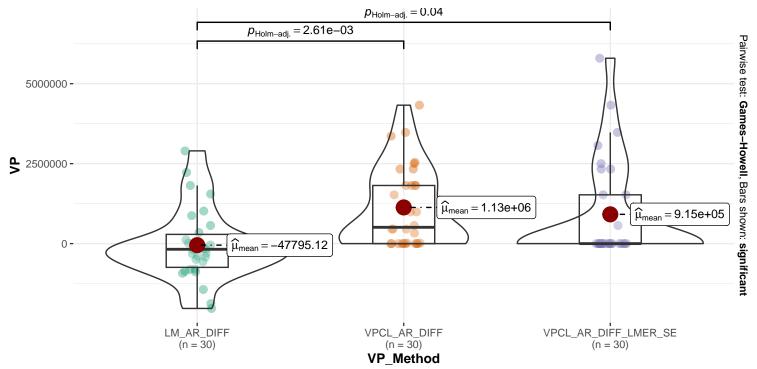
Comparison of LM, VIPCAL and VIPCAL_SE

Population: c_Viruses

Welch test: LM vs VIPCAL vs VIPCAL_SE

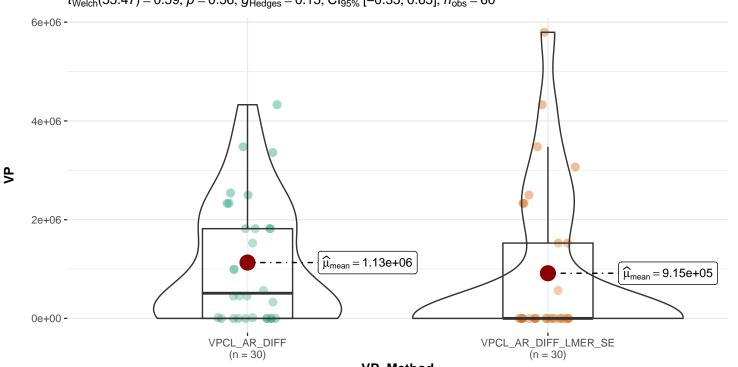
$$F_{\text{Welch}}(2,57) = 8.26, p = 7.08e - 04, \widehat{\omega_{\text{p}}^2} = 0.19, \text{Cl}_{95\%}[0.05, 1.00], n_{\text{obs}} = 90$$



$log_{e}(BF_{01}) = -2.75$, $\widehat{R^{2}}_{Bayesian}^{posterior} = 0.12$, $Cl_{95\%}^{HDI}$ [0.00, 0.22], $r_{Cauchy}^{JZS} = 0.71$

Welch test: VIPCAL vs VIPCAL_SE

 $t_{\text{Welch}}(55.47) = 0.59, p = 0.56, \widehat{g}_{\text{Hedges}} = 0.15, \text{Cl}_{95\%} [-0.35, 0.65], n_{\text{obs}} = 60$



VP Method

 $log_e(BF_{01}) = 1.19$, $\hat{\delta}_{difference}^{posterior} = 1.90e+05$, $Cl_{95\%}^{ETI}$ [-4.59e+05, 8.47e+05], $r_{Cauchy}^{JZS} = 0.71$