Lecture V

$$7 = 90.1$$

$$7 = 90.1$$

$$7 = 50,70,85$$

$$7 = 15.6$$

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$$1.5E = 171,01$$

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gnorm (0.05) =
$$-2^{x}$$

gnorm (0.95) = Z^{*}
 $(1-\alpha) + \frac{\alpha}{2}$
 $(1-\alpha) + \frac{\alpha}{2}$
 $(1-\alpha) + \frac{\alpha}{2}$
 $(1-\alpha) + \frac{\alpha}{2}$

(a)
$$90.1 \pm 1.645. \frac{15.6}{150}$$

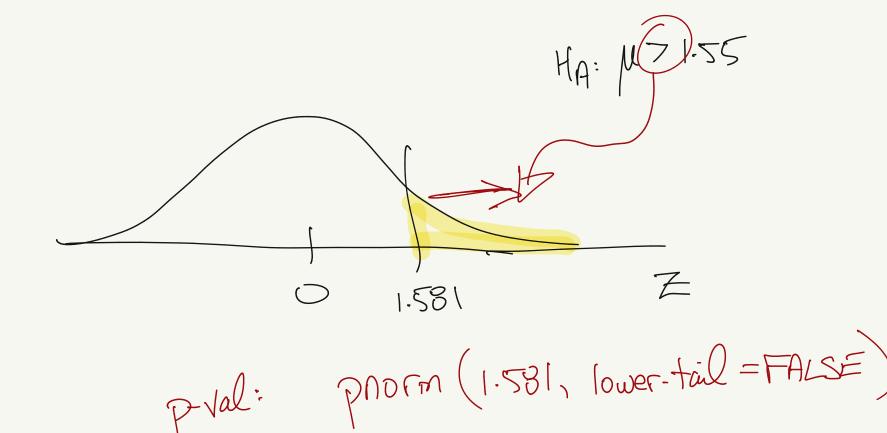
(b) $90.1 \pm 1.645. \frac{15.6}{170}$
(c) $90.1 \pm 1.645. \frac{15.6}{170}$

5)
$$\mu$$
, $\nabla = 0.1$

Advertise: $\mu = 1.5$

(i) Ho:
$$\mu = 1.5mg$$
 OR $\mu \leq 1.5mg$
 $H_A: \mu > 1.5mg$

X = 0.05



:. Since 0.058 > 0.05, we do not have evidence at the 95% (or at the 0.05 level) to reject the null; we cannot disprove the company's Claim that $\mu = 1.5$.