

SOC 3811/5811:
BASIC SOCIAL STATISTICS

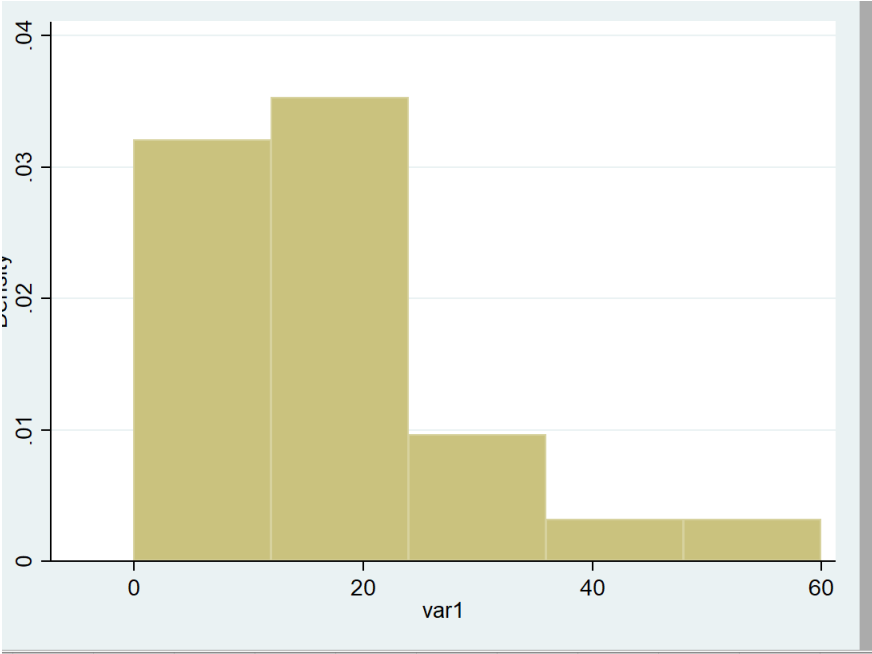
Sampling Error

Questions?

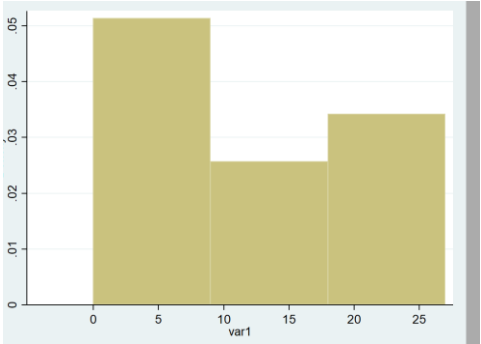
(About the recorded lecture, assignments, etc...)

Send a note via chat in Zoom ... I'll answer them now!

% FIRST YEAR STUDENT



N = 6



N = 12

$$\text{conservative margin of error} = \pm \frac{1}{\sqrt{n}} \times 100\%$$

$$\text{conservative margin of error} = \pm \frac{1}{\sqrt{6}} \times 100\% = \pm 41\%$$

$$\text{conservative margin of error} = \pm \frac{1}{\sqrt{20}} \times 100\% = \pm 22\%$$

$$\text{conservative margin of error} = \pm \frac{1}{\sqrt{?}} \times 100\% = \pm 5\%$$

$$\frac{1}{\sqrt{?}} = 0.05 \implies 1 / 0.05 = \text{sqrt}(?) \implies 20 = \text{sqrt}(?) \implies 400 = ?$$

Added Sept. 20, 2020

	DATES	POLLSTER	SAMPLE	RESULT	NET RESULT	
President: general election	Minn.	SEP 12-17, 2020	Redfield & Wilton Strategies	718 LV	Biden 51% Less ⊗	Biden +9
					Trump 42%	
					Jorgensen 0%	
					Hawkins 0%	

KEY A = ADULTS RV = REGISTERED VOTERS V = VOTERS LV = LIKELY VOTERS

$$\text{conservative margin of error} = \pm \frac{1}{\sqrt{n}} \times 100\% = \pm 4\%$$

How the forecast has changed

The forecast updates at least once a day and whenever we get a new poll. Click the buttons to see the ways each candidate's outlook has changed over time.

CHANCE OF WINNING

POPULAR VOTE

