SOLUTIONS

(1) For the slope what is the test of statistical significance? (B)	
(2) For that test of statistical significance if t = -1.10 what is the <u>best</u> conclusion? (D)	
(3) Which is an <u>INCORRECT</u> statement about the residuals? (A)	
(4) If the slope estimate is zero then the constant term estimate will be (E)	
(5) Increasing the sample size to 200 would cause (E)	
(6) By varying the salt content a lot, is reduced. (A)	
(7) Considering the described approach to the research question, are these valid criticisms? (E)
(8) For α = 0.10, what is the rejection region? (D)	
(9) A Type I error is obtaining results that are (A)
(10) To test if the slope is statistically positive, what is the approximate p-value? (B)	
(11) We have good evidence that television viewing	(C)
(12) If x1 and x2 are related to each other then	(D)
(13) Referring back to the STATA output, is the multiple regression model statistically significant	t? (A)
(14) Suppose Wendy Lee has a 92 for the high school mark (Best-6). You could be 95% sure the university GPA would fall in which interval? (A)	nat her
(15) Consider students with an 85 for the high school mark (Best-6). You could be 95% sure that	at the

(16) Do we have sufficient evidence to conclude that each additional unit of lux increases students' attention rating by at least 0.025? (Choose the best answer.) (D)

(17) What is the coefficient of determination (R^2) ? (C)

(18) What is the 98% confidence interval estimator of the effect of each additional unit of lux on students' attention rating? (B)