

VIVEKANANDA MAHAVIDYALAYA, BURDWAN

(NAAC Re-Accredited (B⁺) with PG in Chemistry and Affiliated to The University of
Burdwan)

DEPARTMENT OF ECONOMICS

(Under the Aegis of IQAC)

ORGANISES AN

ADD ON COURSE

On

Basic Learning of Economics Software

(SPSS, E-Views, Stata)

Date: From 07.08.2023 to October 2023

36 Hours of Classes

Venue: Department of Economics, Vivekananda Mahavidyalaya, Burdwan

Contact Us

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Mobile: 9679631416 (Prof. Subhendu Bag)

Visit us on the Web: www.vmbdn.in

Registration Link: <https://forms.gle/pXXasmSfEEvgZUuZ6>

Last Date of Registration: 05.08.2023

➤ **Course Objective:**

Different Software packages for Social Science is an important key of data analysis, reporting and modelling. These are the analytical software for quantitative and qualitative data analysis. This programme is worked out to develop the basic knowledge of econometric software i.e. SPSS, E-Views and STATA. This course will be helpful for the students having goal of Research, data analysis capacity and skills building for future study. The Understanding of above software may be helpful for the Study and analysis of Health, Demographic, Environmental, Financial conditions and other aspects of Social Science in advance level.

➤ **UTILITY OF THE COURSE**

- ✓ For **Higher Studies, Research work in different Lines of Social Science**
- ✓ For increasing Capability of Students to Compete in **Job Markets (both Public and Private)**

Course Content

- 1. Basic Data Management in SPSS**
- 2. Descriptive Statistics Using SPSS**
- 3. Tabulation Representation in SPSS**
- 4. Correlation in SPSS**
- 5. Linear Regression Analysis in SPSS**
- 6. Over View of Time Series Data and Panel Data & their test**
- 7. Basic Data Management in E-Views**
- 8. Linear Regression Analysis & Unit Roots, VAR Test on Time Series Data**
- 9. Panel Data: Fixed Effect & Random Effect Models**
- 10. Basic Data Management in Stata**
- 11. Relationship between Variables in Stata**
- 12. Tabulation & Graphical Presentation in Stata**
- 13. Creating 'do file'**
- 14. Linear Regression Analysis in Stata**

➤ **Eligibility Criteria of Joining this Course:**

Student from this institute, pursuing B.A/ B.Sc in any Social Science Subjects are eligible to participate in this Course. Participants must use their own Laptops. Additionally, students must attend all lectures with due diligence and discipline and must fulfill the requirement of appearing in the final examination upon completion of the course.

➤ **Evaluation:**

Upon the conclusion of this course, students will be required to appear in a Practical examination along with presentation of Assignment paper to demonstrate their understanding and knowledge of the subject taught.

➤ **How to enroll in the course?**

Click the following Google form Link: <https://forms.gle/pXXasmSfEEvgZUuZ6>

and fill up the form in order to join in the course.

➤ **Certificate of the Course:**

Upon the satisfactory fulfillment of the course requirements, which include passing the examination and attending all classes, each candidate will be awarded an add-on course certificate in **Data Analysis using Economies Software (SPSS, E-Views, Stata)**.

Chief Patron: Sri Paresh Chandra Sarkar, President, Governing Body Vivekananda Mahavidyalaya, Burdwan, Purba Bardhaman

Patron: Dr. Sibaprasad Rudra, Principal, Vivekananda Mahavidyalaya, Burdwan, Purba Bardhaman

Advisor: Dr. Animesh Debnath, Coordinator, IQAC & Associate Professor of Economics, Vivekananda Mahavidyalaya, Burdwan, Purba Bardhaman

Coordinator: Prof. Subhendu Bag, Assistant Professor, Department of Economics

Jt. Convener: Prof. Goutam Sarkar, Associate Professor, Department of Economics

Jt. Convener: Dr. Tanushree De, Assistant Professor, Department of Economics

Organizing Committee: All the Faculty Members, Department of Economics

➤ **Course Outcomes:**

At the end of the course, the participants would be able:

- ✓ To prepare the coding plan and create data set
- ✓ To describe the nature of variables
- ✓ To describe the application of software in data analysis
- ✓ To conduct data analysis on prepared data-set by using software

The tentative schedule of the course has been attached herewith. Though, the schedule can be altered if required and the students will get the notification in time as well.

Course Materials:

All the academic course materials, PPT etc. will be provided to the students if required. The interested students may approach the respective teachers if they find any difficulties while accessing the course materials.