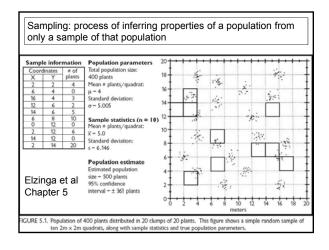
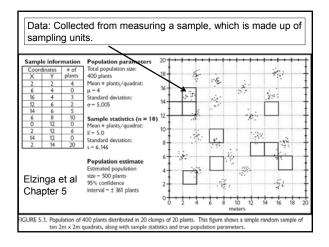




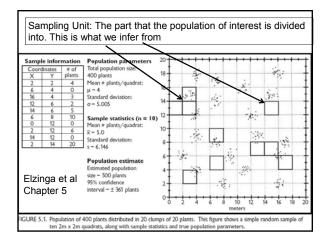
o produc	e <u>nui</u>	<u>inders</u>				
Sample infor Coordinates X Y 2 2 6 4 16 4 12 6 14 6 6 8 0 12 2 12 14 12 12 14	mation # of plots 4 0 3 2 5 10 0 6 0 20	Opulation parameters 20 Total population size: 18 400 plants 18 µ= 4 16 standard deviation: 16 or 5.005 14 Examples: 1 • The diameter at breast height (i • The length of a rotten log	inches) o	of a PIP	20	
Elzinga (Chapter		• The <u>number</u> of eggs in a nest (i • The <u>height</u> (cm) of a snowberry interval $-\pm 361$ plants	v shrub	ze) with	in a star	nd



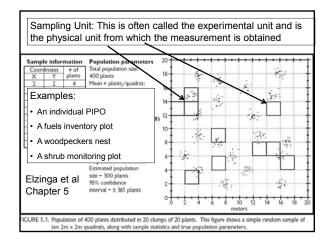




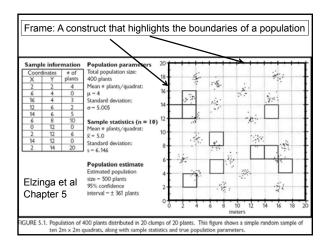




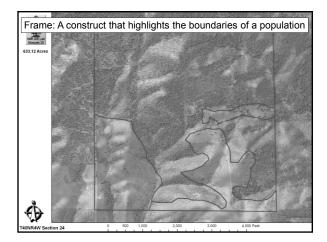




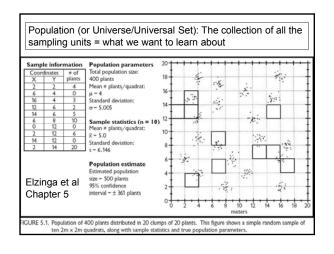














Sample Coord X 2 6 16 12 14 6 0 2 14 2 14 2	inates Y 2 4 4 6 6 8 12 12 12	mation # of plants 4 0 3 2 5 10 0 6 0 20	Population parameters Total population size: 18 19 100 plants 19 100 plants 19 10 100					
2	14	20	= { 9, 12, 14, 6, 23, 7, 13,}					
			A set of <u>all</u> the lengths of each rotten log measured within a watershed that has been selected for a pre-fire treatment					
		5	= { 10, 1.5, 6, 9.5, 14, 8, 20,5,}					
			meters					

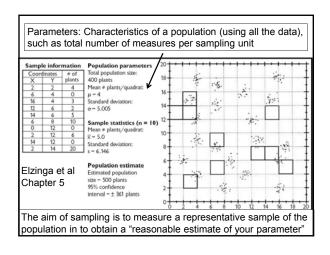


		or Universe/Universal Set): The collection of all the its = what we want to learn about					
Coordinat X 2 6 16	formation xes # of Y plants 2 4 4 0 4 3 6 2	Population parameters 20 Total population size: 18 400 plants: 18 Mean e plants; quadrat: 14 16 14 0 - 5.005 14					
14 6 0 1 2 1 14 1	6 5 8 10 12 0 12 6 12 0 14 20	Examples: • The set of all the numbers of eggs in all the nests within a stand					
Elzing Chapte		= {0, 0, 0, 0, 3, 0, 2, 0, 1, 0, 0, 3,} Remember: ALL Populations are just sets of <u>NUMBERS</u> 0 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +					
	meters GURE 5.1. Population of 400 plants distributed in 20 clumps of 20 plants. This figure shows a simple random sample of ten 2m x 2m quadrats, along with sample statistics and true population parameters.						

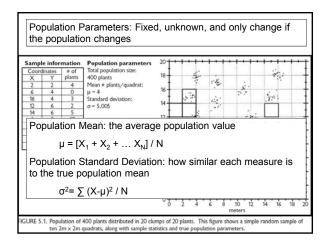


/	/		ulatio					
X Y plants 400 pl 2 2 4 Mean 6 4 0 µ-4 16 4 3 stands 12 6 2 or-51 14 6 5 or-51 6 8 10 Exar 0 12 6 + A sa 4 12 6 + A sa 0 12 6 • A sa	oopulation size: lants # plants/quadrat: ard deviation:	20 18 16 14	est wit	thin th	e star		je.	
	ember: ALL Po al = ± 361 plants		ns are	just s	ets of	NUI		18

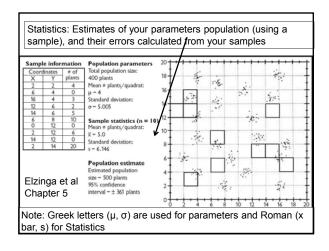














Sample Statistics: Derived descriptors derived from a sample that provide estimates of the population parameter							
Sample Mean: Estimate of the p X (bar) = $\Sigma X / N$	opulation mean from a sample						
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$							
Sample Standard Deviation: how similar each measure is to the sample mean							
S ² = $\sum (X-x(bar))^2 / n-1$ FIGURE 5.1. Population of 400 plants distributed in 20 clumps o ten 2m x 2m guadrats, along with sample statistics							

