Soudeep Deb

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SUMMARY

- **Senior Lead Data Scientist** at NBC Universal Media, LLC.
- 10+ years of training and experience in Statistics and Data Science.
- Expertise in statistical inference, data analysis, and developing statistical methodologies for real life problems.
- Primary areas of research are time series data, forecasting, spatial modeling, and sports analytics.
- Proficient in learning new procedures and taking lead in diverse projects.

PROFESSIONAL EXPERIENCE

NBC Universal Media, LLC, New York, NY, USA.　　　　　　　　　　　Sep 2018 - present
- Position: Senior Lead Data Scientist.
- Responsibility: Modeling time series data for TV shows, Provide forecast for programs from different channels, and to gather insights about viewership and ratings.

EDUCATION

University of Chicago　　　　　　　　　　　Sep 2013 - Aug 2018
- PhD in Statistics

Indian Statistical Institute　　　　　　　　　　　Jul 2008 - Jun 2013
- Master of Statistics (Hons.) with distinction　　　　　Total percentage score: 81.0%
- Bachelor of Statistics (Hons.) with distinction　　　　　Total percentage score: 83.4%

OTHER EXPERIENCE

The Alan Turing Institute, London, United Kingdom.　　　　　　　　　　　Dec 2017
- Position: Delegate for the Data Study Group.
- Project: Geospatial time-series analyses to predict demand for a global satellite communications network.

Instituto de Pesquisa Ambiental do Amazônia, (IPAM), Brasília, Brazil.　　　　　Jun - Aug 2016
- Position: Summer intern.
- Project: Hydropower Construction and Deforestation in the Tapajós River Basin: Linking Forest Cover to Changes in Water Balance.

Eidgenossische Technische Hochschule (ETH), Zurich, Switzerland.　　　　　May - Jul 2013
- Position: Summer research intern.
- Project: Moment-Closure Approximations for Mass-action Models in Chemical Kinetics.

Ministry of Statistics and Programme Implementation, Govt. of India.　　　　　May 2012
- Position: Team member.
- Project: Forecasting of Foreign-tourist Arrivals in India.

Johns Hopkins University, Baltimore, United States of America.　　　　　May - Jul 2011
- Position: Summer research intern.
- Project: Estimating the genetic relationship between two random individuals from genome sequence data.

AWARDS & ACHIEVEMENTS

- Recipient of International House Ralph W. Nicholas Fellowship Award, University of Chicago.　　　2017-18
- Recipient of Graduate Council Travel Grant, University of Chicago.　　　2017
- Senior Consultant Award at the Department of Statistics, University of Chicago.　　　2016-17
- Selected among 30 students from India for International Mathematical Olympiad Training Camp.　　　2007, 2008
- Recipient of Kishore Vaigyanik Protsahan Yojana scholarship, Indian Institute of Science.　　　2007 - 2013

TECHNICAL STRENGTHS

- **Proficient:** R, MATLAB, LaTeX, Microsoft Office.
- **Learning:** Python, SQL.

PUBLICATIONS AND ONGOING RESEARCH

- **Deb, S.**, Tsay, R. S. (2019); Spatio-temporal Models with Space-time Interaction and Their Applications to Air Pollution Data; To appear, Statistica Sinica, Preprint: https://arxiv.org/abs/1801.00211.
- **Deb, S.**, Dey, D. (2019); Spatial Modeling of Shot Conversion in Soccer to Single out Goalscoring Ability; To appear, Journal of Sports Analytics, Preprint: https://arxiv.org/abs/1702.05662.
- **Deb, S.** (2019); VAR model based clustering method for multivariate time series data; Journal of Mathematical Sciences, 237(6), 754-765.
- Prickett, K.C., Guiterrez, C., **Deb, S.** (2019); Family Firearm Ownership and Firearm-Related Mortality Among Young Children: 1976-2016. Pediatrics, 143(2), e20181171.
- Chazin, H., **Deb, S.**, Falk, J., Srinivasan, A. (2018); New Statistical Approaches to Intra-individual Isotopic Analysis and Modeling Birth Seasonality in Studies of Herd Animals. Archaeometry.
- **Deb, S.**, Pourahmadi, M., Wu, W. B. (2017); An Asymptotic Theory for Spectral Analysis of Random Fields; Electronic Journal of Statistics, Vol. 11, No. 2, p. 4297-4322.
- Zechner, C., **Deb, S**., Koeppl, H. (2013); Marginal Dynamics of Stochastic Biochemical Networks in Random Environments; In Control Conference (ECC), 2013 European, p. 4269-4274, IEEE.
- Ghosh, S., **Deb, S.** (2013), A Clustering Approach for Mapping Rare Variants Based in Mutual Association. Human Heredity, Vol. 76, No. 2, pp. 98-98.

OTHER INFORMATION

Languages
- Fluent: English, Bengali, Hindi.
- Working knowledge: Urdu, Portuguese.

Positions of Responsibility
- Student Photographer, Department of Statistics, University of Chicago.
- Event Chief, Annual techno-cultural fest *Integration 2013*, Indian Statistical Institute.
- Student Representative, Cultural Committee, Indian Statistical Institute.
- Literary Affairs Committee Convener, Boys' Hostel, Indian Statistical Institute.