Discussion Assignment #3

Sabrina Boyce, Shelley Facente, and Steph Holm

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Question 7: Under the assumption of sequential randomization and positivity, write out the (counterfactual or "post intervention") distribution $Q^{\bar{a}}$ a of the counterfactual non-intervention variables $(W; \bar{L}_5^{\bar{a}}, Y^{\bar{a}})$ as a function of the observed data distribution P_0.

Question 8: Specify the statistical estimand using the traditional G-computation formula.

Question 9: Briefly review implementation of "traditional" longitudinal parametric G-Computation for this estimand. What are some possible pros/cons to this approach?