Selected Topics in Computer Engineering
ECE 344C

Benha University

Computer Systems Engineering
Electrical Engineering Department

Faculty of Engineering
(at Shoubra)

Semester Project

Problem Statement:

Using Weka, apply what you have learned during *Selected Topics in Computer Engineering* course to a data mining **classification** problem of your choice.

Acceptable Dataset Sources:

1. Central Agency for Public Mobilization and Statistics (CAPMAS)
2. Google's Public Data Explorer (Public Data)
3. Journal on the Teaching and Learning of Statistics (JSE)
4. UCI Machine Learning Repository (Datasets)
5. NASA Space Science Data Coordinated Archive (NSSDCA)
6. I'm open to suggestions.

Deliverables (in electronic form**):**

1. Detailed Report containing
   i. Documentation of each step performed
   ii. Specifications of the dataset used
   iii. Description of the concept learned
   iv. Comparison of results obtained using different classifiers
   v. Justification of results
2. Raw (Original) Data
3. Processed (Cleaned) Data
4. Weka outcomes

Due Date:

Wednesday, 22/04/2015.

Grading:

The project is worth **15 marks** distributed as follows:

- Amount of work   5 marks
- Presentation   5 marks
- Quality of concept   5 marks

Groups:

Every group must consist of exactly **two** students.

Good Luck
Dr. Islam Elshaarawy