This time: design, probability
next time: more probability
observational studies
contraceptive drug trial

I: (57.5 + 1.2) blood pressure (mm Hg)
T: pill users
C: non-users

pill use: √ as age ↑, pill use ↑

Positive age is a RCF & bias from RCFs is the enemy in obs. studies

Q: How defeat (control for) a RCF?
A.1 Hold the PCF constant at analysis time; divide all subjects (T + C) into groups inside which the PCF is roughly held constant: [age]

age 17-24 < 
25-34 < 
35-44 < 
45-58 < 

if we don't control for age, the comparison will be biased in favor of the pill being ok, because pills are young = low blood pressure
conclusion: after controlling for (holding constant) age, pill use was associated with an increase of about 5 mmHg of systolic blood pressure. - big when ignored to cumulate over time

Probabilistic \[ \text{Prob. L - 95}\]

Frequentist: repeated experimentation, ex. (roulette)

Bayesian: weight of evidence in favor of truth of true/false statement

Thomas Boys