JMP Output from Stepwise – Forward

Initial Set Up

Stepwise Fit

Response: MDBH

Stepwise Regression Control

Prob to Enter 0.250
Prob to Leave 0.100
Direction: Forward

Current Estimates

SSE	DFE	MSE	RSquare	RSquare Adj	Cp	AIC
10.3855	19	0.5466053	0.0000	0.0000	102.4885	-11.1064

Lock	Entered	Parameter	Estimate	nDF	SS	F Ratio	Prob>F
☑	☑	Intercept	6.265	1	0	0.000	1.0000
☐	☐	X1	0	1	6.207045	26.739	0.0001
☐	☐	X2	0	1	0.616027	1.135	0.3008
☐	☐	X3	0	1	7.335255	43.287	0.0000

Step History

Step 1

Stepwise Fit

Response: MDBH

Stepwise Regression Control

Prob to Enter 0.250
Prob to Leave 0.100
Direction: Forward

Current Estimates

SSE	DFE	MSE	RSquare	RSquare Adj	Cp	AIC
3.0502449	18	0.1694581	0.7063	0.6900	19.387747	-33.6102

Lock	Entered	Parameter	Estimate	nDF	SS	F Ratio	Prob>F
☑	☑	Intercept	3.8956688	1	0	0.000	1.0000
☐	☐	X1	0	1	1.000159	8.294	0.0104
☐	☐	X2	0	1	0.403296	2.590	0.1259
☐	☑	X3	32.9371533	1	7.335255	43.287	0.0000

Step History

Step	Parameter	Action	"Sig Prob"	Seq SS	RSquare	Cp	p
1	X3	Entered	0.0000	7.335255	0.7063	19.388	2

Step 2

Stepwise Fit

Response: MDBH

Stepwise Regression Control

Prob to Enter 0.250
Prob to Leave 0.100
Direction: Forward

Current Estimates

SSE	DFE	MSE	RSquare	RSquare Adj	Cp	AIC
2.0500859	17	0.1205933	0.8026	0.7794	9.7842935	-39.557

Lock	Entered	Parameter	Estimate	nDF	SS	F Ratio	Prob>F
☑	☑	Intercept	3.14321066	1	0	0.000	1.0000
☐	☑	X1	0.03136639	1	1.000159	8.294	0.0104
☐	☐	X2	0	1	0.670967	7.784	0.0131
☐	☑	X3	22.953752	1	2.128369	17.649	0.0006

Step History

Step	Parameter	Action	"Sig Prob"	Seq SS	RSquare	Cp	p
1	X3	Entered	0.0000	7.335255	0.7063	19.388	2
2	X1	Entered	0.0104	1.000159	0.8026	9.7843	3

Step 3

Stepwise Fit

Response: MDBH

Stepwise Regression Control

Prob to Enter 0.250
Prob to Leave 0.100
Direction: Forward

Current Estimates

SSE	DFE	MSE	RSquare	RSquare Adj	Cp	AIC
1.3791191	16	0.0861949	0.8672	0.8423	4	-45.4857

Lock	Entered	Parameter	Estimate	nDF	SS	F Ratio	Prob>F
☑	☑	Intercept	3.23573225	1	0	0.000	1.0000
☐	☑	X1	0.09740562	1	1.26783	14.709	0.0015
☐	☑	X2	-0.0001689	1	0.670967	7.784	0.0131
☐	☑	X3	3.46681347	1	0.014774	0.171	0.6844

Step History

Step	Parameter	Action	"Sig Prob"	Seq SS	RSquare	Cp	p
1	X3	Entered	0.0000	7.335255	0.7063	19.388	2
2	X1	Entered	0.0104	1.000159	0.8026	9.7843	3
3	X2	Entered	0.0131	0.670967	0.8672	4	4