Test 2 Corrections

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10st a wheeling

1) a, b

5d) When controlling for alcohol consumption, smoking status does have a significant effect on like expectancy because the p-value

from the t-test for that B-coefficient is less than 0.05.

76) The full F-test 1s more reliable than the nested F-test. Reliability hinges on the assumptions being med. For the nested F-test, we have to check the

assumptions for both the full and reduced models, whereas we only need to check the full model for the full F-test. Therefore, the full F-test will always be equally or more

full model for the full F-test. Therefore, the full F-test will always be equally or more cliable than the nested F-test, since its assumptions are a subset of the nested F-test, since its assumptions are a subset of the nested

Pliable than the nested F-test, since its assumptions are a subset of the nested F-test's assumptions. In terms of this problem specifically, the residual DNH for model 1 shows some signs of funneling, so the constant

put for moder 1 snows some signs of funneling, so the constant Variance assumption may not be met. Thus, not all the assumption

for the reduced moder are met, Cand moder 1 is not used at all in the full F-test) so the nested F-test is less relicable than the full F-test

full F-test) so the nessed F-test is less reliable than the full F-test