EPS 624 – COMPUTER STATISTICS
APA TABLE EXAMPLE – HIERARCHICAL MULTIPLE REGRESSION

Table 1

Correlations, Means, and Standard Deviations for Regression of Criterion (N = 175)

	1	2	3	4	5	*M*	*SD*
1. Criterion	––	-.06	.56	-.52	.38	166.17	37.29
2. Predictor 1		––	-.02	.28	-.18	38.83	9.63
3. Predictor 2			––	-.65	.25	45.10	24.56
4. Predictor 3				––	-.47	26.72	12.01
5. Predictor 4					––	361.64	108.84

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Descriptive Statistics

	Mean	Std. Deviation	N
Criterion	166.17	37.287	175
Predictor_1	38.83	9.634	175
Predictor_2	45.10	24.559	175
Predictor_3	26.72	12.005	175
Predictor_4	361.64	108.836	175

Correlations

		Criterion	Predictor_1	Predictor_2	Predictor_3	Predictor_4
Pearson Correlation	Criterion	1.000	-.056	.561	-.521	.376
	Predictor_1	-.056	1.000	-.018	.277	-.181
	Predictor_2	.561	-.018	1.000	-.646	.253
	Predictor_3	-.521	.277	-.646	1.000	-.471
	Predictor_4	.376	-.181	.253	-.471	1.000
Sig. (1-tailed)	Criterion	.	.229	.000	.000	.000
	Predictor_1	.229	.	.405	.000	.008
	Predictor_2	.000	.405	.	.000	.000
	Predictor_3	.000	.000	.000	.	.000
	Predictor_4	.000	.008	.000	.000	.
N	Criterion	175	175	175	175	175
	Predictor_1	175	175	175	175	175
	Predictor_2	175	175	175	175	175
	Predictor_3	175	175	175	175	175
	Predictor_4	175	175	175	175	175

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Table 2

Results of Regression of Criterion on Predictor Variables

Predictor Variables	*B*	β	*t*
Model 1			
Predictor Variable 1	-.18	-.05	-.73
Predictor Variable 2	.85	.56	8.88***
Model 2			
Predictor Variable 1	.15	.04	.59
Predictor Variable 2	.59	.39	4.85***
Predictor Variable 3	-.58	-.19	-2.06*
Predictor Variable 4	.07	.20	2.87**

Note. $R^2 = .32$ for Model 1, $p < .001$; $R^2\Delta = .07$ for Model 2, $p < .001$; Total $R^2 = .39$, $p < .001$.
*$p < .05$, **$p < .01$, ***$p < .001$

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Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.563[a]	.316	.308	31.006	.316	39.813	2	172	.000
2	.623[b]	.388	.374	29.509	.072	9.953	2	170	.000

a. Predictors: (Constant), Predictor_2, Predictor_1

b. Predictors: (Constant), Predictor_2, Predictor_1, Predictor_4, Predictor_3

ANOVA[c]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	76551.488	2	38275.744	39.813	.000[a]
	Residual	165360.7	172	961.399		
	Total	241912.2	174			
2	Regression	93884.213	4	23471.053	26.955	.000[b]
	Residual	148028.0	170	870.753		
	Total	241912.2	174			

a. Predictors: (Constant), Predictor_2, Predictor_1

b. Predictors: (Constant), Predictor_2, Predictor_1, Predictor_4, Predictor_3

c. Dependent Variable: Criterion

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	134.760	10.743		12.544	.000
	Predictor_1	-.178	.244	-.046	-.731	.466
	Predictor_2	.850	.096	.560	8.878	.000
2	(Constant)	124.884	17.466		7.150	.000
	Predictor_1	.147	.248	.038	.594	.554
	Predictor_2	.594	.123	.391	4.848	.000
	Predictor_3	-.580	.282	-.187	-2.056	.041
	Predictor_4	.067	.023	.196	2.867	.005

a. Dependent Variable: Criterion