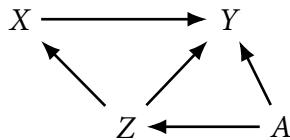


STATISTICAL RETHINKING 2026
HOMEWORK A06

Consider the DAG below:



I want you to first simulate data consistent with this DAG. You can assume that each variable is normally distributed. Then focus on estimating the causal effect of X on Y . Which other variables are needed to correctly estimate the effect of X on Y ? For any variables other than X , what is the meaning of their estimated coefficients? Are they also causal effect estimates? Why or why not?