

SESSION 5 OF

STATISTICS FOR BUSINESS

DR. SURESH KUMAR GADI

UNIVERSIDAD DE LAS AMÉRICAS PUEBLA



CONTENT

Point
estimation

Central Limit
Theorem

Normal
distribution

TERMINOLOGY

Population

Sample



RANDOM SAMPLING

Lottery method

Table of random
numbers

Software generated
random numbers

EXAMPLE

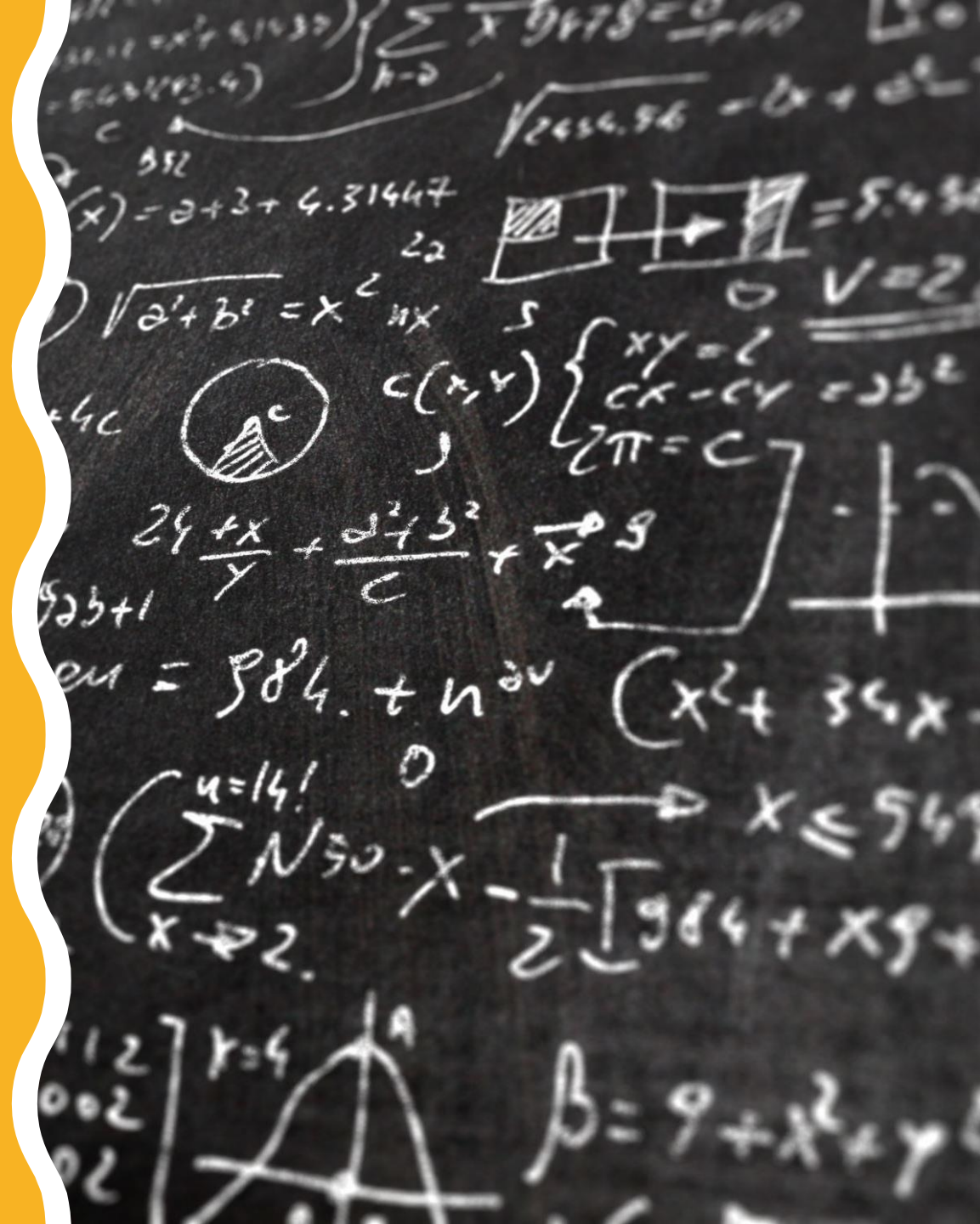
SAMPLING

POINT ESTIMATION

MATHEMATICAL NOTATIONS

	Population	Population estimate	Sample
Mean	μ	$\hat{\mu}$	\overline{x}
Variance	σ^2	$\hat{\sigma}^2$	s^2
Standard deviation	σ	$\hat{\sigma}$	s
Population portion	p	\hat{p}	P

CENTRAL LIMIT THEOREM



A decorative graphic on the left side of the slide, consisting of two parallel, wavy vertical lines. The inner line is yellow and the outer line is white, both set against a dark brown background.

EXAMPLE



THANK YOU