

paste from pivot		clear all		n	p	c count	x count	SAS	alpha	Transform dimensions	Ty_row	Tx_row	Copy Working Data	MANOVA PARAM	g	a	b	r	t	q	s	h	m1	m2	d	c			
				150	2	1	2		0.05		2	2			5	145	4	145.5	2	3	2	4	0.5	71	1.05015	1.418327			
1	y/x/c→	y	y	c	x	x	Put an "x" to select as a regressor→										x	x	x	x	Predicted	Predicted	Residual	Residual					
header→		sl	sw	species	pw	pl	Working Data	sl	sw	species	3	pw	pl	species1	species2	sl	sw	5	sl	sw									
		50	33	setosa	2	14	50	33	setosa	2	14	1	0	49.50107	33.89732	0.498929	-0.897316												
		46	34	setosa	3	14	46	34	setosa	3	14	1	0	49.49508	34.52076	-3.495076	-0.520762												
		46	36	setosa	2	10	46	36	setosa	2	10	1	0	45.87729	33.27861	0.122712	2.721387												
		51	33	setosa	5	17	51	33	setosa	5	17	1	0	52.20092	36.23168	-1.200923	-3.23168												
		55	35	setosa	2	13	55	35	setosa	2	13	4	1	0	48.59513	33.74264	6.404874	1.25736											
		48	31	setosa	2	16	48	31	setosa	2	16	1	0	51.31296	34.20667	-3.312963	-3.206667												
		52	34	setosa	2	14	52	34	setosa	2	14	1	0	49.50107	33.89732	2.498929	0.102684												
		sl	sw		pw	pl	Intercept																						
		1	0		1	0	Beta for Ty1	15.70335	-0.005995	0.905946	21.12647	5.142853			0.836725	185.7687	4	145	5.33E-56										
		0	1		0	1	sd	3.823466	0.15626	0.074311	3.040243	1.24935																	
							Beta for Ty2	8.521399	0.623446	0.154676	21.96357	4.322529			0.551059	44.49563	4	145	2.49E-24										
							sd	3.337188	0.136386	0.06486	2.653578	1.090454																	
MANOVA																													
Ty Overall Mean		58.43333	30.57333			Wilks' Lambda		df1	8	Bartlett-Nanda-Pillai Trace		df1	8	Hotelling-Lawley Trace		df1	8	Roy's Greatest Root		df1	4								
								df2	288			df2	290			df2	203.4024			df2	145								
E - CSSP		1668.149	630.1823					stat	0.060404			stat	1.351263			stat	8.739986			stat	7.874503								
		630.1823	1270.813					Fval	110.4772			Fval	75.50567			Fval	222.2168			Fval	285.4508								
								pvalue	3.86E-83			pvalue	2.08E-66			pvalue	5.13E-96			pvalue	1.19E-67								
H - CSSP		8548.684	-1262.449																										
		-1262.449	1559.88																										