Results

MANOVA

MANOVA

MANOVA: Pillai Test

Cases	df	Approx. F	$Trace_{Pillai}$	Num df	Den df	p
(Intercept)	1	50770.365	1.000	2	35.000	2.526×10^{-61}
Ins_dose	2	19.420	1.038	4	72.000	7.113×10^{-11}
Gln_dose	2	17.612	0.989	4	72.000	4.042×10^{-10}
Ins_dose ✻ Gln_dose	4	7.056	0.879	8	72.000	7.671×10^{-7}
Residuals	36					

MANOVA: Wilks Test

Cases	df	Approx. F	Wilks' Λ	Num df	Den df	p
(Intercept)	1	50770.365	3.446×10^{-4}	2	35.000	2.526×10^{-61}
Ins_dose	2	146.518	0.011	4	70.000	3.118×10^{-33}
Gln_dose	2	58.993	0.052	4	70.000	1.063×10^{-21}
Ins_dose ✻ Gln_dose	4	15.509	0.130	8	70.000	7.308×10^{-13}
Residuals	36					

MANOVA: Hotelling-Lawley Test

Cases	df	Approx. F	$Trace_{H\text{-}L}$	Num df	Den df	p
(Intercept)	1	50770.365	2901.164	2	35.000	2.526×10^{-61}
Ins_dose	2	701.324	82.509	4	68.000	1.796×10^{-54}
Gln_dose	2	147.169	17.314	4	68.000	1.031×10^{-32}
Ins_dose ✻ Gln_dose	4	28.121	6.617	8	68.000	9.792×10^{-19}
Residuals	36					

MANOVA: Roy Test

Cases	df	Approx. F	Largest Root	Num df	Den df	p
(Intercept)	1	50770.365	2901.164	2	35.000	2.526×10^{-61}
Ins_dose	2	1484.211	82.456	2	36.000	2.593×10^{-35}
Gln_dose	2	310.826	17.268	2	36.000	1.948×10^{-23}
Ins_dose ✻ Gln_dose	4	59.456	6.606	4	36.000	2.290×10^{-15}
Residuals	36					

Bayesian ANOVA

Model Comparison

Models	P(M)	P(M|data)	BF_M	BF_{10}	error %
Null model	0.200	1.176×10^{-30}	4.703×10^{-30}	1.000	
Ins_dose + Gln_dose + Ins_dose ✻ Gln_dose	0.200	1.000	$2.176\times10^{+11}$	$8.505\times10^{+29}$	1.611
Ins_dose + Gln_dose	0.200	1.839×10^{-11}	7.354×10^{-11}	$1.564\times10^{+19}$	1.150
Ins_dose	0.200	1.537×10^{-19}	6.146×10^{-19}	$1.307\times10^{+11}$	4.440×10^{-6}
Gln_dose	0.200	2.986×10^{-30}	1.194×10^{-29}	2.539	0.008

ANOVA

ANOVA - BS

Cases	Sum of Squares	df	Mean Square	F	p
Ins_dose	4.912	2	2.456	1394.824	7.822×10^{-35}
Gln_dose	1.027	2	0.513	291.580	5.768×10^{-23}
Ins_dose ✻ Gln_dose	0.376	4	0.094	53.355	1.212×10^{-14}
Residuals	0.063	36	0.002		

Note. Type III Sum of Squares