# MOSTAFA MASHAYEKHI


**Associate Professor**
**Actuarial Science, Department of Finance**
**College of Business Administration**

HOME ADDRESS
5948 Culwells Road
Lincoln, NE 68516
(402) 421-2362

OFFICE ADDRESS
235 CBA
University of Nebraska-Lincoln
Lincoln, NE 68588-0490
(402) 472-0715
(402) 472-5240 Fax
mmashayekhi@unl.edu


## EDUCATION

| | | |
|---|---|---|
| Ph.D. | School: | Michigan State University |
| | Date | August 1990 |
| | Major Field | Statistics |
| | Dissertation Title: | Stability of Symmetrized Probabilities and Compact Equivariant Compound Decisions |
| | Dissertation Advisor: | Professor James F. Hannan |
| M.Sc. | School: | University of London, The London School of Economics and Political Science |
| | Date: | August 1976 |
| | Major Field: | Econometrics and Mathematical Economics |
| B.Sc. | School: | University of London, Queen Mary College |
| | Date: | August 1975 |
| | Major Field: | Economics |

## PROFESSIONAL DESIGNATIONS

Graduate Faculty Fellow, University of Nebraska-Lincoln, 2001.

Associate Member of the Society of Actuaries, 1994.

Member of the American Academy of Actuaries, 1994.

## RECOGNITION AND AWARDS

UNL Parents Association "Recognition Award for Contributions to Students", Jan. 2000.
Nominated for CBA Distinguished Teaching Award, 2009-2010.
Nominated for CBA Distinguished Teaching Award, 1999-2000.
Nominated for CBA Distinguished Teaching Award, 1995-1996.

## GRANTS RECEIVED

Hicks summer research award and Departmental research award (2008). $5000
NSF EPSCoR (2003). $23422.
SOA (1994). $1000.

## ACADEMIC EXPERIENCE

Associate Professor, Department of Finance, University of Nebraska-Lincoln, August 2002- present.

Assistant Professor of Actuarial Science, University of Nebraska-Lincoln, 1996-2002.

Teaching Associate of Actuarial Science, University of Nebraska- Lincoln, 1994-1995.

Visiting Assistant Professor of Actuarial Science, University of Nebraska-Lincoln, 1991-1994.

Visiting Assistant Professor of Statistics, University of Nebraska-Lincoln, 1990-1991.

Teaching Assistant, Michigan State University, 1985-1987, and 1988-1990.

## RESEARCH

Research Interests: Compound and Empirical Bayes Decisions, Survival Models, and Applications of Stochastic Calculus in Financial Economics.

### Articles in Refereed Journals

Mashayekhi, Mostafa (2012). A note on optimal insurance under ambiguity. *Insurance Markets and Companies: Analyses and Actuarial Computations*, Vol. 3, Issue 1, 58-62.

Mashayekhi, Mostafa (2011). Parametric empirical Bayes estimation of the net premium with right censored data. *Insurance Markets and Companies: Analyses and Actuarial Computations*, Vol. 2, Issue 1, 26-33.

Mashayekhi, Mostafa (2008). On construction of consistent mixing distributions for compound decisions. *Statistics and Probability Letters,* Vol.78, Issue 16, 2644-2646.

Mashayekhi, Mostafa (2003). A note on linear empirical Bayes estimation of finite population means. *Journal of Statistical Planning and Inference,* **112**, 77-88.

Mashayekhi, Mostafa (2002). On asymptotic optimality in empirical Bayes credibility *Insurance: Mathematics and Economics,* **31**, 285-295.

Mashayekhi, Mostafa (2002). Compound estimation of a monotone sequence. *Statistics and Probability Letters,* **60**, 7-15.

Mashayekhi, Mostafa (2001). Linear empirical Bayes estimation of survival probabilities with partial data. *Journal of Actuarial Practice*, Vol. 9, 131-150.

Mashayekhi, Mostafa (2001). Parametric empirical Bayes estimation of a constant hazard with right censored data. *International Journal of Reliability and Applications*, **2(1)** 49-56.

Mashayekhi, M. (1995). On symmetrization of product measures. *Mathematical Methods of Statistics*, **4(3)** 334-343.

Mashayekhi, Mostafa (1993). On equivariance and the compound decision problem. *Annals of Statistics*, **21,** 736-745.

**Articles Submitted for Publication in Refereed Journals**

Mashayekhi, Mostafa. On properties of almost stochastic dominance.

**Working Papers**

Mashayekhi, Mostafa. On empirical Bayes decisions with non-identical components.

**CONFERENCE PRESENTATIONS**

A note on stochastic dominance and bounds on the probability of ruin. The 54th Actuarial Research Conference, Purdue University, Indianapolis, Indiana, August 2019.

On ordering prospects by insurance premiums. The 53rd Actuarial Research Conference, Western University, London, Ontario, Canada, August 2018.

On properties of almost stochastic dominance. The 51st Actuarial Research Conference, University of Minnesota/University of St. Thomas, July 2016.

On optimal reinsurance and almost stochastic dominance. The 50th Actuarial Research Conference, University of Toronto, Toronto, Canada, August 2015.

A note on optimal insurance under Ambiguity. The 45th Actuarial Research Conference, Simon Fraser University, Canada, July 2010.

Parametric empirical Bayes estimation of the net premium with right censored data. The 36th Actuarial Research Conference, "," Ohio State University, August 2001.

## CONFERENCES ATTENDED FOR PROFESSIONAL DEVELOPMENT

SOA Annual Meeting & Exhibit, Toronto, Canada, Oct. 27-30, 2019.

The 54th Actuarial Research Conference, Purdue University, Indianapolis, Indiana, August 14-August 17, 2019.

SOA Annual Meeting & Exhibit, Nashville, TN, Oct. 14-16, 2018.

The 53rd Actuarial Research Conference, Western University, London, Ontario, Canada, August 8-August 11, 2018.

SOA Annual Meeting & Exhibit, Boston, MA, Oct. 15-17, 2017.

SOA Annual Meeting & Exhibit, Las Vegas, NV, Oct. 23-25, 2016.

The 51st Actuarial Research Conference, University of Minnesota/University of St. Thomas, July 2016.

SOA Annual Meeting and Exhibit, Austin TX, Oct. 11-13, 2015.

The 50th Actuarial Research Conference, University of Toronto, Toronto, Canada. (August 2015).

SOA Annual Meeting and Exhibit, Orlando, FL, Oct. 26-28, 2014.

KCAC Conference, Kansas City Actuaries Club, June 2011, Kansas City, Missouri.

The 45th Actuarial Research Conference, Simon Fraser University, Canada. (July 2010).

KCAC Conference, Kansas City Actuaries Club, June 2010, Kansas City, Missouri.

Conference on "Optimizing the Extended Enterprise in the New Economy", organized by the Institute for Operations Research and the Management Sciences, San Diego, California, May 2001

Workshop on "Supply Chain Management Practice and Research: Status and Future Directions" held at the University of Maryland at Rockville, April 2001

Actuarial Science Faculty Meeting Hosted by Towers Perrin, Chicago, February 2001

Statistics and Probability Seminars Honoring Professor James Hannan's $75^{th}$ Birthday, Michigan State University, 1998

The $32^{nd}$ Actuarial Research Conference, Ball State University, 1997

**TEACHING**

Taught various undergraduate and graduate courses for actuarial science, finance, and statistics students in University of Nebraska- Lincoln including the following:

1. Finance 467A/867A: Options, Futures and Derivative Securities for Actuarial Science Book used: Derivative Markets (Third Edition), 2013, by McDonald, R.L. Pearson Education.

2. Actuarial Science 441/841. Introduction to Financial Economics. Book used: Derivative Markets (Third Edition), 2013, by McDonald, R.L. Pearson Education.

3. Actuarial Science/ Finance 975: Stochastic Calculus. Book used: Prices in Financial Markets by Dothan.

4. Actuarial Science 960: Credibility Theory and Loss Distributions. Books used: Loss Distributions by Hogg and Klugman, Introduction to Credibility Theory by Herzog, and Casualty Actuarial Society Study Notes.

5. Actuarial Science 973 (later changed to 473/873): Risk Theory. Book used: Actuarial Mathematics by Bowers et al.

6. Actuarial Science 911 (later changed to 445/845): Mathematics of Graduation. Book used: Graduation: The Revision of Estimates by London.

7. Actuarial Science 450/850: Stochastic Processes for Actuaries. Book used: Introduction to Probability Models by Ross.

8. Actuarial Science 898: Regression and Time Series. Book used: Statistical Methods For Forecasting by Abraham and Ledolter.

9. Actuarial Science 425/825: Survival Models. Book used: Survival Models and Their Estimation by London, 1993-1999, and Survival Analysis by Klein and Moeschberger 2000-2001.

10. Actuarial Science 430/830: Actuarial Forecasting Techniques. Book used: Econometric Models and Economic Forecasts by Pindyck and Rubinfeld.

11. Actuarial Science 440/840: Theory of Interest. Book used: The Theory of Interest by Kellison.

12. Actuarial Science 420/820: Mathematics of Demography. Book used: Demography by Brown.

13. Statistics 888: Time Series. Book used: Time Series: Theory and Methods by Brockwell and Davis.

14. Statistics 482/882: Mathematical Statistics I: Distribution Theory. Book used Introduction to Mathematical Statistics by Hogg and Craig.

15. Statistics 483: Mathematical Statistics II: Inference. Book used: Introduction to Mathematical Statistics by Hogg and Craig.

16. Statistics 380/880: Statistics and Applications. Book used: Probability and Statistics For Engineers and Scientists by Walpole and Myers.

17. Finance 361: Finance. Book used: Fundamentals of Corporate Finance by Brealey, Myers, and Marcus.

18. Actuarial Science 410/810. Introduction to Credibility and Simulation. Books used: Loss Models by Klugman, Panger, and Willmot, Foundations of casualty Actuarial Science by casualty Actuarial Society, and Simulation by Ross.

**INDUSTRY EXPERIENCE**

Research Economist, Ministry of Economic Affairs and Finance, Iran, 1977-1984.

Research Assistant, did data analysis and consulting for the Department of Anatomy of Michigan State University, 1987-1989.

**OTHER ACTIVITIES**

Member of the Undergraduate Curriculum committee, College of Business, UNL, 2017-2020.

Served as member of Ph.D. supervisory committee for Saeed Marvizadeh Zamiri, Industrial Engineering, 2011-2013.

Served as member of the Assessment Committee, College of Business Administration, UNL, 2008-2011.

Served as member of Masters supervisory committee for Mansour Abdoli, Department of Industrial Engineering, UNL, 2002.

Served as member of Ph.D. supervisory committee for Dae-Lyong Kim, Department of Finance.

Served as a member of the Research Committee, College of Business Administration, UNL, 2007.

Served as member of Gender and Minority Issues Committee, College of Business Administration, UNL, 1996-2002.

Served as member of Scholarships, Honors and Awards Committee, College of Business Administration, UNL, 1997-2000.

Referee for the Journal of Multivariate Analysis, Journal of Statistical planning and Inference, Journal of Actuarial Practice, Communications in Statistics, and the Quarterly Journal of Business and Economics.