



Dempo Charities Trust's  
DHEMPE COLLEGE OF ARTS & SCIENCE  
Miramar, Panaji-Goa

## BASIC STATISTICS AND ECONOMETRICS COURSE

### **Course objective:**

To develop in students the data analysis and interpretation skill with a theoretical background.

### **Course Content:**

#### **Module I:**

Introduction to statistics – Data sources and data organisation. Measures of central tendency – Mean, Median and Mode.) Measures of dispersion (Range, Standard Deviation and coefficient of variation.

#### **Module II:**

Introduction to the Theory of probability – Probability density function, Theoretical distributions – Introduction to normal distribution, standard normal distribution , t- distribution ,chi-square and F-distribution.

#### **Module III:**

Statistical testing – Null and alternative hypothesis- Z test , t test , F test ,ANOVA

#### **Module IV:**

Introduction to Econometrics-assumptions- OLS procedure to estimate regression coefficients- Econometric model building (simple and multiple) and interpretation – Rsquare ,F values and P value. Functional forms in econometrics.

**Module V:**

Problems of Econometrics-Heteroscedasticity, autocorrelation and multicollinearity

**Course outcome:**

Students will be able to analyse, interpret socio economic data and derive conclusions and policy prescriptions.

## Certificate Course in Basic Statistics and Econometrics

Sr.No.	Name of the Students	11-11-2019	12-11-2019	13-11-2019	14-11-2019	18-11-2019	19-11-2019
1	LERISSA SAWANT	Sawant	Sawant	Sawant	Sawant	Sawant	Sawant
2	JENNISCIA B. DIAS	Dias	Dias	Dias	Dias	Dias	Dias
3	RESHMA A. A. SHAIKH	Reshme	Reshme	Reshme			
4	SANDHYA DAYAL	Sandya	Sandya	Sandya	Sandya	Sandya	Sandya
5	AKSHATA A. BODKE	Bodke	Bodke	Bodke	Bodke	Bodke	Bodke
6	YOGINI MALVANKAR	Malvankar	Malvankar	Malvankar	Malvankar	Malvankar	Malvankar
7	HRIDYA SUDARSAN	Sudarsan	Sudarsan	Sudarsan	Sudarsan	Sudarsan	Sudarsan
8	ANISH DHOPESHWARKAR	Dhopeshwarkar	Dhopeshwarkar	Dhopeshwarkar	Dhopeshwarkar	Dhopeshwarkar	Dhopeshwarkar
9	PALLAVI BETKEKER	Betkeker	Betkeker	Betkeker	Betkeker	Betkeker	Betkeker
10	Saif U Rahman	Saif U Rahman	Saif U Rahman	Saif U Rahman	Saif U Rahman	Saif U Rahman	Saif U Rahman
11	Gauravi Khandekar	Khandekar	Khandekar	Khandekar	Khandekar	Khandekar	Khandekar
12	Jason Fernandes	Fernandes	Fernandes	Fernandes	Fernandes	Fernandes	Fernandes
13							
14							
15							

Ms. Kanya Sudarsan





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Dhempe College of Arts and Science  
Panaji, Goa**

**Basic Statistics and Econometrics course**

The Department of Economics organized a skill development course on “Basic Statistics and Econometrics” on the 11th, 12th, 13th, 14th, 18th and 19th November 2019. The objective of the course was to develop the skills of the students in data analysis and interpretations with a theoretical background. The resource persons for the course were Dr. Dhaneesh Kumar T.K, Assistant Professor, Department of Economics, Dnyanprassarak Mandal's College and Research Centre, Shri Hussain Yasser Razak, Department of Economics, MES College of Arts and Commerce and Ms. Kavya Sudarsan, Department of Economics, Assistant Professor, Dhempe college of Arts and Science. A total of 12 Economics students from FYBA and SYBA attended and benefitted from the course.