



EASTERN UNIVERSITY, SRI LANKA
DEPARTMENT OF MATHEMATICS
FIRST EXAMINATION IN SCIENCE – 2012/2013
SECOND SEMESTER – (August / September, 2015)
CC 153 – BIO-STATISTICS (PRACTICAL)
(Proper Report)

Two hours

Teacher has collected data from a university to identify the factors effect for the GPA of undergraduates. The collected data are in text file "GPA.txt". Description of the data is given below.

- Gender : Gender of student
1 : Male 2 : Female
- Age : Age of the student in years
- Class : The academic year of the student
1 : First Year 2 : Second Year 3 : Third Year 4 : Fourth Year
5 : Other
- Height : Height of the student in inches
- Weight : Weight of the student in pounds
- Study_hrs : Number of studying hours per week
- Sleep_hrs : Sleeping hours per day
- Job : Employability of the students
1 : Employed 2 : Unemployed
- Text_Payment : Average amount of money students pay for text books per month
- Residence : Student's residence during study period
1 : Home 2 : Hostel 3 : Boarding House

NA stands for **Not Available**.

Use these data to achieve the above objective and prepare a statistical report. Your report should consist of introduction, composition of sample, preliminary analysis, confirmatory analysis, conclusions and recommendations.