

REGRESS /VARI = perf size educ lang enrol meal full move year
 /DEP = perf /FORWARD.

*see corr. matrix for
 meal signif. meal*

Model	R	R Square
1	.821	.674
2	.836	.699
3	.845	.714
4	.856	.732
5	.859	.737
6	.863	.744

Model		Unstandardized Coefficients		Standardized Coefficients		t	Sig.
		B	Std. Error	Beta			
1	(Constant)	871.175	11.746			74.167	.000
	meal	-3.814	.154	-.821		-24.754	.000
2	(Constant)	862.092	11.457			75.248	.000
	meal	-3.515	.160	-.757		-21.936	.000
	year	-41.573	8.419	-.170		-4.938	.000
3	(Constant)	759.027	28.773			26.380	.000
	meal	-3.287	.167	-.708		-19.674	.000
	year	-33.569	8.478	-.138		-3.959	.000
	full	1.030	.265	.139		3.888	.000
4	(Constant)	609.829	43.287			14.088	.000
	meal	-2.673	.212	-.576		-12.629	.000
	year	-25.587	8.402	-.105		-3.045	.003
	full	1.255	.261	.170		4.800	.000
	educ	34.640	7.689	.192		4.505	.000
5	(Constant)	627.787	43.658			14.380	.000
	meal	-2.449	.231	-.527		-10.597	.000
	year	-20.725	8.599	-.085		-2.410	.017
	full	1.169	.262	.158		4.459	.000
	educ	30.621	7.826	.170		3.912	.000
	lang	-.499	.215	-.107		-2.320	.021
6	(Constant)	645.634	43.623			14.800	.000
	meal	-2.251	.239	-.485		-9.413	.000
	year	-20.295	8.502	-.083		-2.387	.018
	full	1.260	.261	.170		4.824	.000
	educ	28.647	7.768	.159		3.688	.000
	lang	-.710	.225	-.153		-3.148	.002
	move	-1.432	.511	-.091		-2.801	.005

Model		Beta In	t	Sig.
1	size	-.023	-.678	.498
	educ	.185	4.196	.000
	lang	-.218	-4.794	.000
	enrol	-.160	-4.643	.000
	full	.174	4.879	.000
	move	-.018	-.542	.588
	year	-.170	-4.938	.000
2	size	-.004	-.109	.913
	educ	.153	3.526	.000
	lang	-.164	-3.491	.001
	enrol	-.092	-2.164	.031
	full	.139	3.888	.000
	move	-.036	-1.105	.270
3	size	-.023	-.717	.474
	educ	.192	4.505	.000
	lang	-.147	-3.190	.002
	enrol	-.065	-1.538	.125
	move	-.058	-1.824	.069
4	size	-.001	-.041	.967
	lang	-.107	-2.320	.021
	enrol	-.062	-1.505	.133
	move	-.057	-1.828	.069
5	size	.002	.076	.940
	enrol	-.045	-1.090	.277
	move	-.091	-2.801	.005
6	size	.013	.405	.685
	enrol	-.032	-.762	.447

← value in regression
Model 2

← see model 3

← see model 4

← model 5

← model 6

) > .05

REGRESS /VARI = perf size educ lang enrol meal full move year
 /DEP = perf /BACKWARD.

Model	Variables Entered	Variables Removed	Method
1	year, move, size, educ, full, enrol, lang, meal	.	Enter
2	.	size	Backward (criterion: Probability of F-to-remove >= .100).
3	.	enrol	Backward (criterion: Probability of F-to-remove >= .100).

Model	R	R Square
1	.863	.745
2	.863	.745
3	.863	.744

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	2786865.885	8	348358.236	105.437	.000
	Residual	954840.410	289	3303.946		
	Total	3741706.295	297			
2	Regression	2786242.807	7	398034.687	120.811	.000
	Residual	955463.488	290	3294.702		
	Total	3741706.295	297			
3	Regression	2784331.931	6	464055.322	141.053	.000
	Residual	957374.365	291	3289.946		
	Total	3741706.295	297			

Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	631.041	66.184		9.535	.000
	size	1.119	2.576	.013	.434	.664
	educ	29.315	7.859	.163	3.730	.000
	lang	-.679	.232	-.146	-2.921	.004
	enrol	-.015	.019	-.032	-.776	.438
	meal	-2.247	.242	-.484	-9.268	.000
	full	1.212	.267	.164	4.532	.000
	move	-1.409	.520	-.089	-2.711	.007
	year	-16.635	10.012	-.068	-1.661	.098
2	(Constant)	652.283	44.520		14.652	.000
	educ	28.862	7.779	.160	3.710	.000
	lang	-.671	.231	-.144	-2.900	.004
	enrol	-.015	.019	-.032	-.762	.447
	meal	-2.261	.240	-.487	-9.434	.000
	full	1.226	.265	.166	4.624	.000
	move	-1.384	.516	-.088	-2.683	.008
	year	-16.331	9.974	-.067	-1.637	.103
3	(Constant)	645.634	43.623		14.800	.000
	educ	28.647	7.768	.159	3.688	.000
	lang	-.710	.225	-.153	-3.148	.002
	meal	-2.251	.239	-.485	-9.413	.000
	full	1.260	.261	.170	4.824	.000
	move	-1.432	.511	-.091	-2.801	.005
	year	-20.295	8.502	-.083	-2.387	.018

Remove

Remove

Same as forward but can differ.

Model		Beta In	t	Sig.
2	size	.013	.434	.664
3	size	.013	.405	.685
	enrol	-.032	-.762	.447

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REGRESS /VARI = perf size educ lang enrol meal full move year
/CRITE = POUT(.05) /DEP = perf /ENTER enrol /STEP.
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Warnings

There are conflicting criteria on CRITERIA subcommand. Probability-of-F-to-remove (POUT) is less than or equal to Probability-of-F-to-enter (PIN). Using the STEPWISE method might result in the same variable being entered and then removed in a cycle that continues until the number of steps allowed for the equation is exceeded. POUT has been reset to 1.1*PIN, or 1.0, whichever is smaller. The criteria are now: PIN = .050, POUT = .055.

Model	Variables Entered	Variables Removed	Method
1	enrol	.	Enter
2	meal	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .055).
3	educ	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .055).
4	full	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .055).
5	lang	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .055).
6	move	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .055).
7	.	enrol	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .055).
8	year	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .055).

Model		Unstandardized Coefficients			Sig.
		B	Std. Error	t	
1	(Constant)	696.515	13.358	52.144	.000
	enrol	-.205	.024	-8.424	.000
2	(Constant)	888.278	11.941	74.390	.000
	enrol	-.075	.016	-4.643	.000
	meal	-3.541	.160	-22.112	.000
3	(Constant)	774.692	31.195	24.834	.000
	enrol	-.069	.016	-4.396	.000
	meal	-3.026	.204	-14.823	.000
4	(Constant)	620.366	44.563	13.921	.000
	enrol	-.047	.016	-2.934	.004
	meal	-2.656	.212	-12.506	.000
	educ	36.598	7.593	4.820	.000
5	(Constant)	634.003	44.682	14.189	.000
	enrol	-.036	.017	-2.180	.030
	meal	-2.443	.231	-10.553	.000
	educ	32.437	7.769	4.175	.000
	full	1.169	.264	4.428	.000
	lang	-.487	.218	-2.233	.026
6	(Constant)	647.315	44.544	14.532	.000
	enrol	-.031	.017	-1.889	.060
	meal	-2.255	.240	-9.381	.000
	educ	30.660	7.724	3.970	.000
	full	1.271	.264	4.807	.000
	lang	-.702	.231	-3.033	.003
	move	-1.342	.517	-2.599	.010
7	(Constant)	624.404	43.050	14.504	.000
	meal	-2.221	.241	-9.224	.000
	educ	31.303	7.750	4.039	.000
	full	1.402	.256	5.471	.000
	lang	-.837	.221	-3.788	.000
8	(Constant)	645.634	43.623	14.800	.000
	meal	-2.251	.239	-9.413	.000
	educ	28.647	7.768	3.688	.000
	full	1.260	.261	4.824	.000
	lang	-.710	.225	-3.148	.002
	move	-1.432	.511	-2.801	.005
	year	-20.295	8.502	-2.387	.018

→ .055
Remove

Model		Beta In	t	Sig.
1	size	.026	.488	.626
	educ	.579	13.310	.000
	lang	-.624	-13.147	.000
	meal	-.762	-22.112	.000
	full	.388	7.418	.000
	move	-.134	-2.584	.010
	year	-.296	-4.434	.000
2	size	-.008	-.246	.806
	educ	.169	3.926	.000
	lang	-.165	-3.461	.001
	full	.138	3.781	.000
	move	-.026	-.791	.430
	year	-.116	-2.711	.007
3	size	.016	.501	.617
	lang	-.130	-2.704	.007
	full	.168	4.700	.000
	move	-.022	-.694	.488
	year	-.094	-2.215	.028
4	size	-.002	-.067	.947
	lang	-.105	-2.233	.026
	move	-.050	-1.602	.110
	year	-.070	-1.708	.089
5	size	.001	.036	.971
	move	-.085	-2.599	.010
	year	-.062	-1.492	.137
6	size	.010	.318	.751
	year	-.067	-1.637	.103
7	size	.005	.152	.879
	year	-.083	-2.387	.018
	enrol	-.067	-1.889	.060
8	size	.013	.405	.685
	enrol	-.032	-.762	.447

REGRESS /VARI = perf size educ lang enrol meal full move year
 /CRITE = POUT(.05) /DEP = perf /ENTER enrol /FORWARD:

Model	Variables Entered	Variables Removed	Method
1	enrol	.	Enter
2	meal	.	Forward (Criterion: Probability-of-F-to-enter <= .050)
3	educ	.	Forward (Criterion: Probability-of-F-to-enter <= .050)
4	full	.	Forward (Criterion: Probability-of-F-to-enter <= .050)
5	lang	.	Forward (Criterion: Probability-of-F-to-enter <= .050)
6	move	.	Forward (Criterion: Probability-of-F-to-enter <= .050)

Model	R	R Square
1	.440	.193
2	.835	.696
3	.844	.712
4	.855	.732
5	.858	.736
6	.862	.742

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	723548.051	1	723548.051	70.961	.000
	Residual	3018158.244	296	10196.481		
	Total	3741706.295	297			
2	Regression	2605932.502	2	1302966.251	338.426	.000
	Residual	1135773.793	295	3850.081		
	Total	3741706.295	297			
3	Regression	2662502.789	3	887500.930	241.776	.000
	Residual	1079203.506	294	3670.760		
	Total	3741706.295	297			
4	Regression	2738177.351	4	684544.338	199.866	.000
	Residual	1003528.945	293	3425.013		
	Total	3741706.295	297			
5	Regression	2755032.579	5	551006.516	163.067	.000
	Residual	986673.716	292	3379.020		
	Total	3741706.295	297			
6	Regression	2777409.804	6	462901.634	139.692	.000
	Residual	964296.491	291	3313.734		
	Total	3741706.295	297			

Model		Unstandardized Coefficients		Standardized	t	Sig.
		B	Std. Error	Coefficients		
				Beta		
1	(Constant)	696.515	13.358		52.144	.000
	enrol	-.205	.024	-.440	-8.424	.000
2	(Constant)	888.278	11.941		74.390	.000
	enrol	-.075	.016	-.160	-4.643	.000
	meal	-3.541	.160	-.762	-22.112	.000
3	(Constant)	774.692	31.195		24.834	.000
	enrol	-.069	.016	-.149	-4.396	.000
	meal	-3.026	.204	-.652	-14.823	.000
	educ	30.388	7.741	.169	3.926	.000
4	(Constant)	620.366	44.563		13.921	.000
	enrol	-.047	.016	-.100	-2.934	.004
	meal	-2.656	.212	-.572	-12.506	.000
	educ	36.598	7.593	.203	4.820	.000
	full	1.240	.264	.168	4.700	.000
5	(Constant)	634.003	44.682		14.189	.000
	enrol	-.036	.017	-.077	-2.180	.030
	meal	-2.443	.231	-.526	-10.553	.000
	educ	32.437	7.769	.180	4.175	.000
	full	1.169	.264	.158	4.428	.000
	lang	-.487	.218	-.105	-2.233	.026
6	(Constant)	647.315	44.544		14.532	.000
	enrol	-.031	.017	-.067	-1.889	.060
	meal	-2.255	.240	-.485	-9.381	.000
	educ	30.660	7.724	.170	3.970	.000
	full	1.271	.264	.172	4.807	.000
	lang	-.702	.231	-.151	-3.033	.003
	move	-1.342	.517	-.085	-2.599	.010

FORWARDED
 NOT
 REMOVED
 <.055

Model		Beta In	t	Sig.	Partial Correlation
1	size	.026	.488	.626	.028
	educ	.579	13.310	.000	.613
	lang	-.624	-13.147	.000	-.608
	meal	-.762	-22.112	.000	-.790
	full	.388	7.418	.000	.397
	move	-.134	-2.584	.010	-.149
	year	-.296	-4.434	.000	-.250
2	size	-.008	-.246	.806	-.014
	educ	.169	3.926	.000	.223
	lang	-.165	-3.461	.001	-.198
	full	.138	3.781	.000	.215
	move	-.026	-.791	.430	-.046
	year	-.116	-2.711	.007	-.156
3	size	.016	.501	.617	.029
	lang	-.130	-2.704	.007	-.156
	full	.168	4.700	.000	.265
	move	-.022	-.694	.488	-.041
	year	-.094	-2.215	.028	-.128
4	size	-.002	-.067	.947	-.004
	lang	-.105	-2.233	.026	-.130
	move	-.050	-1.602	.110	-.093
	year	-.070	-1.708	.089	-.099
5	size	.001	.036	.971	.002
	move	-.085	-2.599	.010	-.151
	year	-.062	-1.492	.137	-.087
6	size	.010	.318	.751	.019
	year	-.067	-1.637	.103	-.096

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