramer} = 0.82$, $CI_{95\%}$ [0.67, 0.87], $n_{obs} = 32$
**
ns
***
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Percent
91%
9%
57%
43%
100%
(n = 11)
(n = 7)
(n = 14)
4
6
8
cyl
Engine
0 = V−shaped
1 = straight
In favor of null: $\log_e(BF_{01}) = -10.31$, sampling = independent multinomial, $a = 1.00$

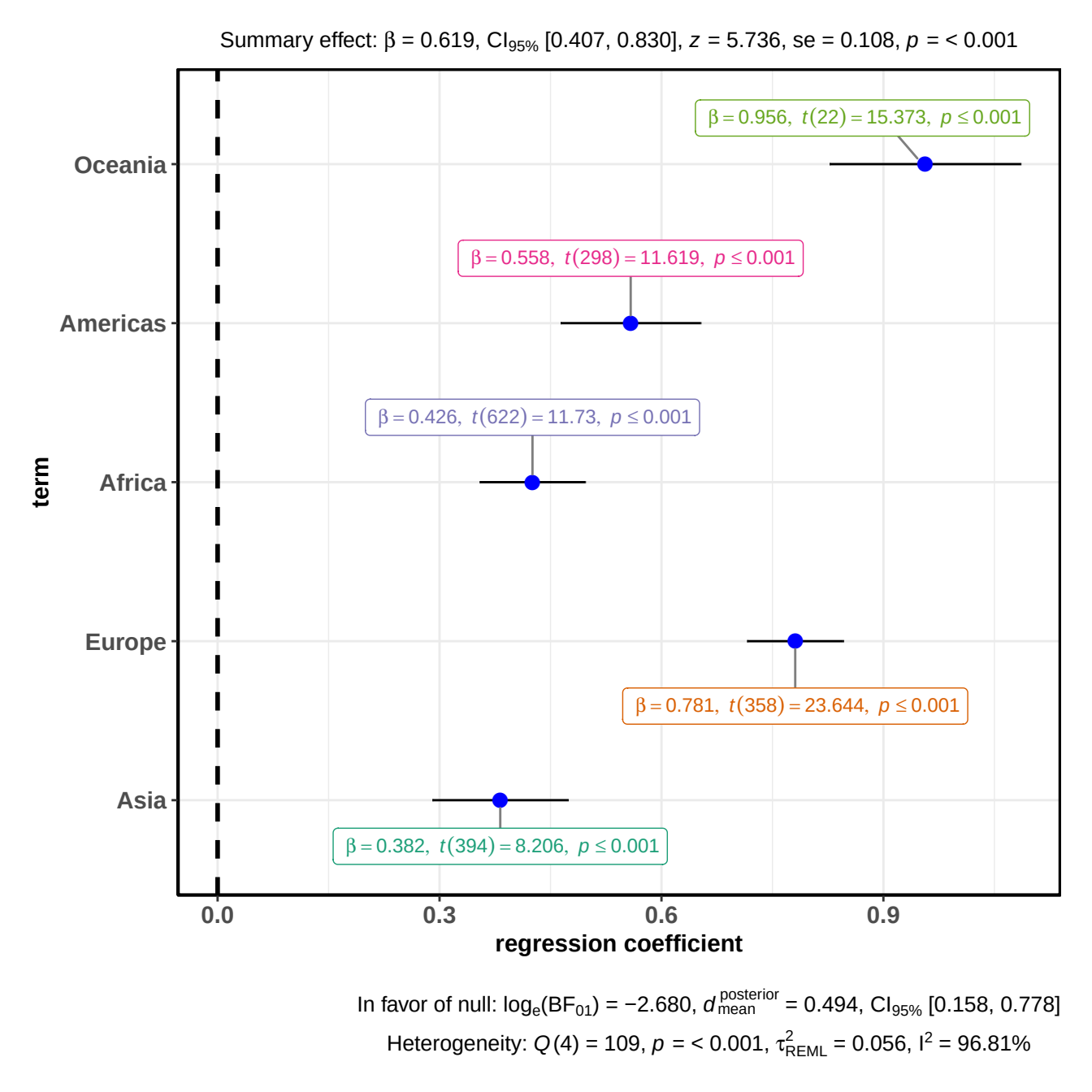

$\chi^2_{Pearson}(9) = 138.29$, $p = < 0.001$, $V_{Cramer} = 0.28$, $CI_{95\%}$ [0.23, 0.31], $n_{obs} = 592$
***
***
ns
***
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Percent
5%
14%
19%
63%
10%
19%
29%
42%
20%
20%
24%
37%
13%
8%
74%
6%
(n = 108)
(n = 286)
(n = 71)
(n = 127)
Black
Brown
Red
Blond
Hair
Eye
Green
Hazel
Blue
Brown
In favor of null: $\log_e(BF_{01}) = -56.78$, sampling = independent multinomial, $a = 1.00$


Fuel efficiency by type of car transmission
t(18.33) = −3.77, p = 0.001, g = −1.38, CI95% [−2.17, −0.51], nobs = 32
mpg
35
30
25
20
15
10
μ = 17.15
μ = 24.39
0
(n = 19)
1
(n = 13)
am
Transmission (0 = automatic, 1 = manual)
In favor of null: loge(BF01) = −4.46, r JZS Cauchy = 0.71


$\chi^2(4) = 15.02$, $p = 0.005$, $\varepsilon^2 = 0.15$, $CI_{99\%}$ [0.07, 0.28], $n_{obs} = 100$
Speed−of−light measurement
1000
900
800
700
600
μ = 909
μ = 856
μ = 845
μ = 820.5
μ = 831.5
9
10
6
5
7
14
1
(n = 20)
2
(n = 20)
3
(n = 20)
4
(n = 20)
5
(n = 20)
The experiment number
Pairwise comparisons: **Dwass−Steel−Crichtlow−Fligner test**; Adjustment (p−value): **Benjamini & Hochberg**



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


Summary effect: β = 0.619, CI95% [0.407, 0.830], z = 5.736, se = 0.108, p = < 0.001
β = 0.956, t(22) = 15.373, p ≤ 0.001
β = 0.558, t(298) = 11.619, p ≤ 0.001
β = 0.426, t(622) = 11.73, p ≤ 0.001
β = 0.781, t(358) = 23.644, p ≤ 0.001
β = 0.382, t(394) = 8.206, p ≤ 0.001
Oceania
Americas
Africa
Europe
Asia
term
0.0
0.3
0.6
0.9
regression coefficient
In favor of null: log_e(BF_01) = −2.680, d^posterior_mean = 0.494, CI95% [0.158, 0.778]
Heterogeneity: Q(4) = 109, p = < 0.001, τ²_REML = 0.056, I² = 96.81%