

## **REPORT OF EVERYDAY IS SEMINAR DAY**

- **TITLE OF EVENT/ PROGRAMME:** EVERYDAY IS SEMINAR DAY - Seminar Lecture Series by the faculty members
- **THEME OF THE EVENT/ PROGRAMME:** Sufficiency, Completeness and Ancillary Statistic
- **ACADEMIC SESSION:** 2022 - 23
- **DATE:** 19<sup>th</sup> September, 2022, Monday at 1:30 pm
- **VENUE:** Seminar Hall, Asutosh College Centenary Building
- **OBJECTIVE/ PURPOSE:** Completeness plays a very important role in statistical inference. So the objective of this talk was to discuss about it through some interesting problems and different theoretical approaches.
- **SPEAKER/S / RESOURCE PERSON/S:** **Speaker:** Dr. Shirsendu Mukherjee, Assistant Professor, Department of Statistics.
- **ORGANIZING COMMITTEE:** Asutosh College Academic Sub-Committee in collaboration with IQAC, Asutosh College
- **TARGET AUDIENCE/ PARTICIPANTS:** Students of Semester V from Statistics Honours Course.
- **NUMBER OF PARTICIPANTS:** 45
- **ATTENDANCE SHEET:**

"EVERYDAY IS SEMINAR DAY"

SEMINAR LECTURE SERIES BY THE FACULTY MEMBERS

Organized by Asutosh College Academic Sub-Committee in collaboration with IQAC, Asutosh College

Date: September 19, 2022

Time: 1:30 PM

Venue: Seminar Hall, Asutosh College Centenary Building

Department: Statistics

Speaker: Dr. Shirsendu Mukherjee, Assistant Professor, Department of Statistics

Topic: Sufficiency, Completeness and Ancillary Statistic

Name	College Roll No.	Signature
Souhardya Dey	810	Souhardya Dey.
Reshmi Das	846	
Soumik Dash	858	Soumik Dash
Shubhankar Ghosh	862	Shubhankar Ghosh
Sobhon Barman	870	
Souraj Chakraborty	922	Souraj Chakraborty
Soumyadeep Das	937	
Ranajoy Bose	949	Ranajoy Bose.
SAGNIK BASAK	961	Sagnik Basak
Anindita Bag	1064	Anindita Bag
Ruptanuka Mukherjee	1073	Ruptanuka Mukherjee
Shreya Dutta	1081	Shreya Dutta
Anushka Saha	1084	Anushka Saha
SOUMI DAS	1086	Soumi Das.
Shuvam Maity	1115	Shuvam Maity
Debangshu Roy	1124	
SANNIDHYA DAS	1128	Sannidhya Das.
ARITRA PAUL	1138	Aritra Paul.
Ananya Paul	1158	Ananya Paul
Alisha Khan	1165	Alisha Khan
Soumili Ghosh	1166	
Sampriti Dey	1177	Sampriti Dey
SHREEJOYI GHOSH	1209	Shreejoyi Ghosh.
Olivia Sengupta	1211	
Shirsha Ghosh	1212	Shirsha Ghosh.
ANWESH BHATTACHARYA	1243	
SAYANTAN DEY	1267	Sayantana Dey.
Madhushree Rana	1270	Madhushree Rana.

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Name	College Roll No.	Signature
Ritam Saha	41	Ritam Saha
SNEHA CHATTERJEE	61	Sneha Chatterjee
Bishal Paul	89	Bishal Paul
Partha Mete	106	Partha Mete
SRIJANI MAJUMDER	108	Srijani Majumder
RIYA DAS	131	
Kathakali Sardar	142	Kathakali Sardar
Sahil Dutta	153	Sahil Dutta
Asmita Mallick	179	Asmita Mallick
Parvez Khan	206	
Sujon Palit	242	
PROMIT MALLICK	295	Promit Mallick
SOURIDYA DEY	332	Souridya Dey
Rohan karmakar	333	Rohan Karmakar
Dipayan Chatterjee	410	Dipayan Chatterjee
TAPOJIT BHATTACHARJEE	414	Tapojit Bhattacharjee
Arnab Das	429	Arnab Das
ASIF HOSSAIN NASIR	437	
Avisikta Das	465	Avisikta Das
SOUHARDYA DAS	488	Souhardya Das
Amrita Chakraborty	532	Amrita Chakraborty
SOHAN GHOSH	587	Sohan Ghosh
Soumojit Biswas	609	Soumojit Biswas
Sougata Ghosh	642	
SUBHAM SARKAR	665	
Ritwick das	740	Ritwick Das
SAYAN GHOSH	747	Sayan Ghosh
Twisampati Mondal	752	Twisampati Mondal
Madhusnata Kar	761	Madhusnata Kar
ARATRIKA NANDY	801	Aratrika Nandy

- **BRIEF REPORT ABOUT THE EVENT/ PROGRAMME:** Completeness is an essential part in statistical inference. Together with sufficiency, in many context, a complete statistic provides the uniformly minimum variance unbiased estimator (UMVUE). In this session the notion of completeness was discussed through some interesting problems. Some applications of completeness were discussed via Lehmann-Scheffe theorem. The idea of ancillary statistic was also developed through different examples. The talk ended with some applications of Basu's theorem.
- **EXPECTED OUTCOME:** This lecture session was beneficial for both the students and the faculty members. Students could learn something about an important topic which is not included in their regular course but can be thought of as an extension of

it and the faculty members could brush up their skills of giving presentations. Hopefully both the parties will be interested to go deeper into the topic in future.

➤ **GEO-TAGGED PHOTOGRAPHS:**

