



**VISHWAKARMA  
UNIVERSITY**

*Maximising Human Potential*

University Grants Commission (UGC) Approved State Private University

*Research Cell and Department of Economics,  
Vishwakarma University, Pune*

*Presents*

**Joint Summer School  
On**

**STATISTICAL &  
ECONOMETRIC SKILLS  
WITH STATA**

**27th June to 15th July**  
(Monday to Saturday, 9 am to 2 pm)

Mode of Conduction: Offline  
Number of Participants: Maximum - 50

## About the summer school

Research cell and Department of Economics (Faculty of Humanities and Social Sciences) of Vishwakarma University is organizing its first summer school of three weeks for students and scholars of economics to enhance their theoretical and applied statistical and econometric skills with STATA software. With the support of scholars and professors from reputed universities, we have developed standardized qualitative applied skills-oriented content for economic students and scholars.

### Objectives:

01

To develop a strong theoretical understanding of statistics and econometrics among students and scholars.

02

To train the students and scholars in applied skills in statistics and econometrics.

03

To increase the use of statistical and econometric tools in empirical research and data analysis.

04

To bridge the gap between theory and application and to develop the understanding of synchronization between statistical and econometric tools in research and analysis.

### Pedagogy:

A mix of Pedagogical tools will be used in discussion, small assignments, and practical training on statistical and econometric tools with actual data using statistical software. Participants will be provided with the relevant resources and required files to facilitate the practical training.

### Registration details:

Registration fee: Rs. 3000

Registration link: <https://forms.gle/7h5wZiZ2qE1AtAcFA>

Last date of Registration: 20th June, 2022

Registration



Kindly make payment on the below account details:

(Upload the payment receipt or screenshot of payment details in the registration form)

**Bank Name: HDFC Bank Limited**

**Branch: Kondhwa, Khurd, Pune 411 048.**

**Type of Account: Current**

**Account Number: 50200027418843**

**IFSC Code: HDFC0000029 (Fifth to Ninth character is "Zero")**

## Who can join it?

- + Academicians & Faculty Members in economics, health, commerce, and other allied streams of social sciences.
- + Research Scholars
- + Post Graduate and Graduate students.

## Resource Person:



**Mohamad Aslam**

Mohamad Aslam is a research scholar, social entrepreneur, and Assistant Professor in the Department of Economics at Vishwakarma University (Pune). He is currently pursuing his Ph.D. (Occupational Structure of Agro-Pastoralist Tribes in Central Region of Western Himalaya: A case study of gujjar and gaddi tribes of Himachal Pradesh) from Punjab University. He has completed his M. Phil. from Jawaharlal Nehru University, a thesis titled "Employment and Education Linkages: A Comparative Study of Tribes in Northeastern and the Central States." His research interests lie primarily in agrarian studies, labor market, economic transformation among tribals, education, and inequality. He has teaching experience of more than half a decade in theoretical and applied statistics and econometrics and plans to continue his journey of helping research scholars and students to gain practical skills with theoretical knowledge. He has already conducted seven such workshops, including two national seminars and many other courses to train scholars and working professionals in applied skills.

## Learning Outcomes

- + Participants will learn Basic STATA commands: gen, rename, label, egen, recode, tag, and destring (with ignoring and force), count, list, describe, substring, split, sort, and browse.
- + Participants will learn numeric and graphical tools in descriptive statistics (practical with STATA).
- + Participants will learn different methods of correlation based on the nature of the variable (practical with STATA).
- + Participants will learn all the three hypothesis testing methods and all the hypothesis testing process components. Also, the applications of hypothesis testing in descriptive statistics and correlation analysis (practical with STATA).
- + Learn the nature of regression analysis (bivariate and multivariate).
- + Learn the Ordinary Least Square method of estimating regression coefficients (with assumptions and properties)

- + Learn the estimation of regression coefficients, diagnostics testing, and interpretation of regression results (practical with STATA).
- + Learn the nature, causes, consequences, detection methods, and remedial measures of multicollinearity, heteroscedasticity, and autocorrelation.
- + Understand the components of time series in a univariate setup.

## Content Highlights

- + Basic STATA commands
- + Descriptive Statistics for qualitative and quantitative data (numeric and graphical tools for Nominal, Ordinal, Interval, Ratio scale)
- + Correlation Analysis (Parametric and Non-Parametric methods)
- + Inferential Statistics (Hypothesis testing methods along with applications)
- + Two Variable Regression Analysis (using the OLS method)
- + Unit Variate Time Series Analysis (Trend, Cyclical, Seasonal and Irregular components)
- + Multiple Regression (OLS method)
- + Dummy Variable models
- + Multicollinearity, Heteroscedasticity, and Autocorrelation (Nature, Causes, Consequences, Detection, and Remedial measures)

### Organizing Committee:

#### Dr. Rahul Waghmare

**Chairperson,**

Deputy Director Research,  
Vishwakarma University, Pune  
deputydirector.research@vupune.ac.in  
09028442619

#### Prof. Mohamad Aslam

**Convenor,**

Assistant Professor,  
Department of Economics,  
Vishwakarma University, Pune  
mohamad.aslam@vupune.ac.in  
09815008268

#### Dr. Yogesh Suryawanshi

**Coordinator,**

Research Coordinator,  
Vishwakarma University, Pune  
09421328386  
yogesh.suryawanshi@vupune.ac.in

#### Prof. Ashish Aandhale

**Coordinator,**

Assistant Professor,  
Department of Economics,  
Vishwakarma University, Pune  
ashish.andhale@vupune.ac.in

### Student Coordinators:

#### Pankti Desai

(M.Sc. Economics 1st Year)

#### Manjiri Jumde

(B.Sc. Economics 2nd Year)

#### Divesh Aswani

(B.Sc. Economics 2nd Year)

#### Juhi Tiwari

(B.Sc. Economics 2nd Year)

#### Virti Medita

(B.Sc. Economics 2nd Year)

### Vishwakarma University, Pune

📍 Survey No. 2, 3, 4 Laxmi Nagar,  
Kondhwa (Bk.) Pune - 411048. Maharashtra, India.

✉ admissions@vupune.ac.in

☎ +91 9590300911

🌐 www.vupune.ac.in



LOCATE US

