



Basic Statistical Course

Course objectives:

Getting a basic knowledge of Statistics

1. The use of Statistics

- Terminology
- The statistically Research Process
- Different types of data
- Statistical categories of analysing data

2. Sampling and probability terminology

3. Graphical Descriptive Techniques

- Setting up a frequency table (discrete and qualitative data)
 - Histograms
 - Frequency tables
- Presenting a dataset in different ways
 - Bar graphs
 - Pie charts
 - Line graphs
 - Scatterplots etc

4. Numerical Descriptive Measures

Ungrouped data

- Location
 - Mean, median, mode, geometric mean, harmonic mean
- Dispersion
 - Variance, standard deviation, range and cv
- Symmetry and kurtosis

Grouped data

5. Discrete probability distributions
6. Test of Hypotheses and important continues distributions
7. Introductory to Analysis of variance
8. Linear regression and correlation and other

Quotation amounts:

Basic Statistical Course = R500 per attendant / day

PowerPoint slideshows handouts will be given.

The travel and accommodation of the presenter must be arranged and paid for.

Course program:

- | | |
|--------------|--|
| 8:00 - 8:30 | Registration |
| 8:30 - 9:45 | The use of Statistics & sampling and probability terminology |
| 9:45-10:00 | Refreshments |
| 10:00 -10:55 | Graphical Descriptive Techniques |
| 11:00 -12:00 | Numerical Descriptive Measures |
| 12:00-12:30 | Discrete probability distributions |
| 12:30- 13:15 | Lunch |
| 13:15-14:00 | Test of Hypotheses and important continues distributions |
| 14:00-15:00 | Introductory to Analysis of variance |
| 15:00-15:15 | Refreshments |
| 15:15-16:00 | Linear regression and correlation and other |

For more information, contact Nicolene Thiebaut

Email: ThiebautN@arc.agric.za ~ Tel: 012 427 9814