

Simple Random Sample, cont'd

Assign each case in sampling frame an ID #

Use random number table to get sampled #s

First decide how you'll read it – which digits (first 2?) and which direction (down each column?)

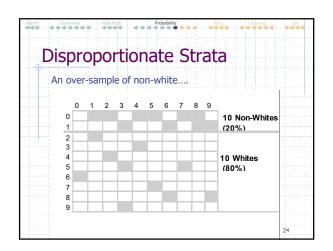
Doesn't matter how you do it, just be consistent

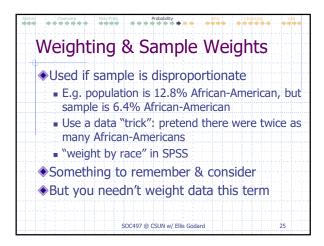
Pick a random starting point (just the starting pt.)

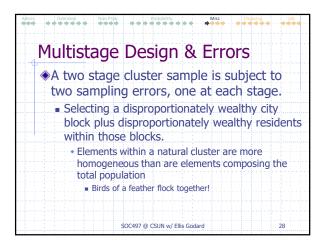
Some numbers won't be useable; just skip those

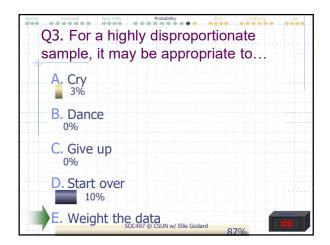
Adv: eliminates bias, permits inference

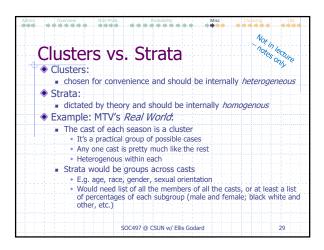
Disadv: time consuming, need entire sampling frame, expensive (tho less w/ PCs)

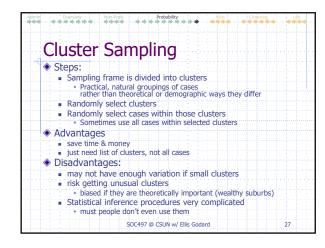


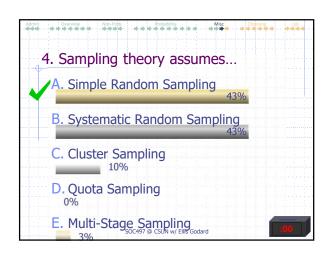




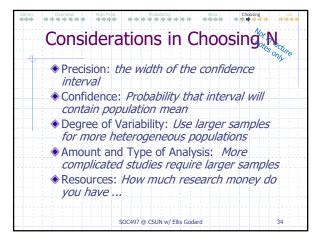


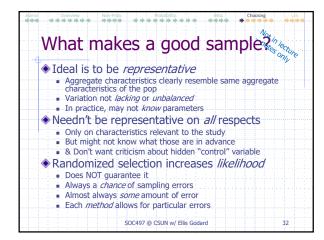


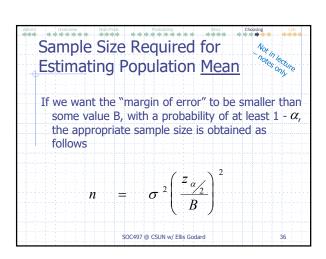


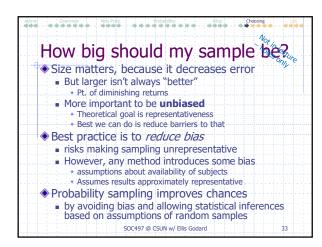


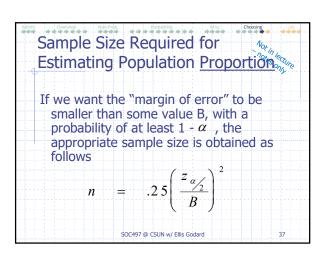
Homogeneity vs. Heterogeneity Failure of early polls was not adequately representing the full range of voters Sometimes ok to assume all cases alike Blood samples Social psychology - Many studies based on college sophomores in a psych class But usually, we're concerned with heterogenous populations Indeed, we focus on differences & variations

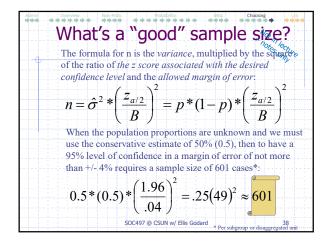


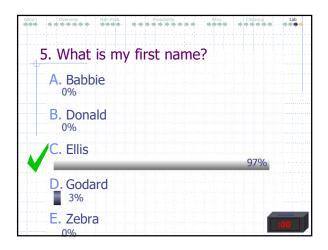


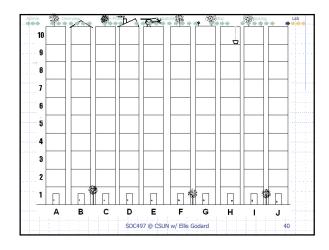


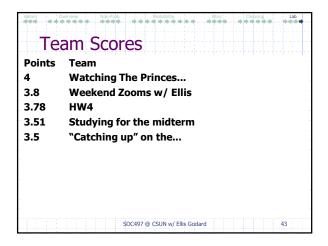












Today's Lab: Sampling Effects

See 2-page handout of apartments

10 buildings w/ 10 apts each, 1st floor to penthouse

You'll do each (every!) form probability sampling

Drawing same sample size from same sampling frame

Compare results of the four different methods

Numbering hints (not needed in A)

B: Use 00-99 (not 1-100), or else need 3-digit #s

C: 0-9 (per row, i.e. "floor" of the buildings), 10 times

D: 0-9 bldgs for SiRS, then 0-9 in each of 2 for SyRS