

Lesson 16

$Z_{.03}$ → area to the right of my Z value



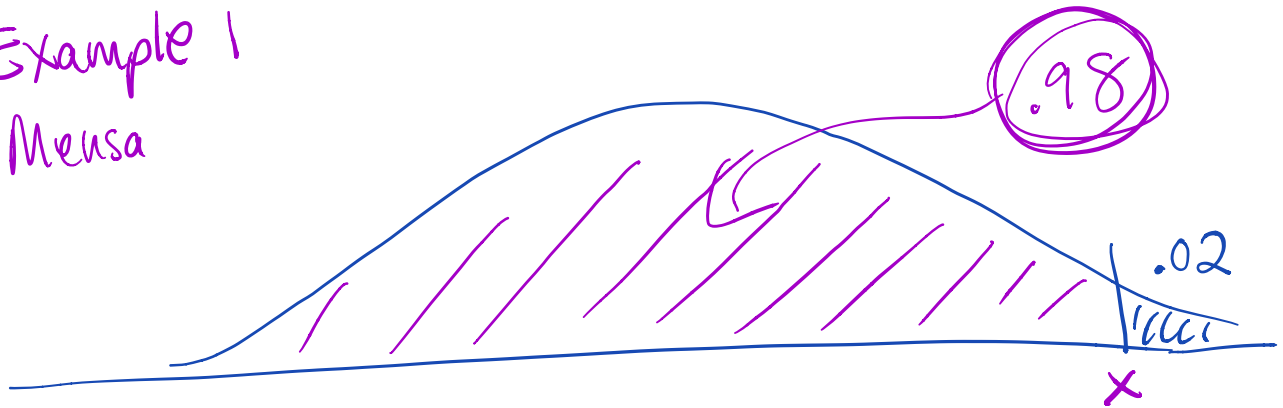
Given a probability

→ recover the corresponding Z -score

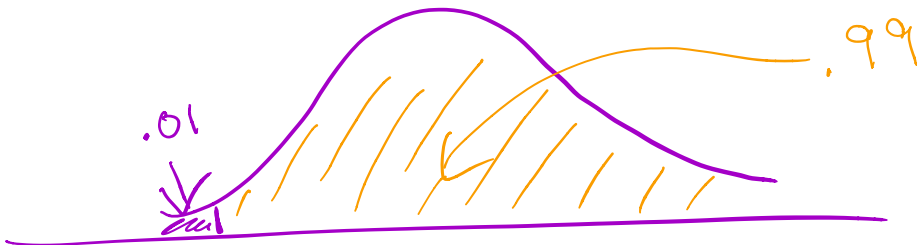
use $\text{NORM.S.INV}(.97) = 1.88079\dots$

Example 1

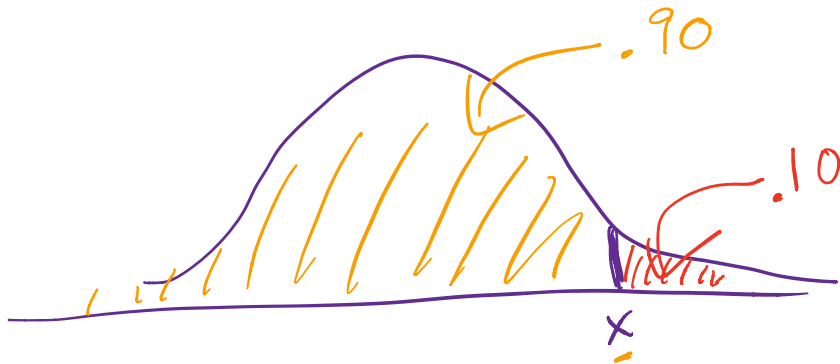
Mensa



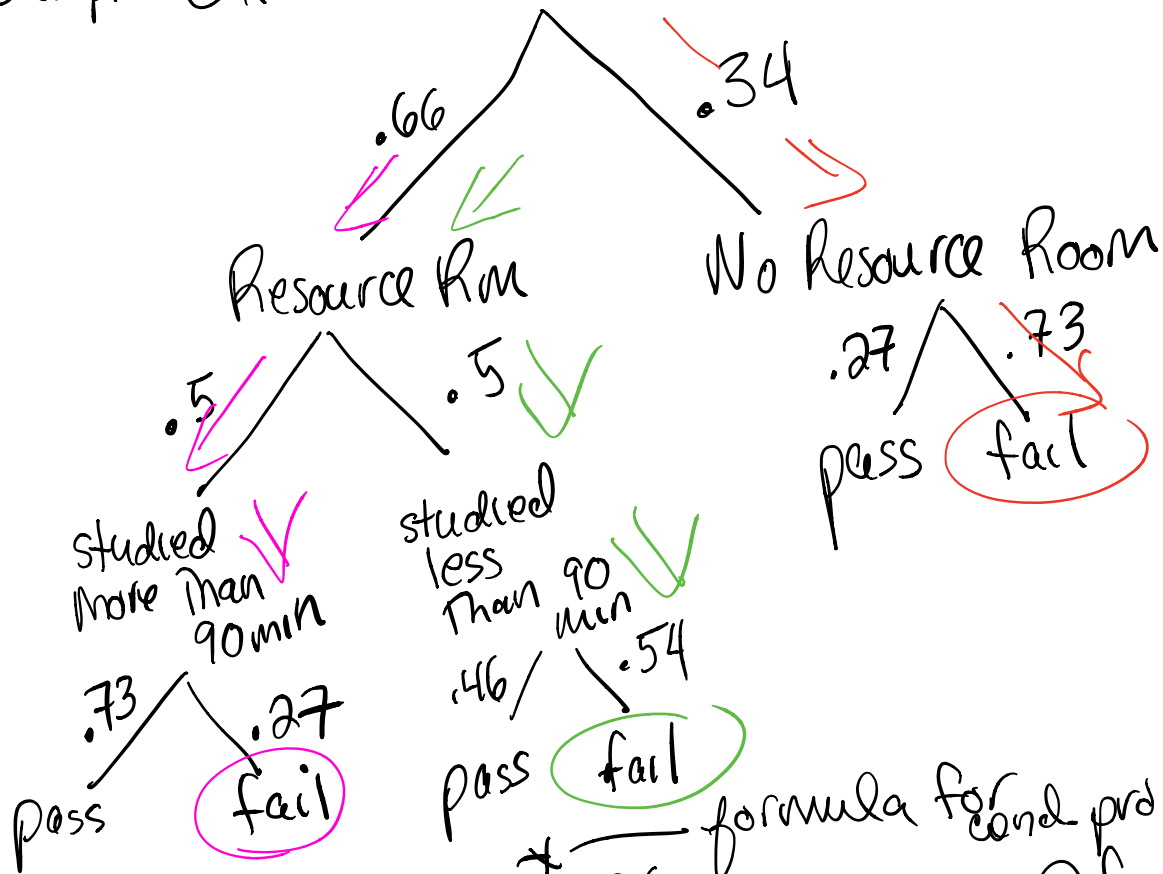
Example TV ex



Ex Real Estate Exam
 "highest 10%"



Sample Exam #4



* formula for cond prob

$$P(\text{no resource room} | \text{fail}) = \frac{P(\text{no resource room} \cap \text{fail})}{P(\text{fail})}$$

$$= \frac{.34 \cdot .73}{P(\text{fail}) + P(\text{fail}) + P(\text{fail})} = \frac{.34 \cdot .73}{(.66 \cdot .5 \cdot .27) + (.66 \cdot .5 \cdot .54) + (.34 \cdot .73)}$$

Bayes' Theorem
4.7?

$$= .4814743$$