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Lecture 1a: Practice Problem Solutions

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Solutions

1. Define **selection bias** in a study. Can you suggest an example (hypothetical or otherwise) of possible selection bias?
 - **Selection bias** occurs when subjects assigned to a treatment group differ from those subjects assigned to a comparison group because the subjects effectively chose which group they would belong to

Solutions

2. Give a concise explanation of the utility of having a randomized control group in a scientific study
 - A randomized control group equalizes the treatment and control groups on all other factors allowing for the “pure investigation” of treatment effect