



International Institute of Islamic Economics
International Islamic University, Islamabad

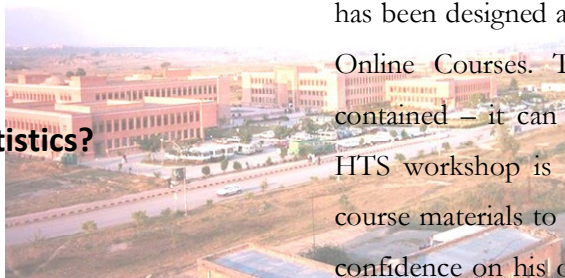
Three days Training course on

How to Teach Elementary Statistics?

June 27-29, 2013

Venue

International Institute of Islamic Economics, Faculty Block II, New Campus, International Islamic University, Sector H-10, Islamabad



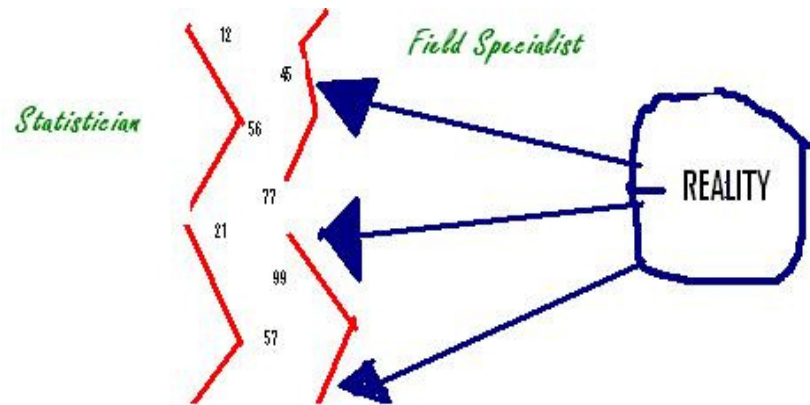
About ‘How to teach statistics’ (HTS) workshop

This is a short three day workshop meant for *teachers* of Introductory Statistics Courses. Students who are planning to teach such courses in the future may also profitably take this course. The HTS workshop is designed to enable students to teach the free online course “Introductory Descriptive Statistics”(IDS) as well as other statistics courses.

Introductory Descriptive Statistics is a course of 7 to 8 lectures which has been designed along the principles of the MOOC – Massive Open Online Courses. This means that the course is completely self-contained – it can run without a teacher. However, the goal of the HTS workshop is to provide the expertise as well as the complete course materials to the teacher to enable him to teach the course with confidence on his own. Because IDS is based on a unique and newly developed approach, it will provide the teacher and students with deep insights even into the most basic and elementary statistical concepts. Teachers who learn this approach will find that students appreciate an intuitive, comprehensible approach to statistics based on real life examples which they can understand. The standard approach as taught in conventional textbooks is technical and boring, and does not seem applicable to real life problems. The new approach is dynamic and

exciting, and we expect that teachers who understand it will be in high demand.

Key features of the new approach



The conventional approach to Statistics is to separate the data analysis from the real world aspects. The statisticians' deals only with the numbers – data generated by the real world, while the field specialist deals with applications of the numbers to reality. Our approach is an integrated approach. We deal simultaneously with the statistical analysis and its interpretation and application to the real world. This makes a tremendous difference in developing and understanding the subject matter of Statistics. Even the simplest and most basic concepts like

mean, median and mode cannot be understood outside the context of real world applications.

From the Islamic point of view, the statistician cannot isolate himself from the real world consequences of his analysis. If his data analysis leads to the conclusion that taxes should be increased (or decreased), he cannot say that mine is a purely objective analysis, and what policy makers do is their business. He must understand the policy implications of his analysis and take responsibility for them. This requires entirely different approach to the subject. Our primary goal in these lectures is to explain how Islamic methodology impacts on our understanding of what knowledge is, as well as teaching and learning, in the context of basic statistics.

Who Should Attend?

The target participants of the workshop are the teachers who intend to teach statistics.

About IIIE

International Institute of Islamic Economics (IIIE), International Islamic University Islamabad is the leading institution in Pakistan

in the field of quantitative sciences. Under the vibrant leadership of Dr. Asad Zaman, the institute has made solid contribution to the Statistics and Econometrics. IIIE is only institution in Pakistan offering opportunity for PhD in Econometrics. The Institute is extending its services for those who are not regular students, to have an opportunity of updated knowledge in econometrics/statistics.

Resource Person

- Dr. Asad Zaman, IIUI

Daily Time Schedule

June 26 - 29		
Morning	Lecture Session	8:30-10:10
	Tea Break	10:10-10:35
	Practical Session	10:35-12:15
Evening	Lecture Session	14:00-15:40
	Tea Break	15:40-16:00
	Practical Session	16:00-17:45



Eligibility

Teachers of Statistics in Institutes of Higher Education at IIU or elsewhere

Participation Cost/Registration Fee

Participating from outside IIU: Rs 1500 per individual

Participants From IIU: Rs 500 per individual

(The cost include provision of software, study material and tea sessions)

Application Procedure

Applications are to be submitted on prescribed application form available from the office of program coordinator, School of Economics, IIIE (Male Campus). Attach the proof of the qualification declared in the application form.

Last date for submitting application: June 22, 2013

Last date for submitting dues: June 25, 12, 2013

CONTACT PERSONS

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