Redo of Homework 6 Answers

Part 1—California results

Cal1.How would you very succinctly describe the relationship of the variable RawImm4 with its weakest demographic (age, education and income) predictor?

Cal2. What percent of the variation in RawImm4 is due to this variable?

Cal3 What percent of the variation in the measure RawImm4 is explained by variation in liberal5?

Cal4. How much more of the variation in RawImm4 is explained by Democrat5 than is explained by Dem3?

Cal5. What is the correlation between age and political interest?

Cal6. What is the correlation between age and income?

Cal7. What percent of the variation in interest is explained by income?

Cal8. Write out the equation for the regression of RawImm4 on liberal5?

Cal9. How significant is the slope in this equation?

Cal10. How well does this equation fit the data?

Part 2—Texas results

Tex1. How would you succinctly describe the relationship of each of the dependent variables ImmIncl and ImmExcl with their weakest demographic (age, education and income) predictor?

Tex2. What percent of the variation in each of the measures ImmIncl and ImmExcl is explained by variation in liberal5?

Tex3. What is the correlation between age and political interest?

Tex4. What is the correlation between age and income?

Tex5. With reference to the following output write out the equation for the regression of ImmIncl on liberal5.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.462[a]	.213	.212	.72958

a. Predictors: (Constant), liberal5

Coefficients[a]

Model		Unstandardized Coefficients B	Unstandardized Coefficients Std. Error	Standardized Coefficients Beta	t	Sig.
1	(Constant)	1.200	.045		26.539	.000
	liberal5	1.326	.083	.462	16.027	.000

a. Dependent Variable: ImmIncl

Tex6. With reference to the following output write out the equation for the regression of ImmExcl on liberal5.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.586[a]	.344	.343	.66891

a. Predictors: (Constant), liberal5

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	3.005	.039		76.971	.000
	liberal5	-1.716	.075	-.586	-22.982	.000

a. Dependent Variable: ImmExcl

Tex7. Referring to the output presented as part of Tex5 & Tex6, how significant is the slope in each equation?

Tex8. How well does each equation fit the data?

Tex9. How much more or less effective is liberal5 in explaining Inclusive attitudes toward immigration in Texas than it is in California?

Tex10. Why might one reasonably say that age is more effective in building personal capital in California than it is in Texas?