Plan

Simpling Ch 13

- Log profon + las

- Corp. r.v. 15 Miles gos

Almy

- Tre 8,9 no class salk about holds

- Midan vewen session

8-100m here

- Office Hrs tody & tomoron

- 2e, & wassipal

P/AA-188 Log trusform (do dono) Some as p/A+1

Kigh	I PM (H	)		_
6 PH	4.459			
684	4.229			
704	F.249			
71"	4.263			Strictly homosonic, 1:1
61"	P.394			,
X = 70.8	y=4,257	ey= 70.6"	X	
Med = 204	ned = 9.241	ered = 704		
80%-le=21"	Boxile = 4-263	CBOX16 = 7/4"		

log is a "quante-preservy" transformen

Wy log transform ? Revers will get to sommon.

Ch 13: Syle / Sungs Vara: reglizaron of r.v.'s. Where do shore r.v.'s come from? How should be havess the replayations? This is called Sarpling". Poplaron idlect dran" Imp scens dos up W=00 "N" Popularin: all possible idens, people, bon, or Suple: the subset he collect drops where, fger 9/1 Exafin in show class, here going to forger about soll N Ingerent, a representative single reflects the popular. A non-represent single is "birsal". Epresent ! bin48);

Romanoraion: pick rentos for poplaron at ragion: surfice succes No mover size of pop, single does not reed to change. Governos its cray. But Acen #1

But Acet #2

# 852

# 2193

4 2057 numes on any de popularion. Honder: saple from 14 Grenployd people (racro) Who is grenglound? Defoutson. Need to ship Randomorrom: represerve, es birs... he can are stretures from the simple to lestime the princers of the popularian, eng , book right y ... with sure why...

X estronor on Inference Pigure 1, P, b, B

post poropil tool is sometis.

The per the "h" the verses. It's how you got the 4.

Brog the more in, the more accorde

Randommer fouldy:  $Pap = \{ X_1, X_2, \dots, X_N \}$ 

2 de C bab 84 /2mb/ = 4

If each smple is equally libery, when it is considered of Simple random smple "(SRS), the gold standard.

How so get in SRS? Sampling frame: He lies of Hours is the Pap.

You Ful # ben oal 1 3 Order ... + at Anson

X3 0-11

XN 0.59

15

Systems spleig: get enny 10th person on an elphance lost (if you don't have a computer or it', is prosse). You have to make see mane is not correlated with whom you reason.

Snyling Vannoson

he slipped 10 coins he expert 5 to be H, but it would have been AH or 6H or 3H or 7H.

My? Own is rollow become it cans for r.v.'s.
Ordere get to Hyp. Testy, he more know me an
making decision for rollow dote - limite!

> Every SRS will have differed Syple Start 134725.

X: the v.v., X: the vertican for the routen density

From non on, for everything else re we it the class, he assum 3RS... If a close he an SRS, Cuphing re do is WRONG.

The Corplex reshods

Destable Radon saple: Eplit supling from jets horvegenn groups call strong. p3/4 has seelly god example.

Ingshe hosel: 99% tomins 1% business. If your blow of an SRS, you hart learn gryshing about he business grows, so you take a larger style from that strata. This is not an SRS book can be odd front it you was to account for this...
Overgosenal ? Who?

A type of Strated suplay is Chosen suplay: the geographical wiss e.g. canons somes as the strang.

Ex 13.2 is a good comple; infusor estoration	
Consus: Simple all N monly suprimeted, expenses	ce
Hon to scien up a saple?	
9) Valuary response: sent a bank of surreys one Where sents then back call an SRS. Proples? b) Convenience Supling: ask whoen is avoul	
die to end so make brights about a parameter	
Who is on the mildern? (ho p69)  Sex sty: 4-coal explicity.  Ch 7.2-ch9  Ch 10.1, 3.5, 11  Ch 13  Frob: deform, axom, rules, explision, contitonal prob, byte Rele	

dosa: pune sous, unlumine vinadien, dur type, suplin

Distant r.v. 15: arrive: fringe ord chip fate # of chies, 18/2/12 Cons V.V.'s. All thank / decords / tractored unhas acaptable. 30,1,2,3,9,53, 89,1,2,-3, 5-1, 1pnepro3 I he propers: I have derony furthers: to get probs on of PMP3 yours sm.  $P(\leq X \leq 4) = \sum_{i=1}^{4} P(X=i)$ to get probs on of PDR's you stigme  $P(X \leq A) = \int_{X}^{A} f_{X}(X) dX$ For caple. In mait 10 mm

