body_mass_g $\widehat{\mu}_{mean} = 5076.02$ 5000 -4000 - $\widehat{\mu}_{mean} = 3733.09$ $\widehat{\mu}_{mean} = 3700.66$ 3000 -Adelie Gentoo Chinstrap (n = 151)(n = 68)(n = 123)

species

 $p_{\text{Holm-corrected}} = 6.73e - 1\overline{4}$

 $p_{\text{Holm-corrected}} = 0$

 $log_e(BF_{01}) = -181.11$, $\widehat{R}^{2posterior}_{Bayesian} = 0.67$, $Cl_{95\%}^{HDI}$ [0.63, 0.70], $r_{Cauchy}^{JZS} = 0.71$

Pairwise test: Games-Howell test; Comparisons shown: only significant

 $F_{\text{Welch}}(2,189.48) = 317.57, p = 3.09e-61, \widehat{\omega_p^2} = 0.77, \text{Cl}_{95\%}[0.71, 0.81], n_{\text{obs}} = 342$

7000 -

6000 -