

Government of West Bengal
Higher Education Department,
Appointment Branch
Bikash Bhavan Salt Lake, Kolkata-91

No.994-Edn(A)/10M-36/20

Dated, Kolkata, 23rd December, 2020

NOTIFICATION

The Governor is pleased, in the interest of public services, to entrust the following Assistant Professors / Associate Professors in Economics under the West Bengal Educational Service with the additional charge of teaching in newly established Kanyashree College, Behala along with their regular duties at their present place of posting, until further order.

1. Dr. Tapas Kumar Pal, Associate Professor of Economics, Bidhannagar College, Salt Lake, Kolkata.
2. Smt. Jayeeta Saha, Assistant Professor of Economics, Maulana Azad College, Kolkata.

The above mentioned teachers shall report for their new assignment at the earliest.

Sd/ S. Banerjee
Assistant Secretary

No.994/1(10)-Edn(A)/10M-36/20

Dated, Kolkata, 23rd December, 2020

Copy forwarded for information and necessary action to:-

1. The Director of Public Instruction, West Bengal.
2. The Additional Director of Public Instruction (Administration), West Bengal.
3. The Principal/ Officer-in-charge, Bidhannagar College, Salt Lake, Kolkata. He is requested to continue to draw and disburse the salary of Dr. Tapas Kumar Pal as usual, until further order.
4. The Principal/ Officer-in-charge, Maulana Azad College, Kolkata. He is requested to continue to draw and disburse the salary of Smt. Jayeeta Saha as usual, until further order.
5. The Principal/ Officer-in-charge, Kanyashree College, Behala, Kolkata.
6. ~~Dr. Tapas Kumar Pal, Associate Professor of Economics, Bidhannagar College, Salt Lake, Kolkata.~~
7. ~~Smt. Jayeeta Saha, Assistant Professor of Economics, Maulana Azad College, Kolkata.~~
8. The P.S. to the HMIC of this Department.
9. The Sr. P.A. to the Principal Secretary of this Department.
10. Guard file.


Assistant Secretary

Memo No. UCAC- CS / F-12 / GL / 013 / 2022, Dated 20/10/22



UNIVERSITY OF CALCUTTA

FACULTY COUNCIL FOR POST GRADUATE STUDIES ARTS & COMMERCE,
SOCIAL WELFARE & BUSINESS MANAGEMENT
ASUTOSH BUILDING, CALCUTTA - 700 073

To

Sri Tapas Kumar Pal,

Sir/Madam

This is to inform you that under order of the Vice-Chancellor you have been appointed again purely on ad-hoc basis as **Guest Lecturer** in the Department of MBM under the faculty councils for P.G. Studies in Arts, Commerce & Business Studies, University of Calcutta. And honorarium of Rs. 20000/- per annum for delivering not more than 40 (forty) lectures in one year @ Rs. 500/- per lecture will be payable in every three months for one year with effect from 01.04.2023 till 31.03.24 or w.e.f. your date of joining till 31.03.24 or till the vacant post is filled in whichever is earlier. You are requested kindly to report to the Head/In-charge of the Department MBM for allotment of your duties if you are agreeable to accept the offer on the above terms and conditions. Date of Birth is required for regularizing the appointment and release of remuneration. The appointment will be subject to the existing rules and/or rules to be framed or adopted by the University from time to time. Please send your joining report to the Secretary, Faculty Councils for P.G. studies in Arts, Commerce & Business Studies through the Head of the Department concerned.

N.B. No person should be allowed to join the University Service in any capacity whether as Teachers, Officers or Employees of any category (whole time, part time, permanent or temporary, unless he submits at the time of joining proof of his/her age to the Accounts Section as Necessary under ordinance).

This has been approved under orders of the Vice-Chancellor, U.C. dated 28.10.2022

Secretary (Actg.)
Faculty Councils for P.G. Studies
in Arts, Commerce & Business Studies
University of Calcutta

N.B. Guest lectures are requested to perform examination duties as and when required. Guest Lecturer As per
Syndicate Resolution G.L will not be appointed after 65 years of age

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Dated, Kolkata, 23rd December, 2020

NOTIFICATION

The Governor is pleased, in the interest of public services, to entrust the following Assistant Professors / Associate Professors in Geography under the West Bengal Educational Service with the additional charge of teaching in newly established Kanyashree College, Behala along with their regular duties at their present place of posting, until further order.

1. Dr. Chandan Surabhi Das, Associate Professor of Geography, Barasat Government College.
2. Smt. Shewli Shabnam, Assistant Professor of Geography, Bidhannagar College, Salt Lake, Kolkata.

The above mentioned teachers shall report for their new assignment at the earliest.

Sd/ S. Banerjee
Assistant Secretary

No.993/1(10)-Edn(A)/10M-36/20

Dated, Kolkata, 23rd December, 2020

Copy forwarded for information and necessary action to:-

1. The Director of Public Instruction, West Bengal.
2. The Additional Director of Public Instruction (Administration), West Bengal.
3. The Principal/ Officer-in-charge, Barasat Government College, District – North 24 Parganas. He is requested to continue to draw and disburse the salary of Dr. Chandan Surabhi Das as usual, until further order.
4. The Principal/ Officer-in-charge, Bidhannagar College, Salt Lake, Kolkata. He is requested to continue to draw and disburse the salary of Smt. Shewli Shabnam as usual, until further order.
5. The Principal/ Officer-in-charge, Kanyashree College, Behala, Kolkata.
6. **Dr. Chandan Surabhi Das**, Associate Professor of Geography, Barasat Government College, District – North 24 Parganas.
- ✓ 7. **Smt. Shewli Shabnam**, Assistant Professor of Geography, Bidhannagar College, Salt Lake, Kolkata.
8. The P.S. to the HMIC of this Department.
9. The Sr. P.A. to the Principal Secretary of this Department.
10. Guard file.


Assistant Secretary

**Government of West Bengal
Higher Education Department,
Appointment Branch
Bikash Bhavan Salt Lake, Kolkata-91**

No.998-Edn(A)/10M-36/20

Dated, Kolkata, 23rd December, 2020

NOTIFICATION

The Governor is pleased, in the interest of public services, to entrust the following Assistant Professor in Mathematics under the West Bengal Educational Service with the additional charge of teaching in newly established Kanyashree College, Behala along with his regular duties at his present place of posting, until further order.

1. Shri Shib Sankar Giri, Assistant Professor of Mathematics, Bidhannagar College, Salt Lake, Kolkata.

The above mentioned teacher shall report for his new assignment at the earliest.

Sd/ S. Banerjee
Assistant Secretary

No.998/1(8)-Edn(A)/10M-36/20

Dated, Kolkata, 23rd December, 2020

Copy forwarded for information and necessary action to:-

1. The Director of Public Instruction, West Bengal.
2. The Additional Director of Public Instruction (Administration), West Bengal.
3. The Principal/ Officer-in-charge, Bidhannagar College, Salt Lake, Kolkata. He is requested to continue to draw and disburse the salary of Shri Shib Sankar Giri as usual, until further order.
4. The Principal/ Officer-in-charge, Kanyashree College, Behala, Kolkata.
- ✓ 5. Shri Shib Sankar Giri, Assistant Professor of Mathematics, Bidhannagar College, Salt Lake, Kolkata.
6. The P.S. to the HMIC of this Department.
7. The Sr. P.A. to the Principal Secretary of this Department.
8. Guard file.


Assistant Secretary

Estimation of Population Size with Heterogeneous Catchability and Behavioural Dependence: Applications to Air and Water Borne Disease Surveillance

Kiranmoy Chatterjee* Prajamitra Bhuyan[†]

*Bidhannagar College Kolkata

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Abstract

Population size estimation based on the capture-recapture experiment is an interesting problem in various fields including epidemiology, criminology, demography, etc. In many real-life scenarios, there exists inherent heterogeneity among the individuals and dependency between capture and recapture attempts. A novel trivariate Bernoulli model is considered to incorporate these features, and the Bayesian estimation of the model parameters is suggested using data augmentation. Simulation results show robustness under model misspecification and the superiority of the performance of the proposed method over existing competitors. The method is applied to analyse real case studies on epidemiological surveillance. The results provide interesting insight on the heterogeneity and dependence involved in the capture-recapture mechanism. The methodology proposed can assist in effective decision-making and policy formulation.

Key words: COVID-19, Gibbs sampling, Hepatitis A, List dependence, Multiple systems estimation.

1 Introduction

The knowledge about the true prevalence of a disease in a specified period is an essential requirement for surveillance and effective policy formulation regarding the healthcare system of a state (Bird and King, 2018). In general, the available data source fails to cover all the relevant events and that leads to an undercount of the target population suffering from the disease. Therefore, disease ascertainment data are accumulated from multiple sources to increase the coverage and for the estimation of the disease prevalence (Papoz et al., 1996). This method is



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Research Article

On the estimation of population size under dependent dual-record system: an adjusted profile-likelihood approach

Kiranmoy Chatterjee & Diganta Mukherjee

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Biometrical Journal

RESEARCH ARTICLE

An optimal multiarmed response adaptive design for survival outcome with independent censoring

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Abstract

Compromising ethics and precision in the context of a multiarmed clinical trial, an optimal order adjusted response adaptive design is proposed for survival outcomes subject to independent random censoring. The operating characteristics of the proposed design and the follow-up inference are studied both theoretically as well as empirically and are compared with those of the competitors. Applicability of the developed design is further illustrated through redesigning a real clinical trial with survival responses.

Multi-arm covariate adjusted response adaptive designs for ordinal outcome clinical trials

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DOI: 10.1177/09622802221133558

journals.sagepub.com/home/smm**Soumyadeep Das¹ , Rahul Bhattacharya²  and Atanu Biswas³ **

Abstract

Covariate adjusted response adaptive designs are developed with ordinal categorical responses for phase III clinical trial involving multiple treatments. Stochastic ordering principle is used to order the treatments according to effectiveness and consequently allocation functions are developed by combining the cumulative odds ratios suitably. The performance of the proposed designs is investigated through relevant exact as well as large sample measures. To investigate the performance in a real situation, a real clinical trial involving lung cancer patients is further redesigned using the proposed allocation design.

Keywords

Covariate adjusted response adaptive design, ordinal categorical responses, cumulative odds ratio, proportional odds model.

1 Introduction

Clinical trials are carefully conducted research studies to find out the treatments that work best on subjects with a certain disease. Among the several phases of a clinical trial, phase III comprises of the large scale evaluation of treatments and hence is a crucial phase. In phase III of the clinical trial, the patients enter sequentially into the trial and assigned one of the available treatments. Complete randomization (CR) is the widely used allocation design in this regard for its simplicity and statistical performance (e.g. higher power). But from a critic's viewpoint, CR lacks individual ethics as it is blind to treatment performances and hence does not skew the allocation towards the better performing treatments. On the other hand, response adaptive randomization (RAR) uses the available allocation and response information of the patients to update the allocation probabilities so that treatments doing better are used more often.^{1,2} Thus a RAR is more desirable as it compromises collective ethics (identifying a true difference in treatment effectiveness with high statistical power) with individual ethics (maximum number of patients are treated by the superior treatments eventually).

Depending on the nature of the trial, often the responses of the patients are measured in ordinal categorical scale. For example, the response of a rheumatoid arthritis³ patient can be any of the following: nil, mild, moderate, and severe. As another example, the responses in cancer trial may be either of the ordinal categories: death, progressive disease to complete remission. Ordinal responses are also reported in trauma⁴ and sports related knee injury⁵ trials. Another example of ordinal outcomes is the WHO Clinical Progression Scale, which is a 11-point scale (0: not infected to 10: dead) and is advantageous for the use in an emerging infectious disease epidemic. In a very recent article on the final report of the Remdesivir trial with Covid-19 patients,⁶ though the primary outcome is length of recovery time, but the patient response was measured in an ordinal eight point scale. Although these real trials used fixed allocation designs, but development and advantage of RAR in this context can be found in the works of Bandyopadhyay and Biswas,^{7,8} Biswas et al.,⁹ Biswas et al.,^{10–12} and Das et al.,¹³ among others.

Although these developments assumed homogeneity of patients, but in reality, they may differ with respect to covariates like age, sex and health conditions. So, adapting covariate information into the design phase of the trial is desirable to

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