

Short Curriculum Vitae

1. **Name:** Purnima Shaw
2. **Gender:** Female
3. **Date of birth:** April 19, 1989
4. **Address of correspondence:** Department of Statistics and Information Management,
Reserve Bank of India, 6, Sansad Marg, New Delhi –
110001, India
Phone: +91 8419949602
5. **Email:** pshaw@rbi.org.in
6. **Nationality:** Indian
7. **Current occupation:** Assistant Adviser in the Department of Statistics and Information Management,
Reserve Bank of India
8. **Academic qualifications:** Ph.D. in Statistics from West Bengal State University, India in 2021
M.Sc. in Statistics from University of Kalyani, India in 2012
B.Sc. in Statistics from Presidency College, University of Calcutta, India in 2010
9. **Research interests:** Survey Sampling (estimation of non-linear parameters in finite population and Randomized Response Techniques), Fan charts, Inflation expectations and Official Statistics



10. Accepted/ Published Papers

- (i) Pal, S. and Shaw, P. (2021). Estimation of Finite Population Quantile by Analytical and Re-scaling Bootstrap Techniques. Accepted for publication in *Thailand Statistician*.
- (ii) Pal, S. and Shaw, P. (2021). Estimation of Finite Population Distribution Function of Sensitive Variable. *Communications in Statistics – Theory and Methods*, <https://doi.org/10.1080/03610926.2021.1934030>
- (iii) Shaw, P. and Chaudhuri, A. (2021). Further Improvements on Unrelated Characteristic Models in Randomized Response Techniques. *Communications in Statistics – Theory and Methods*, <https://doi.org/10.1080/03610926.2021.1872638>
- (iv) Shaw, P. and Pal, S. (2021). Estimating Sensitive Population Proportion Permitting Options for Various Respondents' Choices. *Statistics and Applications*, 19(2), pages 161-179.
- (v) Chaudhuri, A. and Shaw, P. (2020). A Finite Population Quantile Estimation by Unequal Probability Sampling. *Communications in Statistics – Theory and Methods*, 49(22), pages 5419-5426.
- (vi) Shaw, P., Jayaraman, A. R., Chandra, A. and Das, T. B. (2020). Derived Inflation Forecasts from Recent Inflation Expectations: An Ex Post Facto Analysis. *Reserve Bank of India Bulletin*, September 2020, pages 15-23.
- (vii) Jana, K., Sengupta, D., Kundu, S., Chakraborty, A. and Shaw, P. (2019). The Statistical Face of a Region Under Monsoon Rainfall in Eastern India. *Journal of the American Statistical Association*, 115 (532), pages 1559-1573.
- (viii) Shaw, P., Jayaraman, A. R. and Das, T. B. (2019). Households' Inflation Expectations: A Reflection. *Reserve Bank of India Bulletin*, December 2019, pages 59-69.
- (ix) Shaw, P. (2019). Using Rational Expectations to Predict Inflation. *Reserve Bank of India Occasional Papers*, 40(1): 2019, pages 85-104.
- (x) Jayaraman, A. R., Shaw, P. and Singh, D. P. (2018). Inflation Expectations Survey of Households: 2017-18. *Reserve Bank of India Bulletin*, October 2018, pages 105-116.

- (xi) Chaudhuri, A. and Shaw, P. (2017). Empirical Bayes Estimation Using Quantitative Randomized Response Data. *Statistics and Applications*, 15, Nos. 1 and 2, New Series, pages 1-6.
- (xii) Shaw, P. and Chaudhuri, A. (2017). Empirical Bayes Estimation Method in Some Randomized Response Techniques. *Statistics and Applications*, 15, Nos. 1 and 2, New Series, pages 101-116.
- (xiii) Chaudhuri, A. and Shaw, P. (2016). Accuracy in Estimating Kendall's Tau in Sampling Finite Populations. *Journal of the Indian Society of Agricultural Statistics*, 70(1), pages 1-6.
- (xiv) Chaudhuri, A. and Shaw, P. (2016). Generating Randomized Response by Inverse Bernoullian Trials in Unrelated Characteristics Model. *Model Assisted Statistics and Applications*, 11, pages 235-245.
- (xv) Shaw, P. (2016). Estimating a Finite Population Proportion Bearing a Sensitive Attribute from a Single Probability Sample by Item Count Technique. In A. Chaudhuri, T. C. Christofides and C. R. Rao (Eds.), *Data Gathering, Analysis and Protection of Privacy through Randomized Response Techniques: Qualitative and Quantitative Human Traits, Handbook of Statistics*, 34, pages 387-403. North-Holland, Elsevier B.V.
- (xvi) Shaw, P. (2015). Estimating a Finite Population Mean of a Sensitive Quantitative Variable from a Single Probability Sample by the Item Count Technique. *Model Assisted Statistics and Applications*, 10, pages 411-419.

11. Work in Progress

- (i) Singh, D. P., Mishra, A. and Shaw, P. – Taking Cognisance of Households' Inflation Expectations in India.
- (ii) Shaw, P. – Construction of Bivariate Fan Chart from Joint Distribution.
- (iii) Shaw, P. – Reading Households' Minds.
- (iv) Shaw, P. – Sustainable Finance: Unfolding the Empirical Evidences