KEY

AP Chapter 7 Review

A number that describes the whole population is known as a PARAMETER

A number that is calculated from a sample is known as a STATISTIC to estimate a PARAMETER.

In Section 7-2, we used a <u>Sample properties</u> to estimate a population proportion. In Section 7-3, we used a <u>Sample mean</u> (\overline{x}) to estimate a population mean.

Summary:

	Sample Proportions	Sample Means
What is the parameter?	P	M
What is the statistic?	(A	×
Draw Sampling Distribution.	Sampling DIST. of P	Sempling Dist of X
	P Mg	IN MY
When is the sampling distribution approximately normal?	NORMAL LARGE COUNTS	THE POPULATION DISTRIBUTION IS APPROX. NORMAL OF
	n (1-p) ≥ 10	#2 IF THE SAMPLE IS LARGE, CLT (n > 30
What is the mean of the sampling distribution?	U\$= P	M=M
What is the standard deviation of the sampling distribution?	$6p = \sqrt{\frac{P(1-p)}{n}}$	$G_{\overline{x}} = \frac{G}{Jn}$
What condition must be satisfied in order to use the above S.D. formula?	INDEDENT Sampling W/oreplecem	
What is the formula for a z-score?	Z = P-P PCI-PA	Z= X-M

Key Points of Binomial Distributions (CH6)

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