Threeway Tables

Grinnell College

February 18, 2025

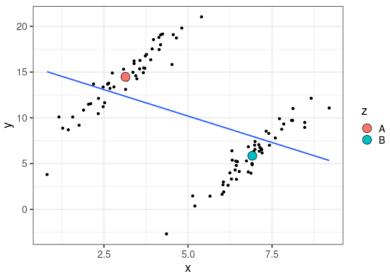
Warm-up

Suppose we have three variables, X, Y, and Z. What types of distributions are implied by the following:

- \triangleright P(X, Y, Z)
- \triangleright P(X,Y)
- \triangleright P(X, Y|Z)
- ightharpoonup P(Y|X)
- \triangleright P(X), P(Y), P(Z)

Marginal (Simpson's Paradox)

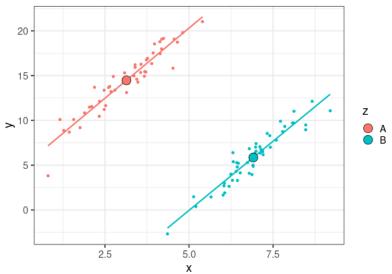




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Conditional (Simpson's Paradox)





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