**TEAM ASSIGNMENT**

This assignment is based on the case “IBM 735 Data-enabled insights from sericulture: Jayalaxmi Agro Tech”.

Data: ‘jayalaxmi.xls’

Tasks

1. Using the data available in the file ‘jayalaxmi.xls’, develop the best regression model you can for predicting *income\_per\_acre*.
2. Explain what you have done and why in a brief and clear way, reporting the regression equation and a measure of the goodness of fit.
3. How much variation in *income\_per\_acre* are you able to explain with the variables included in your model?
4. According to the sample used and your model, what is the most important single factor explaining *income\_per\_acre* ?
5. A farmer is considering a single investment of 15,000 Rs per acre in an effective temperature management system in rearing house. This farmer is not planning to make any other investments. Advice this farmer on this particular investment.
6. How effective the training programs are? Does receiving a formal training on sericulture increase the income per acre?

Submission

Submit the exercise (one document per TEAM) through Virtual Campus in a single pdf document with your names on top.

Name the document with your TEAM name, example: "Team1.pdf".

Maximum length (including all exhibits and graphs): 7 pages one-sided

Layout: 11pt font size or higher. At least 2.5cm margins

Deadline: Monday, December 9, 23:30h.