Quiz 1

Name:	
1. I	Household Budget surveys are an example of:
□ €	panel data experimental data time series data cross-sectional data
2. <i>A</i>	A dependent variable is also known as a(n)
□ q	explanatory variable control variable predictor variable response variable
3. 7	The Zero conditional mean assumption means
	$E(u \mid x) = 0$ $E(\hat{u} \mid x) = 0$ $E(u^2 \mid x) = 0$ $E(\hat{u}^2 \mid x) = 0$
	The explained sum of squares (SSE) for the regression function, $y = \beta_0 + \beta_1 x + u$, is defined as
	$\begin{array}{l} \sum (\hat{y}_i - \bar{y})^2 \\ \sum (y_i - \hat{y}_i)^2 \\ \sum \hat{u} \\ \sum \hat{u}^2 \end{array}$
5.	The error term in a regression equation is said to exhibit homoskedasticty if
□ i □ i	It has zero conditional mean It has the same variance for all values of the explanatory variable It has the same value for all values of the explanatory variable If the error term has a value of one given any value of the explanatory variable
6. I	Bonus: Why do we care about the Zero Conditional mean assumption?