

# UNIVARIATE STATISTICAL ANALYSIS

## TUTORIAL SESSION 8

### HYPOTHESIS TESTING (ONE TAILED)

#### Chapter 10

Question 10.52 (page.539) – Salary

Question 10.53 (page.539) – Big Mac Price

#### Extra Question 1.

Given that  $\bar{x} = 150$ ,  $\sigma = 100$  and  $n = 200$ , test the following hypotheses with  $\alpha = 0.05$

$$H_0: \mu = 160$$

$$H_a: \mu < 160$$

#### Extra Question 2.

From a normal population whose standard deviation is 82.09. Test with  $\alpha = 0.05$ , sample of 100 and sample mean of 682. Can we conclude that the population mean is greater than 626.4?