## **Computer Science Department**

## **Second Semester 2017/2018**

## **Comp332 – Human Computer Interaction**

## **Instructor: Mamoun Nawahdah**

## **Class Experiment – Home Work**

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***HCI Course student Satisfaction – Experiment***

***Null hypothesis:*** *there is* ***No*** *significant difference between HCI course students gender (males and females) over there subjective satisfaction in terms of course content/ teaching methodology/ course instructor/ easiness/ boringness / and funniness.*

***Alternative hypothesis:*** *there is* ***a*** *significant difference between HCI course students gender (males and females) over there subjective satisfaction in terms of course content/ teaching methodology/ course instructor/ easiness/ boringness / and funniness.*

***Grouping:*** *between groups*

***Independent variable:*** *1, (Gender)*

***Conditions:*** *2 conditions*

1. *Females*
2. *Males*

***Dependent variable:*** *6 Variables (Subjective satisfaction)*

1. *Course content.*
2. *Teaching methodology.*
3. *Course instructor.*
4. *Easiness.*
5. *Boringness.*
6. *Funniness.*

***Subjects:*** *31 Students*

***Data collection techniques:*** *Questionnaire*

***Questioner questions:***

1. *How satisfy are you with HCI course in terms of content?*
2. *How satisfy are you with HCI course in terms of teaching methodology?*
3. *How satisfy are you with HCI course in terms of the course instructor?*
4. *Do you think HCI course is easy?*
5. *Do you think HCI course is not boring?*
6. *Do you think HCI course is fun?*

***Data analysis technique:*** *independent-samples* ***t- test***

***Data analysis results:***

***Q1: Mean: F: 3.9375 M: 3.6 🡺 T(29) = 1.065***

***Q2: Mean: F: 3.75 M: 4.69 🡺 T(29) = -3.38***

***Q3: Mean: F: 4.69 M: 3.87 🡺 T(29) = 3.39***

***Q4: Mean: F M: 🡺 T(29) =***

***Q5: Mean: F M: 🡺 T(29) =***

***Q6: Mean: F M: 🡺 T(29) =***

***Accepting or rejecting the null hypothesis?***