Quiz #6

Econometría 06216

Nombre: _____

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INSTRUCCIONES:

- Escoja la opción más adecuada.
- Usted cuenta con 5 minutos para resolver este quiz

1. Which of the following models represent a shift in slope and intercept.
   a. $y_i = \beta_0 + \beta_1 x_{1i} + \beta_2 D_t$
   b. $y_i = \beta_0 + \beta_1 x_{1i} + \beta_2 W_t x_{1i}$
   c. $y_i = \beta_0 + \beta_1 x_{1i} + \beta_2 x_{2i}$
   d. $y_i = \beta_0 + \beta_1 x_{1i} + \beta_2 D_t + \beta_3 W_t x_{1i}$

Answer d)

2. The difference between a shift dummy and a slope dummy is:
   a. The shift dummy measures the difference between the point estimates of the intercepts for different groups in the sample.
   b. The slope dummy measures the difference between the point estimates of the slopes for different groups in the sample.
   c. The shift dummy will always have a positive coefficient and the slope dummy will always have a negative coefficient.
   d. a) and b) are correct.

Answer (d)

3. Which of the following statements are true? In a regression of log wage rates on a dummy {=0,male =1,female} and other variables:
   a. The dummy coefficient is an estimate of the difference between male and female wage rates measured in logs, ceteris paribus.
   b. The dummy coefficient is the elasticity of female labour supply.
   c. The absolute sex difference in wages is not constant, i.e. it depends on the values of the other variables in the regression.
   d. a) and c) are correct.

Answer (a)

4. Let D=1 if a person is male and D=0 if female. The mean of D in the sample equals:
   a. The number of men in the sample.
   b. The proportion of men in the sample.
   c. The proportion of women in the sample.
   d. The number of women in the sample.

Answer (b)

5. If you have a sample that consists of some males and some females, some native English-speakers and some non-native-English-speakers, you could construct a female dummy variable $F_i=1$ if female, =0 if male, and an English dummy variable $E_i=1$ if native English-speaker, $E_i=0$ otherwise. What sort of model would allow you to test whether being female AND being a native Englishspeaker (at the same time) conferred higher average earnings than being in any other category?
   a. $Y_i = \beta_1 + \beta_2 F_i + \beta_3 E_i + \upsilon_i$.
   b. $Y_i = \beta_1 + \beta_2 F_i + \beta_3 E_i + \beta_4 F_i F_i + \beta_5 E_i E_i + \upsilon_i$.
   c. $Y_i = \beta_1 + \beta_2 F_i + \beta_3 E_i + \beta_4 F_i E_i + \upsilon_i$.
   d. $Y_i = \beta_1 + \beta_2 F_i$ for english speakers
      and $Y_i = \beta_1 + \beta_2 E_i$; for females.

Answer (c)