

STT 200 Lec. 4 SEC. 13-16 9-2-09

Note Title

9/2/2009

PROF. RAOUL LE PAGE

A 428 WELLS HALL

LEPAGE@SPR.MSU.EDU

SUE A 405 WELLS (REGISTRATION)

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CH. 1. STATISTICS (OLD) INFORMATION GATHERED BY THE STATE,
(PRES. 1.) SUBJECT OF
→ (PRES. 2) FORMS OF CALCULATION ON DATA
→ (PRES. 3) RESULTS OF CALCULATION ON DATA.

STATISTIC O-SING

(PRES. 2) "THE MEAN AGE"

(PRES. 3) "MEAN AGE OF MSU STUDENTS IS 19.6 YRS."

ABOUT (PRES. 1).

- a. PROPERTIES & CONSEQUENCES OF BELL CURVE. ✓
- b. USES AND PROPERTIES OF RANDOMIZATION. ✓

c. STATISTICAL MODELS. ✓

d. HOW BEST TO ESTIMATE. ✓

e. MARGINS OF ERROR. ✓

f. DESIGN OF EXPERIMENTS.

g. ~~DATA REDUCTION~~ etc.



IS IT A "CLOCK", OR "JUST A NUMBER" P. 3

CH. 2. DATA, QUANTITATIVE OR CATEGORICAL VARIABLES.

P.O.	NAME	TO	#	AREA	PREV. CD PURCHASE	GIFT?	ASIN	ARTIST
10875489	K.H. OH	12.99	440	NASHVILLE	N	BOONISYS	KANLSAS	
NAME OF	C	C	Q	?	C	C	?	C
P.O.	AVG.							
YEAR	WINNER	ORIGIN	TIME	SPEED km/h	STAGES	DIST km		
1903	M. BARRIN	FRANCE	94.33.00	25.3	6	2428		
PIU	C	C	Q	Q	Q	Q	Q	Q
NAME FOR SUBJECT								



$$P(\text{win}) = P(\text{GET FIRST and GET 2nd and GET 3rd})$$

$$= \frac{3}{15} \cdot \frac{2}{14} \cdot \frac{1}{13}$$

0 1 2 3 4 5 6 7 8 9

5 3 8/16!



14.