

Negar Eghbal

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Research Interests

Stochastic Processes
Dependent Data Analysis
Limit Theorems
Probability Inequalities

Education

- 1999–2003 **B.Sc.**, *Ferdowsi University of Mashhad*, Mashhad, Iran.
Statistics
- 2004–2005 **M.Sc.**, *Ferdowsi University of Mashhad*, Mashhad, Iran.
Title of the thesis: Robust Statistical Methods
- 2008–2013 **Ph.D.**, *Ferdowsi University of Mashhad*, Mashhad, Iran.
Title of the dissertation: Asymptotic Behaviour of Quadratic and Bilinear Forms in Dependent Random Variables

Professional Career

- 2013–present **Assistant Professor**, *University of Shahrood*, Shahrood, Iran.

Honors

- 2002–2004 **Achievements during the Masters of Science Studies**, *12th Place in the National M.Sc. Examination for Mathematical Statistics, 3rd Place in the 3rd National Statistics Student Contest, Distinguished Student of Mathematics Faculty (Ferdowsi University of Mashhad)*, Distinguished Student of Ferdowsi University of Mashhad.
- 2009–2011 **Ph.D. Scholarship**, Ministry of Science and Technology of Iran.
- 2010–2011 **Visiting Research Award**, Ministry of Science and Technology of Iran.

Professional Affiliations and Activities

- 2003–present **Iranian Statistical Society**, Member.
2013 **Bernouli Institute**, Member.

Skills

- Language Fluent in Reading, Listening, Speaking, and Writing in English
Other Typesetting in Latex and Xepersian

Visiting Positions

- Feb–Aug 2010 **Visiting Research Student**, *Norwegian University of Science and Technology (NTNU)*, Trondheim, Norway.
Working with Prof. Nikolai Ushakov

Publications

Refereed Journal Publications

- (1) **Eghbal, N.**, Amini, M. & Bozorgnia, A. (2010). Some maximal inequalities for quadratic forms of negative superadditive dependence random variables, *Statistics and Probability Letters*, **80**, 587-591.
- (2) **Eghbal, N.**, Amini M. & Bozorgnia, A. (2011). On the Kolmogorov inequalities for quadratic forms of dependent uniformly bounded random variables, *Statistics and Probability Letters*, **81**, 1112-1120.
- (3) **Eghbal, N.**, Amini M. & Bozorgnia, A. (2012). Bounds on the tail probability of bilinear and quadratic forms in sub-Gaussian random variables, *Under review*.

Contributions in Conference-Proceedings

- (1) **Eghbal, N.**, Amini M. & Bozorgnia, A. (2009). Some maximal inequalities for quadratic forms of negative superadditive dependent random variables, *Proceedings of the 7th Seminar on Probability and Stochastic Processes, Isfahan University of Technology*.
- (2) **Eghbal, N.**, Amini M. & Bozorgnia, A. (2010). A Kolmogorov inequality for quadratic forms of NSD uniformly bounded random variables, *Proceedings of the 23rd Nordic Conference on Mathematical Statistics, NORDSTAT 2010, Voss, Norway*.
- (3) **Eghbal, N.**, Amini M. & Bozorgnia, A. (2011). Some moment inequalities for symmetric random variables, *Proceeding of 8th Seminar on Probability and Stochastic Processes, University of Guilan, Rasht, Iran*.

Teaching

Lectures

- (1) Probability Theory
- (2) Statistical Inference I
- (3) Stochastic Process
- (4) Applied Statistics and Probability for Mathematicians
- (6) Applied Statistics in Management
- (7) Statistics for Earth Sciences
- (7) Probability Principles