5-Days Training on Advanced Epi Data Analysis
Programme schedule

Venue: Epidemiology Lab, Department of Medicine and Surgery, Chattogram Veterinary and Animal Sciences University (CVASU)

Participants: Postgraduate students (Epidemiology and Public Health)

Facilitator: Dr. Shuvo Singha, PhD, Epi- Alumni, CVASU

Course duration: 10th to 17th April 2025

Organized by: One Health Institute (OHI) of CVASU

Session	Time	Subject/Activity
Day-1: 10th April, 2025		**Systematic Review and Meta-analysis**
Registration	09:00 – 09:10	Participants
	09.10 – 09.15	Inauguration of the session by Prof. Dr. Md. Ahasanul Hoque, Professor of Epidemiology and Director, OHI, CVASU
	09.15 – 09.30	Introduction with the participants
Session-I	09.10 –10.00	Systematic review
	10:00 – 10:20	Tea-break
Session II	10:20 – 12.20	Systematic review-Continued
	12:20 – 12:40	Break
Session III	12:40 – 01:40	Meta-analysis
	01:40	Prayer and Lunch
End of Day-1		
Day-II: 13th April, 2025		**A Model Approach for Epidemiological Data Analysis**
Session-I	09.00 – 10.00	Group discussion on tasks conducting a systematic review and meta-analysis by the participants
	10.00 – 10.20	Tea-break
Session-II	10:20 – 12.20	A Structured Approach to Data Analysis
	12.20 – 12.40	Break
Session-III	12.40 – 01:40	A Structured Approach to Data Analysis-Continued
	01:40 – 02.30	Prayer and Lunch break
Session-IV	02.30 – 03.00	A Modelling Approach for Veterinary Epidemiology
	03.00 – 03.20	Break
Session-V	03.20 – 04.00	Hands on exercise: A Modelling Approach for Veterinary Epidemiology
End of Day-II		
Day-III: 15th April 2025		**Poisson Models on Count Data and Dependent data Mixed effect models**
Session-I	09.00 – 10.00	Group discussion on tasks on a Modelling Approach for Veterinary Epidemiology

	10.00 – 10.20	Tea-break
Session-II	10:20 – 12.20	Count data: Poisson Models
	12.20 – 12.40	Break
Session-III	12.40 – 01:40	Hands on exercise: Poisson Models
	01:40 – 02.30	Prayer and Lunch break
Session-IV	02.30 – 03.00	Dependent data Mixed effect models
	03.00 – 03.20	Break
Session-V	03.20 – 04.00	Hands on exercise: Dependent data Mixed effect models

End of Day-III

Day-IV: 16th April 2025		**Survival analysis**
Session-I	09.00 – 10.00	Group discussion on tasks conducting Poisson Models on Count Data and Dependent data Mixed effect models
	10.00 – 10.20	Tea-break
Session-II	10:20 – 12.20	Survival function, Kaplan-Meier curves, and Cox proportional hazard regression
	12.20 – 12.40	Break
Session-III	12.40 – 01:40	Predicting survival curves and Stratified Cox model
	01:40 – 02.30	Prayer and Lunch break
Session-IV	02.30 – 03.00	Visual check of Proportional Hazard assumption and Different models
	03.00 – 03.20	Break
Session-V	03.20 – 04.00	Hands on exercise: Survival analysis

End of Day-IV

Day-V: 17th April 2025		**Group presentation and feedback**
Group-I	09.00 – 09.30	Presentation on a case study: *Systematic Review and Meta-analysis*
Group-II	09.30 – 10.00	Presentation on a case study: *Poisson Models on Count Data and Dependent data Mixed effect models*
Group-III	10.00 – 10.30	Presentation on a case study: *Survival analysis*
		Tea-break
	10:30 – 11.30	Discussion session on the group presentations
	11.30 – 12.30	Course summary and recommendations by the participants
	12.30 – 12.40	Concluding remarks and way forward

End of Day-V

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