>> LS Regression

RMSE for Multi Variate Regression: 0.622037, 1.556891

Goodness of fit for Multi Variate Regression: 80.370176%, 98.780781%

RMSE for Least Squares Regression: 0.622037, 1.556891

Goodness of fit for Least Squares Regression: 80.370176%, 98.780781%

Goodness of fit for Bayesian Least Squares Regression: 79.421044%, 101.376975%

RMSE for Bayesian Least Squares Regression: 0.658785, 1.265203

A =

1.0e-09 *

0.3958 -0.0099 -0.0099 0.0199

B =

1.4979

		Mean	Std	CI	95	Positive 🗸		
Distribution	on							,
								k
Intercept 6)	I	0	70.7107	[-141.273,	141.273]	0.500	t (0.00,	57.74^2, ∠
s-EMG1 ^2, 6)	I	0	2.2361e+05	[-446742.939,	446742.939]	0.500	t (0.00,	182574.19 ∠
	I	0	2.2361e+05	[-446742.939,	446742.939]	0.500	t (0.00,	182574.19 🗹
s-EMG3 ^2, 6)	I	0	2.2361e+05	[-446742.939,	446742.939]	0.500	t (0.00,	182574.19 🗹
s-EMG4 ^2, 6)	I	0	2.2361e+05	[-446742.939,	446742.939]	0.500	t (0.00,	182574.19 🗹
s-EMG5 ^2, 6)	I	0	2.2361e+05	[-446742.939,	446742.939]	0.500	t (0.00,	182574.19 🗹
s-EMG6 ^2, 6)	I	0	2.2361e+05	[-446742.939,	446742.939]	0.500	t (0.00,	182574.19 🗹
s-EMG7 ^2, 6)	I	0	2.2361e+05	[-446742.939,	446742.939]	0.500	t (0.00,	182574.19 🗹
s-EMG8 ^2, 6)	I	0	2.2361e+05	[-446742.939,	446742.939]	0.500	t (0.00,	182574.19 🗹
	I	0	2.2361e+05	[-446742.939,	446742.939]	0.500	t (0.00,	182574.19 🗹
• •	I	0	2.2361e+05	[-446742.939,	446742.939]	0.500	t (0.00,	182574.19 🗹
	1	0.5000	0.5000	[0.138,	1.616]	1.000	IG(3.00,	1)

Method: Analytic posterior distributions

Number of observations: 1350 Number of predictors: 11

Log marginal likelihood: -1186.12

	Mean	Std	CI	95	Positive 🗸	•
Distributio	on 					,
						L
	0.4754	0.1616	[0.159,	0.792]	0.998	t (0.48, 🗸
0.16^2,1.46	e+03)					
s-EMG1	17012.0297	3023.0381	[11086.066,	22937.994]	1.000	t 🗸
	3020.81 ² ,1.4e+03					
	-28273.7211		[-34436.686,	-22110.756]	0.000	t 🖍
	3141.62^2,1.4e+0			4645 0043	0.000	
	-7961.6989		[-11278.174,	-4645.224]	0.000	t 🗸
	1690.60^2,1.4e+03		[11228.691,	14700 1001	1 000	t 🗹
	905.70 ² ,1.4e+03)		[11220.091,	14/02.122]	1.000	L E
			[-7590.756,	-1986 9521	0 000	t 🗸
	1428.29 ² ,1.4e+03		[/030./00/	1300.302,	0.000	
	-48691.8348		[-78304.357,	-19079.313]	0.001	t 🗹
(-48691.83,	, 15095.22 ² ,1.4e+	+03)				
s-EMG7	-1.2355e+05	11641.1346	[-146368.817,	-100729.335]	0.000	t 🗹
	3, 11632.55^2,1.4					
	-14774.3727		[-19552.520,	-9996.226]	0.000	t 🗹
	, 2435.70 ² ,1.4e+0					,
	44616.5698		[-67577.747,	156810.887]	0.782	t 🖍
	57191.96^2,1.4e+0		[75622 624	02024 6111	1 000	t 🗸
	84228.6170 4386.97^2,1.4e+03		[/5022.024,	92834.011]	1.000	t k
	0.3146		[0 292	0 3391	1 000	IG ∠
(678.00, 0.		0.0121	[0.232)	0.000]	1.000	10 -
(,					
	Mean	Std	CI	95	Positive 🗸	•
Distributio						
						<i>L</i>
	0.4754	0 1616	[0.159,	0 7001	0 000	+ 10 10 1/
0.16^2,1.4e	0.4754	0.1616	[0.159,	0.792]	0.998	t (0.48, ₺
	17012.0297	3023 0381	[11086.066,	22937 9941	1.000	t 🗸
	3020.81 ² ,1.4e+03		[11000.000,	22337.334]	1.000	C L
	-28273.7211	3143.9405	[-34436.686,	-22110.756]	0.000	t 🗹
	3141.62^2,1.4e+0		,	,		
	-7961.6989	1691.8478	[-11278.174,	-4645.224]	0.000	t 🖍
(-7961.70,	1690.60^2,1.4e+03	3)				
s-EMG4	13005.4060	906.3637	[11228.691,	14782.122]	1.000	t 🗹
	905.70 ² ,1.4e+03)					
	-4788.8540	1429.3467	[-7590.756,	-1986.952]	0.000	t 🖍
	1428.29 ² ,1.4e+03			400=0		
s-EMG6	-48691.8348	15106.3658	[-78304.357,	-19079.313]	0.001	t 🖍

(-48691.83, 15095.22^2,1.4e+03)								
s-EMG7 -1 .	2355e+05 11641.1	346 [-146368.817]	-100729.335]	0.000	t 🖍			
(-123549.08, 11632.5	5^2,1.4e+03)							
s-EMG8 -14774.	3727 2437.4	971 [-19552.520]	-9996.226]	0.000	t 🗹			
(-14774.37, 2435.70 ² ,1.4e+03)								
s-EMG11 44616.	5698 57234.1	797 [-67577.747]	156810.887]	0.782	t 🗹			
(44616.57, 57191.96 ² ,1.4e+03)								
s-EMG12 84228.	6170 4390.2	133 [75622.624]	92834.611]	1.000	t 🖍			
(84228.62, 4386.97^2	,1.4e+03)							
Sigma2 0.	3146 0.0	121 [0.292	0.339]	1.000	IG≰			
(678.00, 0.0047)								

Method: Analytic posterior distributions

Number of observations: 1350 Number of predictors: 11

Log marginal likelihood: -2361.96

 Distribution	Mean	Std	CI	95	Positive Ľ	•	
						∠	
		_					
Intercept	-2.6966	0.3847	[-3.451,	-1.942]	0.000	t 🗹	
(-2.70, 0.38^2,1	.4e+03)						
s-EMG1 -4	474.8901	7195.0966	[-18579.206,	9629.426]	0.267	t 🖍	
(-4474.89, 7189.							
s-EMG2 -25			[-40372.173,	-11035.374]	0.000	t 🗹	
(-25703.77, 7477							
s-EMG3 72			[65089.264,	80876.267]	1.000	t 🗹	
(72982.77, 4023.							
s-EMG4 35		2157.2253	[31127.248,	39584.727]	1.000	t 🗹	
(35355.99, 2155.		2401 0710		100005 0461	1 000		
s-EMG5 99		3401.9/10	[92948.098,	106285.646]	1.000	t 🗹	
(99616.87, 3399. s-EMG6		35954.4796	[-635906.821,	101016 0061	0.000	t. 🗹	
(-565426.41, 359			[-033900.021,	-494946.006]	0.000	(E	
		27706.9244	[209213 009	317838 9901	1.000	t. 🗹	
(263526.00, 2768			[209219:009]	317030.330]	1.000	C -	
s-EMG8 19			[8285.462.	31030.282]	1.000	t 🗹	
(19657.87, 5797.		0001.1070	[0200,102,	01000,1001	1.000		
		1.3622e+05	[227021.671,	761086.362]	1.000	t 🗹	
(494054.02, 1361	21.89 ² ,1.4e+	03)		-			
s-EMG12 76	242.4050	10449.0938	[55759.383,	96725.427]	1.000	t 🗹	
(76242.41, 10441	.39 ² ,1.4e+03)					
Sigma2	1.7819	0.0685	[1.653,	1.921]	1.000	IG⋭	
(678.00, 0.00083)						
						,	
	Mean	Std	CI	95	Positive Ľ		
Distribution							

			_				
	Intercept	-2.6966	0.3847	[-3.451,	-1.942]	0.000	t 🗸
	(-2.70, 0.3	8^2,1.4e+03)					
	s-EMG1	-4474.8901	7195.0966	[-18579.206,	9629.426]	0.267	t 🗹
	(-4474.89,	7189.79 ² ,1.4e+03)					
	s-EMG2	-25703.7738	7482.8551	[-40372.173,	-11035.374]	0.000	t 🗹
	(-25703.77,	7477.33 ² ,1.4e+03)				
	s-EMG3	72982.7653	4026.7466	[65089.264,	80876.267]	1.000	t 🗹
	(72982.77,	4023.78 ² ,1.4e+03)					
	s-EMG4	35355.9874	2157.2253	[31127.248,	39584.727]	1.000	t 🗹
	(35355.99, 3	2155.63 ² ,1.4e+03)					
	s-EMG5	99616.8720	3401.9710	[92948.098,	106285.646]	1.000	t 🗹
	(99616.87,	3399.46 ² ,1.4e+03)					
	s-EMG6	-5.6543e+05	35954.4796	[-635906.821,	-494946.006]	0.000	t 🗹
(-565426.41, 35927.95 ² ,1.4e+03)							
	s-EMG7	2.6353e+05	27706.9244	[209213.009,	317838.990]	1.000	t 🗹
	(263526.00,	27686.48 ² ,1.4e+03	3)				
	s-EMG8	19657.8719	5801.4575	[8285.462,	31030.282]	1.000	t 🗹
	(19657.87,	5797.18 ² ,1.4e+03)					
	s-EMG11	4.9405e+05	1.3622e+05	[227021.671,	761086.362]	1.000	t 🗹
	(494054.02,	136121.89 ² ,1.4e+0	03)				
	s-EMG12	76242.4050	10449.0938	[55759.383,	96725.427]	1.000	t 🗸
	(76242.41,	10441.39 ² ,1.4e+03)				
	Sigma2	1.7819	0.0685	[1.653,	1.921]	1.000	IG⋭
	(678.00, 0.0	00083)					