Finger Exercises due Sep 18, 2024 07:30 CST Completed 6.1 1/1 point (graded) Which conditions need to be satisfied for treatment-control balance? Select all that apply. $E[Y_1|X=1] = E[Y_0|X=0]$ $E[Y_0|X=1] = E[Y_0|X=0]$ $\Box E[Y_0|X=1] = E[Y_1|X=0]$ Explanation Treatment-control balance means the counterfactual outcomes are comparable for treatment and control groups. In other words, the expected potential outcomes if treated for the two groups are the same, and so are the expected potential outcomes if not treated. Submit You have used 1 of 2 attempts **1** Answers are displayed within the problem 6.2 2/2 points (graded) Fill in the blanks. $E[\cdot]$ is the expectation **~** ✓ Answer: expectation operator denoting the mean ✓ Answer: mean of a random variable. Explanation $\textbf{E}[\cdot] \text{ is the expectation operator denoting the mean of a random variable. We use } \textbf{E}[\cdot] \text{ to represent the expected value for } \textbf{E}[\cdot] \text{ is the expectation operator denoting the mean of a random variable.} \textbf{We use } \textbf{E}[\cdot] \text{ to represent the expected value for } \textbf{E$ a population. Submit You have used 1 of 1 attempt Answers are displayed within the problem 6.3 2/2 points (graded) Fill in the blanks. $E[Y_0|X=1]$ denotes the expected potential outcome if not treated Answer: not treated ✓ ✓ Answer: treated . for those who are treated Explanation $\mathsf{E}[\cdot|\mathsf{condition}]$ denotes the expected value of a random variable in cases where the condition is true. Y_0 and Y_1 denote the potential outcome if not treated and the potential outcome if treated, respectively. X = 1 denotes the group that received the treatment (i.e., the treatment group) and X = 0 denotes the group that did not receive the treatment (i.e., the control group). Submit You have used 1 of 1 attempt Answers are displayed within the problem Discussion **Hide Discussion Topic:** The Minimum Wage Debate and Causal Inference / Question 6 Add a Post

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Lgot the question right, but I don't think the phrasing makes sense grammatically, I would suggest something like "This term denotes the expe.

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clarification

Wording of 6.3 is a little wonky