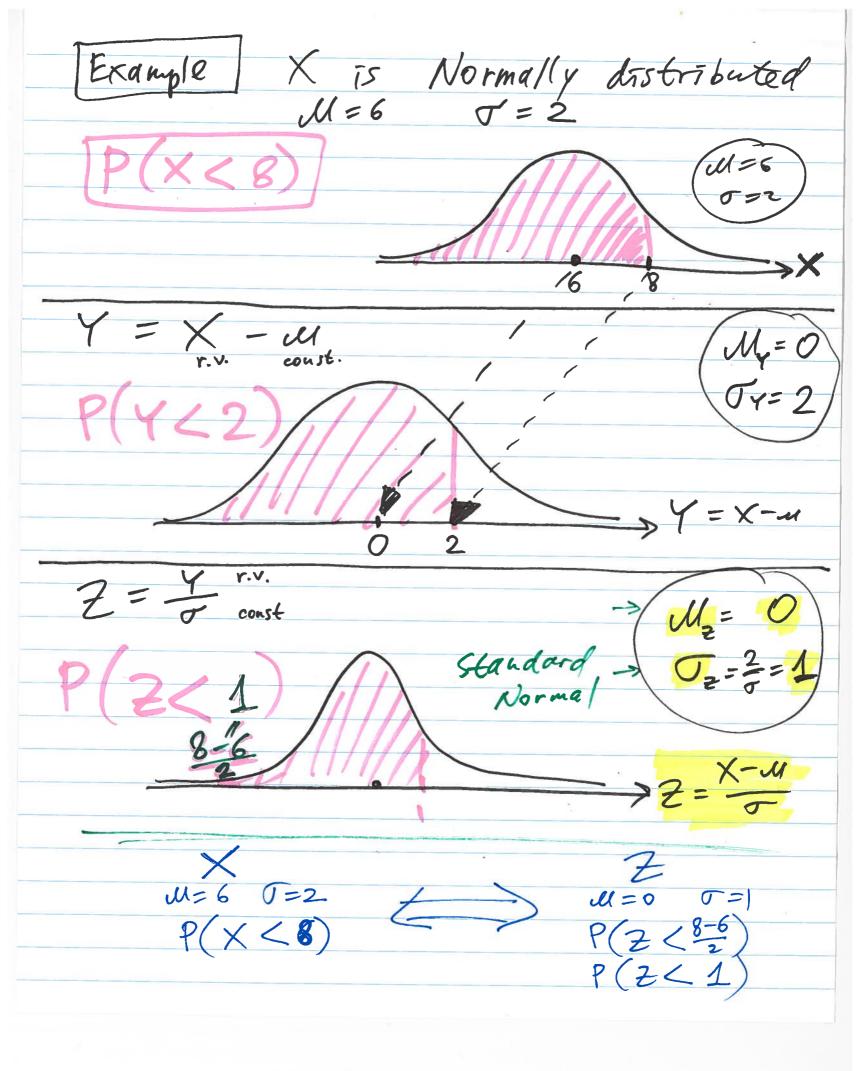
Lecture 10, Stide 12 U = 939 T = 245 2) P (939-25(X < 939+25) $U_{\overline{x}} = M = 939$ $U_{\overline{x}} = \sqrt[3]{\sqrt{n}} = \frac{245}{\sqrt{50}} \dots$

Lecture 10, slide 13 T = 245 P (M-25/X/M+25)

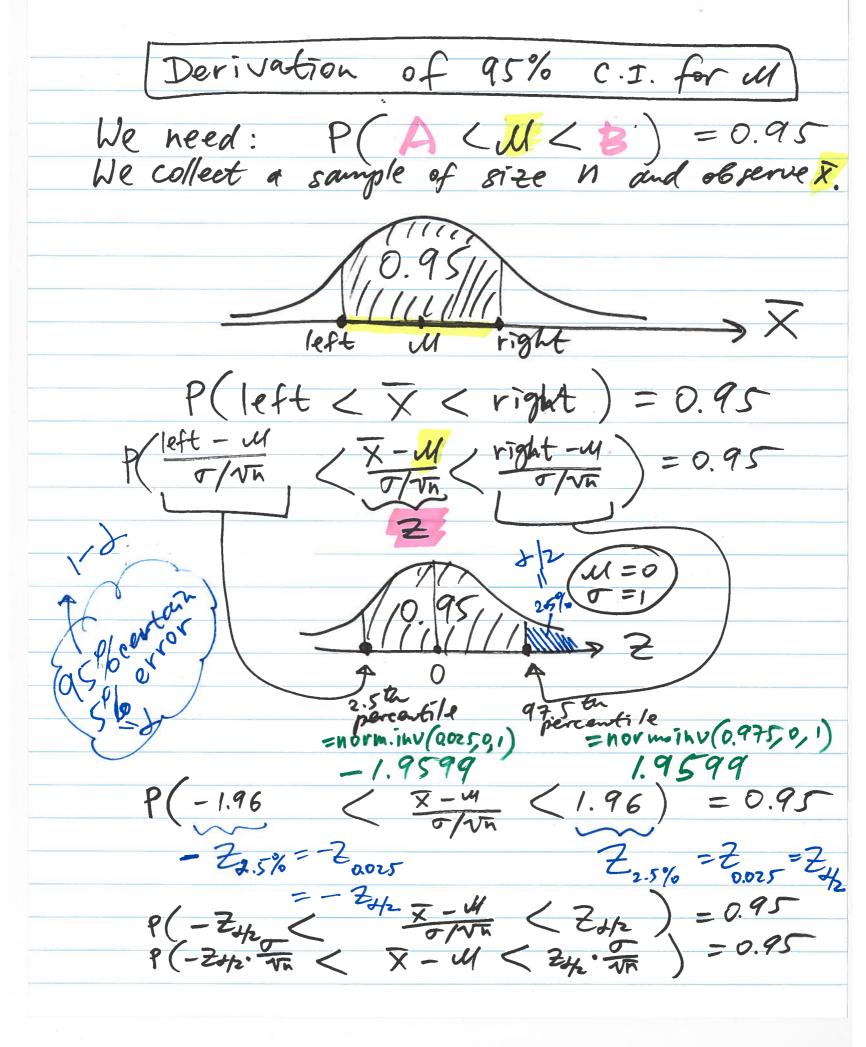
_score transformation

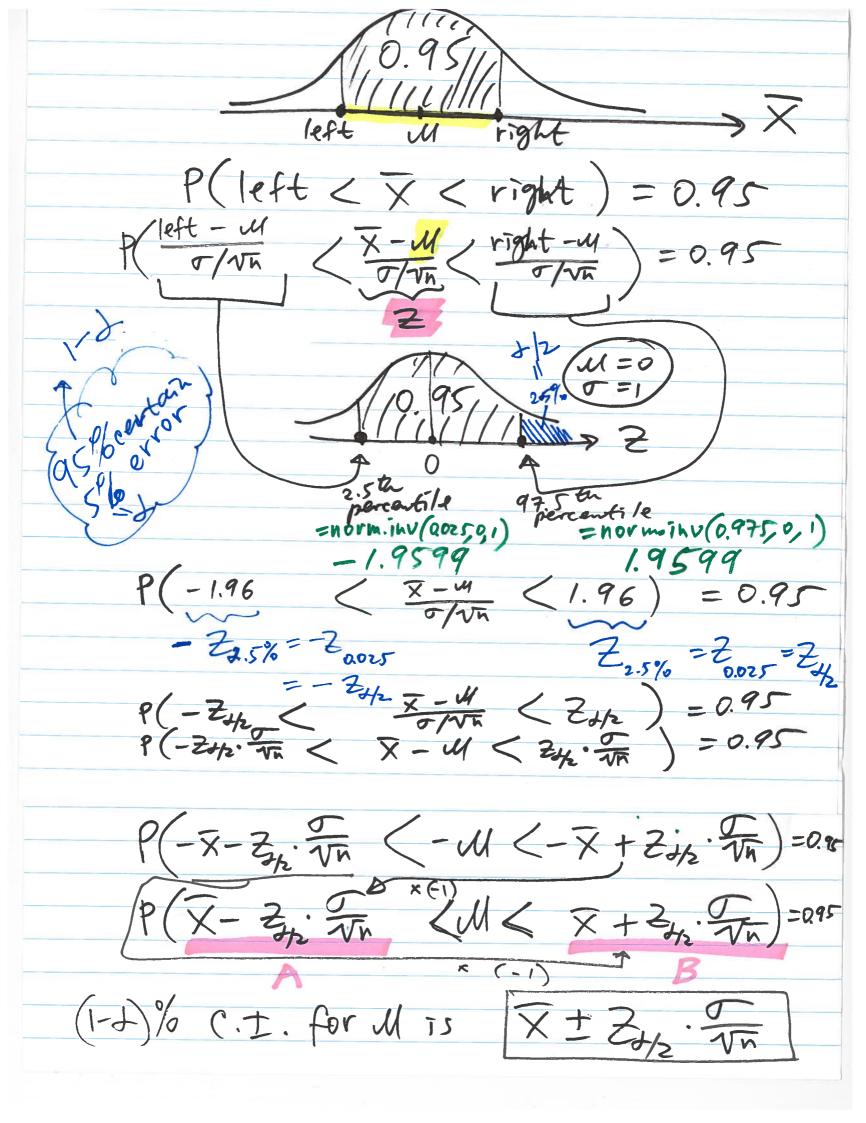
200

(U+25)-M < 2 < 25 245



ONFIDENCE NTERVAL to estimate the average We want Malloween spending households this population X=420 =??? (\$350) of M worlead: error (sampling is here with high onfrdence Q1: What happens to the width of the intervalit sample size (n) increases? Narrower. if confidence level Thoreases?





Stide 1000 X = 69= norm.inv (0.995, 0, 1 = norm.s.inv(0.995) 0.407 2.5756 marku error , 69.41 99% confident that McDonald's verall average satisfaction score (nationally) is between 68.59 a 68.59 and points out of 100 possible. 69.41