

this observational
time: studies

read: JJ
Ch. 1-8

(AMSS)
22 Jan
09

next
time: probability

all office hours @
in this class how

start at the whiteboards on 1st floor
of Baskin (near Baskin 125)

hwk 2 (R) pp. 40-42) due Tue 3 Feb

matched pairs = randomized blocks
with block size 2

cross-sectional

data: snapshot of lots of subjects
at one moment in time

Y : blood pressure

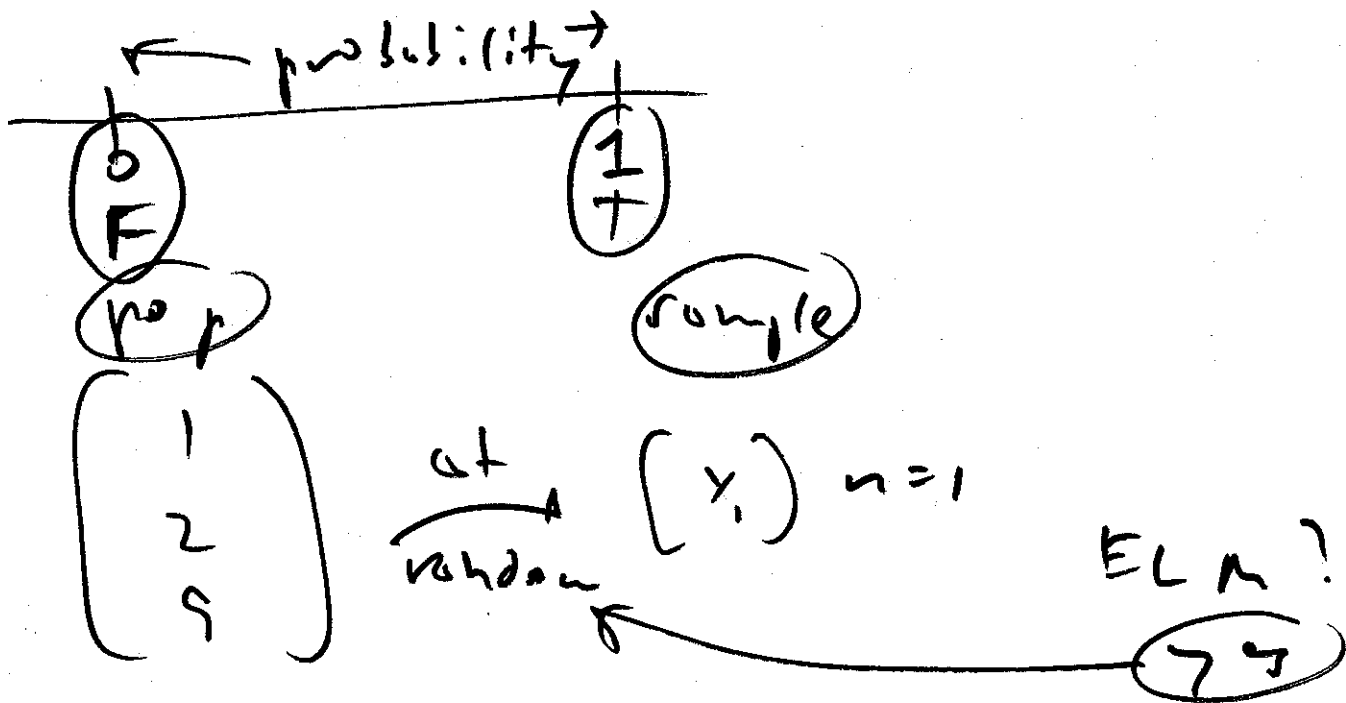
① Y, Z assoc? age ↑ bp ↑

X : pill use

② X, Z assoc? age ↑ pill use ↓

Z : age

therefore age is a PCF



$$P(y_1 = 9) = \frac{1}{3} = 33\%$$

$$P(y_1 \text{ is odd}) = \frac{2}{3} = 67\%$$

(1 or more T-S in 5 babies)

$$= \left(\begin{array}{c} \text{exactly} \\ 1 \text{ T-S} \end{array} \right) \text{ or } \left(\begin{array}{c} \text{exactly} \\ 2 \text{ T-S} \end{array} \right) \text{ or } \dots \text{ or } \left(\begin{array}{c} \text{exactly} \\ 5 \text{ T-S} \end{array} \right)$$

$$P(A \text{ or } B) = P(A) + P(B)$$

not $\left(\begin{array}{c} 1 \text{ or more} \\ \text{T-S} \\ \text{babies} \end{array} \right) = \left(\begin{array}{c} \text{exactly} \\ 0 \text{ T-S babies} \end{array} \right)$

