THE UNIVERSITY OF IOWA

STATISTICS & ACTUARIAL SCIENCE

Fall 2013

sampler

from the **CHAIR**

Another successful year has gone by and it is time to once again report to you on the many exciting developments over the past year.

Another big change in the department: after 38 years of wonderful service, Russell V. Lenth retired this spring and continues to stay active with travel and playing chamber music with his horn quartet.

This year we graduated three Ph.D. students: Shu-Ching Chang, Zhongyi Yuan and Jinzheng Li. We also awarded 10 MS degrees and 13 BS degrees in statistics last year.

Our actuarial science program awarded 17 MS degrees and 29 BS degrees. Our students' pass rates on the SOA exams continue to be exceptional. In addition, 12 alumni became Fellows of the Society of Actuaries (FSA); 19 became Associates of the Society of Actuaries (ASA); 2 additional Associates of the Casualty Actuarial Society (ACAS); and 1 alumnus became a Chartered Enterprise Risk Analysts (CERA).

We are very grateful for the generous donations from alumni, friends, and companies who allow us to attract and support the best students. During the 2012-13 academic year we spent more than $68,000 on our students, the vast majority in the form of scholarships, actuarial exam fee reimbursements, and prizes. This is a big investment, but having the best students makes it worthwhile. Thank you for helping to make our programs successful!

I hope you will enjoy reading the news about our department, students, faculty, and alumni on the following pages. We would be happy to include any news you would like to share with former classmates in next year's newsletter. Please use the enclosed sheet to send your information, or send us an email.

Best wishes,

Luke Tierney
DEO, Statistics and Actuarial Science
(319) 335-0712
luke-tierney@uiowa.edu

COLLEGE OF
LIBERAL ARTS
& SCIENCES

Faculty and Staff News

Joyee Ghosh gave an invited talk "Finite Population Estimators in Stochastic Search Variable Selection", and organized and chaired an invited session "Bayesian Modeling and Computing" at the ISBA Regional Meeting and International Workshop/Conference on Bayesian Theory and Applications in Varanasi, India in January 2013. Joyee was one of the organizers of the invited poster session "Complex Data Analysis and High-Dimensional Computing: Methods and Applications at the Joint Statistical Meetings (JSM) in Montreal, Canada, in August 2013, and she served as the overall poster chair for JSM 2013. She also presented a talk "A Closer Look at the Median Probability Model for Bayesian Model Selection" in an invited session "Statistical Methods for High-Dimensional Data: Presentations by Junior Researchers" at JSM. This talk was based on joint work with Andrew Ghattas.

Jian Huang gave an invited talk at the Institute of Mathematical Statistics Meeting on Statistics and Probability, Chengdu, China, June 30 - July 4, 2013. His talk was titled: "Semiparametric Inference with Direct FDR Control." He also gave an invited talk in the Department of Statistics and Finance, University of Science and Technology of China on May 28, 2013. It was titled: "Concave Group Selection."   Jian also gave two lectures in the summer research workshop for graduate students on "Statistical Methods and Theory in the Big Data Era," organized by the School of Statistics and Management at the Shanghai University of Finance and Economics, Shanghai, China, July 14 - 22, 2013. The title of his lecture is "Statistical inference in high-dimensional regression." Jian has also been collaborating with a group of statisticians in the School of Statistics and Management at the Shanghai University of Finance and Economics in China on research projects developing methods and computational algorithms for analyzing high-dimensional data.

Russell Lenth was recognized on May 1, 2013 for his thirty-eight years of service to the University of Iowa and he began retirement in earnest after finishing teaching this spring. Thank you Professor Lenth for your wonderful years of teaching for our department! Prior to his retirement he was invited to give the Youden Memorial Lecture at the Fall Technical Conference in San Antonio. The title of the lecture was "The Web of Statistics," and it concerned all the different ways that statisticians, clients, organizations, and technologies interconnect, with emphasis on concepts in quality assurance and statistical engineering.

Osnat Stramer was invited to give a talk "Data augmentation for diffusions", at the SPA conference in Boulder, Colorado from July 29 to August 2, 2013. The invited session was on Inference for Stochastic Processes. Also she gave a talk titled "Bayesian inference for a generalized class of Heston models", at Northwestern University in April 2013.

Qihe Tang gave an invited talk to the Department of Industrial Engineering and Operations Research and Department of Statistics, Columbia University, New York, on October 3, 2013. His talk was titled: "The Sum-product Structure as a Mechanism for Risk Management". Additionally he gave a talk to the Division of Statistics, Northern Illinois University, DeKalb, on April 25-26, 2013 and to the Warren Centre for Actuarial Studies and Research, at the Asper School of Business, University of Manitoba, Winnipeg on March 18-22, 2013. The graduate talk was: "Reducing Risk by Merging Counter-monotonic Risks" (based on a joint work with Ka Chun Cheung, Jan Dhaene and Ambrose Lo). The seminar/research talk: "A Probabilistic Analysis of Chapter 7 and Chapter 11 of the U.S. bankruptcy code" (based on joint works with Bin Li, Lihe Wang and Xiaowen Zhou). Qihe also had contributed talks at the 48th Actuarial Research Conference (ARC), Temple University, Philadelphia, Pennsylvania on August 1-3, 2013. His talk was: "Interplay of Insurance and Financial Risks in a Discrete-time Model with Strong Regular Variation" (based on a joint work with Jinzhu Li). Qihe also gave a talk at the 17th International Congress on Insurance: Mathematics and Economics, at the University of Copenhagen, Copenhagen, Denmark, on July 1-3, 2013. His talk was: "Asymptotic Expressions for the Haezendonck--Goovaerts Risk Measure with General Young Function" (based on a joint work with Fan Yang). Additionally, he gave a talk at the AMCS (Applied Mathematical and Computational Sciences) Seminar, University of Iowa, Iowa City, February 15, 2013. His talk was titled: "Reducing Risk by Merging Counter-monotonic Risks" (based on a joint work with Ka Chun Cheung, Jan Dhaene and Ambrose Lo).

Elias Shiu was invited to give the 2013 Ronald H. and Mary E. Simon Actuarial Science Lecture at Michigan State University in September. The title of this lecture was "Option Pricing Without Tears: Valuing Equity-Linked Death Benefits." He attended the 17th International Congress on Insurance: Mathematics and Economics at the University of Copenhagen in July, and the 48th Actuarial Research Conference at Temple University in August.

N.D. Shyamalkumar completed a three-year term on the Hickman Scholar Awards Committee of the Society of Actuaries, serving as its chair for the last two years. Starting this summer he served as a faculty adviser on the Center of Actuarial Excellence Evaluation Committee of the Society of Actuaries. Shyamal also served as an elected council member on the Education and Research Section of the Society of Actuaries. He also presented a talk at the 48th Actuarial Research Conference (ARC), at Temple University, Philadelphia, Pennsylvania, in August, 2013.

Dale Zimmerman gave talks at the Miami Spatial Statistics Conference in December 2012 and at the annual meeting of The International Environmetric Society (TIES) in Anchorage, Alaska in June 2013.

Visiting Professors

The department would like to welcome the following visiting instructors to our program for the 2013-14 semesters:

Zhiyun Gong   Amy Johnson   Larry O'Brien   Woosuk Kim

Selected Papers

Clyde, M. A. and **Ghosh, J.** (2012), "Finite population estimators in stochastic search variable selection", Biometrika, 99(4), 981-988.

Ghosh, J. and Reiter, J. P. (2013), "Secure Bayesian model averaging for horizontally partitioned data", Statistics and Computing, 23(3), 311-322.

Huang, J., Sun, T., Ying, Z., Yu, Y. and Zhang, C.-H. (2013). Oracle inequalities for the LASSO in the Cox model. Annals of Statistics, 41, 1142-1165.

Liu, J., **Huang, J**. and Ma, S. (2013). Integrative analysis of multiple cancer genomic datasets. Statistics in Medicine. 32(20):3509-3021.

Huang, J., Breheny, P. and Ma, S. (2012). A selective review of group selection in high-dimensional models. Statistical Science, 27, 481-499.

Huang, J., Wei, F. and Ma, S. (2012). Semiparametric regression pursuit. Statistica Sinica, 22, 1403-1426.

Li, Y., **Huang, J.,** Amos, C. I. (2012). Genetic Association analysis of complex diseases incorporating intermediate phenotype information. PLoS ONE 7(10): e46612. doi:10.1371/journal.pone.0046612

Li, E. and Pourahmadi, M. (2013). An alternative REML estimation of covariance matrices in linear mixed models. Statistics and Probability Letters, 83, 1071—1077.

Gerber, H.U., **Shiu E.S.W.**, and Yang, H. (2013). Valuing equity-linked death benefits in jump diffusion models. *Insurance: Mathematics and Economics*, 53, 615-623.

Gerber, H.U., **Shiu E.S.W.**, and Yang, H. (2012). The omega model: from bankruptcy to occupation times in the red. *European Actuarial Journal*, 2, 259-272.

O. Papaspiliopoulos, G.O. Roberts and **O. Stramer**. "Data augmentation for diffusions'', Journal of Computational and Graphical Statistics, Volume 22, Issue 3, pp. 665--688, 2013. http://www.tandfonline.com/doi/full/10.1080/10618600.2013.783484.

Zimmerman, D.L. and Li, J. (2013). Model-based frequentist design for univariate and multivariate geostatistics. Pages 37-53 in Spatio-Temporal Design, Mateu, J. and Muller, W.G. (eds.), Wiley.

Xie, Y. and **Zimmerman, D.L.** (2013). Antedependence models for categorical longitudinal data with ignorable missingness: Likelihood-based inference. Statistics in Medicine, 32, 3274-3289.

Hogg, R.V. and **Zimmerman, D.L.** (2013). University of Iowa Department of Statistics and Actuarial Science. Pages 395-406 in Strength in Numbers: The Rising of Academic Statistics Departments in the U.S., A. Agresti and X.L. Meng (eds.), Springer.

Nunez-Anton, V. and **Zimmerman, D.L.** (2013). Complexities in error structures within individuals. Pages 161-182 in The SAGE Handbook of Multilevel Modeling, Scott, M.A., Simonoff, J., and Marx, B.D. (eds.), SAGE.

Selected Grants

student NEWS

Student Awards and Scholarships

Huan Zhang presented a paper titled "Risk Reducers in Convex Order" at The 48th Actuarial Research Conference (ARC), Temple University, Philadelphia, Pennsylvania, August 1–3, 2013. She is a recipient of the Society of Actuaries' James C. Hickman Scholar Doctoral Stipend.

May Ling Hu and **Stephanie Kommes** were selected to be Senators for Graduate Student Senate (GSS) at the University of Iowa for the 2012-13 academic years.

Jessica Orth presented her poster titled: "Dynamic Graphics: An Interactive Analysis Of What Attaches People To Their Communities" at the annual Joint Statistical Meeting in Montreal, Canada in August 2012. Jessica said "it was an incredible experience and exciting to network with so many different people, see new ideas and share my work and ideas, as well."

Our annual student awards were presented on April 22, 2013. The Allen T. Craig Award for outstanding teaching assistant was presented to **Elizabeth Brokken.**

For outstanding performance in the Actuarial Science program, **Andrew Reitgraf** won the Lloyd A. Knowler Award for Outstanding Achievement by a student in Actuarial Science for an undergraduate and **Xiao Wang** won the Lloyd A. Knowler Award for Outstanding Achievement by a student in Actuarial Science for a graduate student.

We also presented several Robert H. Taylor Awards for academic achievement in Actuarial Science. This year's recipients:

Robert H. Taylor Award in Actuarial Analysis
Zhongyi Yuan

Taylor-Craig Award for outstanding performance in ACTS:4130 (22S:174)
Qianya Sun (undergraduate student)
Pei Yang (graduate student)

Taylor-Cosby Award for outstanding performance in ACTS:3085/3080 (22S:179/180)
Qianya Sun (undergraduate student)
Shan Zhou (graduate student)

Taylor-Knowler Award for outstanding performance in ACTS:4280 (22S:182)
Yegang Wu (undergraduate student)
Xiao Wang (graduate student)

Scholarships totaling $53,800 were awarded to several students in the 2012-13 academic year. In addition $10,840 was award to students who passed professional actuarial exams.
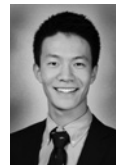
Included among these were several named scholarships:

Transamerica Scholarship
2013-14 **Dylan Schwers**, **Braden Hopkins**

Dylan Schwers

Knowler Scholarship
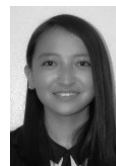2013-14 **Braden Hopkins**

Principal Financial Group Foundation Scholarship
2013-14 **Benjamin Mitchell, Andrew Rietgraf**

Towers Watson Scholarship
2013-14 **Greg Monson, Yemu Xu**

Yemu Xu

Harold W. Schloss Memorial Scholarship
2013-14 **Katherine M. Adams**

Northwestern Mutual
2013-14 **Cao Yu, Jacob Brady, Xu Dongyu**

Cao Xu

DW Simpson Scholarship
2013-14 **Brooke Stadel**

Brooke Stadel

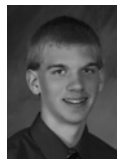Charles E. and Eleanore G. Wilson Scholarship

Sara Chen

Cody King

Mitchell Kinney

Nicholas Schlarmann

Julie Maller

Caitlin Carney, Sara Chen, Mary Feng, Cody King, Mitchell Kinney, Kerry Kohlbacher, Julie Maller, Nicholas Schlarmann, and Dalton Streff were selected and awarded scholarships from Charles E. and Eleanore G. Wilson Scholarship Fund for 2013-14. Charles Wilson (BA, 1941) attended The University of Iowa during the Depression only because of a scholarship. He was an actuary for 45 years. He established this fund because he wanted to give future students the same opportunity he had and to help the actuarial profession. This scholarship is for incoming first-year and transfer students, as well as currently enrolled students. Students must apply online at: http://www.clas.uiowa.edu/apps/scholarships/wilson/

Many of our students receive external awards and personal recognition for their academic achievements. We are very proud of our amazing students!

Andrew Rietgraf was elected Presidents of the Actuarial Science Club for 2013. The other officers include:
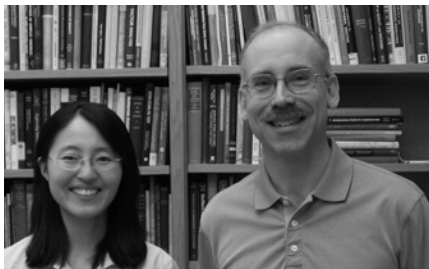
Vice President of Social Programming - **Brooke Stadel**

Vice President of Media - **Xiangyu Wang**

Vice President of Finance - **Greg Monson**

Underclassman Ambassador - **Yemu Xu**

Ph.D. Graduates

Shu-Ching Chang received her Ph.D. in July 2012. Her thesis was titled: "Antedependence models for skewed continuous longitudinal data" and her advisor was Dale Zimmerman.

Zhongyi Yuan received his Ph.D. in May 2013. His thesis was titled: "Quantitative analysis of extreme risks in insurance and finance" and his advisor was Qihe Tang. Zhongyi has taken an **Assistant Professor position at** Department of Risk Management, Smeal College of Business, Penn State University, University Park, PA.

Jinzheng Li received her Ph.D. in July 2012. Her thesis was titled: "Statistical detection with weak signals via regularization" and her advisor was Kung-Sik Chan.

Find us on Facebook!
Remember you can now find us on Facebook! Friend us at: University of Iowa Department of Statistics and Actuarial Science

Find us on Twitter!
@UIOWAStatActSci is the official Twitter account for the Department of Statistics and Actuarial Science at The University of Iowa.

Congratulations to Iowa alumni who became associates or fellows in the Society of Actuaries and the Casualty Actuarial Society!

SOCIETY OF ACTUARIES
Fellows (FSA)

December 2012
Ryan Douglas Potter (MS 2009)
Dimple Shah (née Doshi) (MS 2009)
Liwei Song (MS 2010)
Meng-Ling Tsai (MS 2008)

February 2013
Christian Fay Rulli (BS 2000)
Seth Donald Truka (BS 2009)

June 2013
Aaron J. Halbur (BS 2007)
Emily Jane Zingale (née Roling) (BS 2006)

August 2013
Eric Boucher (MS 2011)
Joseph L. Engstrom (BS 2003)
Amy Stange (BS 2009)
Qian Wan (MS 2002)

CASUALTY ACTUARIAL SOCIETY
Associates (ACAS)

Lin Ju (MS 2009)
Treva Ann Myers (BS 1989)

SOCIETY OF ACTUARIES
Chartered Enterprise Risk Analysts (CERA)

January 2013
Devin R. Westcott (BS 2009)

SOCIETY OF ACTUARIES
Associates (ASA)

Society of Actuaries
Associates (ASA)

September 2012
Mei Li (MS 2010)
Weiye Xu (MS 2009)

October 2012
Yaotian Lei (MS 2011)

November 2012
Alexander LeFevre (BS 2010)
Lu Yu (MS 2010)
Yuan Zhang (MS 2011)

December 2012
Bo Pang (MS 2010)

February 2013
Eric Jason Williams (BS 2009)
Preston Lee Schnoor (BBA 2010)
Eric Boucher (MS 2011)

April 2013
Yuan Zhang (MS 2008)
Cong Liu (MS 2012)
Kent S. Schrad (BS 2008)

July 2013
Han Chen (BS 2010)
Scot A. Glasford (BA Economics & Mathematics 2007)
Xuemiao Hao (PhD 2009)
Kelley Marie Weiss (BS 2010)

August 2013
Johnathon Dean DeGeest (BS 2012)
Jun Yang (MS 2008)

We want to hear from YOU!

The Sampler newsletter is sent to alumni and friends of the Department of Statistics and Actuarial Science at The University of Iowa. As always, we like to hear from our alumni. Please drop us a line and let us know about recent promotions, job changes, professional designations, name changes, etc. Please email us at statistics@uiowa.edu or actuarial-science@uiowa.edu or send updates to us at 20 East Washington Street, 241 Schaeffer Hall, Iowa City, IA 52242-1409. Thank you!

Questions, comments, address changes and alumni news can be sent to:

Newsletter Updates
Department of Statistics and Actuarial Science
The University of Iowa
241 Schaeffer Hall
Iowa City, IA 52242-1409

Telephone: (319) 335-0712
FAX: (319) 335-3017
E-mail: statistics@uiowa.edu or actuarial-science@uiowa.edu

Please Print:

Name _____ (maiden name when appropriate) _____

Year Graduated from Iowa _____ Degree _____ Major _____

Professional Designations ○ ASA   ○ ACAS   ○ FSA   ○ FCAS   ○ MAAA

○ Other Professional Designations: _____

Address and Employer Update

Address _____

City _____

State _____ ZIP _____-_____

Home Phone _____

E-mail _____

Employer/company name _____

Employer address _____

What is happening in your life and career?

_____
_____
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May we share this in our department newsletter?   ○ Yes   ○ No

Newsletter Updates
Department of Statistics and Actuarial Science
The University of Iowa
241 Schaeffer Hall
Iowa City, IA 52242-1409

Invited SPEAKERS

Fall 2012

Sara Scheib
Sciences Research and Instruction Librarian, University of Iowa
The University of Iowa Libraries – Your Gateway to Scholarship

Joseph Lang
Professor, Department of Statistics,University of Iowa
Upon Closer Inspection...Testing in Comparative Experiments

Bob Hogg
Professor Emeritus, Department of Statistics and Actuarial Science, University of Iowa About People: Some Statisticians, but No Statistics

Sounak Chakraborty
Associate Professor, Department of Statistics, University of Missouri-Columbia Survival Prediction with Simultaneous Shrinkage and Grouping Priors

Russell Lenth
Professor, Department of Statistics and Actuarial Science, University of Iowa Packaging Least- Squares Means for R

Ting Zhang
Assistant Professor, Department of Statistics and Actuarial Science, University of Iowa Inference of Time-Varying Regression Models

Sijian Wang
Assistant Professor, Department of Biostatistics & Medical Informatics, University of Wisconsin at Madison Group and within group variable selection via convex penalty

Kun Chen
Assistant Professor, Department of Statistics, Kansas State University Adaptive Reduced-rank Estimation and its Degrees of Freedom

Barbara Monaco and Stu Janis
Statistician, Data, and 3M

Bin Li
PhD student in Applied Mathematical and Computational Sciences, University of Iowa
The Liquidation Risk under Chapter 7 and Chapter 11 of the U.S. Bankruptcy Code and Pricing Barrier-Parisian Options

Spring 2013

Tianxiang Shi
Doctoral Candidate, Department of Statistics and Actuarial Science, University of Waterloo, Ontario Canada
The time to ruin: analysis of an insurer's solvency risk

Wei Wei
Doctoral Candidate in Actuarial Science, University of Waterloo
Optimal allocation problems in insurance and finance with dependent risks

Lei (Larry) Hua
Assistant Professor, Department of Mathematical Sciences, Northern Illinois University
Seeking new copulas through tail orders

Christopher S. Coffey
Director, Clinical Trials Statistical and Data Management Center Professor, Department of Biostatistics, University of Iowa
An Overview of Current Issues in Adaptive Designs

Ann Cannon
Associate Professor of Mathematics and Statistics, Department of Mathematics, Cornell College
Reimagining the first year of Undergraduate Statistics: One Statistician's Experience

Erning Li
Visiting Lecturer, University of Iowa Department of Statistics and Actuarial Science
An Alternative REML Estimation of Covariance Matrices in Linear Mixed Models

Yong Chen
Professor, University of Iowa Department of Industrial Engineering
Sensor System Redundancy Analysis and Sensor Fault Diagnosis

Javier Suarez Espinosa
Visiting Lecturer, University of Iowa Department of Statistics and Actuarial Science
Assistant Professor, University of Naples, Federico Italy
A Goodness of fit test for the Type II Pareto Distribution

Paul Embrechts
Professor of Mathematics at ETH Zurich
Specializing in Actuarial Mathematics and Quantitative Risk management, "Thinking about Extremes" and "Model Uncertainty and Risk Aggregation".

other**NEWS**

UI student Mitchell Kinney recently sat down with ValuePenguin (a consumer finance website) to chat about all things statistics.

For the next part in our 'Future of Statisticians' series, we were lucky enough to speak with Mitch Kinney at the University of Iowa.

Here's the interview:

What influenced you to pursue being a statistician?

I always enjoyed math in high school but knew that there was no real application for solving problems out of a textbook in real life so I took a statistics class my senior year and really enjoyed it. My teacher told me about everything you could do with statistics and since it was based in math I decided to continue with it into college.

Why should other students consider a focus in Statistics?

Right now, I believe, statistics is becoming almost a necessity for businesses and anyone looking to utilize information to make money. Computers today can record and store massive amounts of data easily. When you have the skill set to look at this data and understand the trends of it to make predictions, you become an extremely valuable asset.

What has been your experience with Statistics at University of Iowa?

I have really enjoyed my academic life here at Iowa. The professors are all very knowledgeable and I feel like many of the classes that I've taken in statistics have been geared towards students who want to excel. By that I mean the professors will spend some time on the basics but what they really want to teach and take questions about are how the basics lead to that next step. That next step where students can see all the really cool things you are able to do with statistical methods.

Have you participated in any internships, and if so, how many and how were they?

I have not. Hopefully this summer!

Please share an interesting or little-known fact you've learned about the world of statisticians...

I think it is interesting that statistics was first formally used as a method to examine gambling. Statistics has grown to envelope so much more complicated mathematical thought but it all started with someone wanting to know how pure chance was used to make money.

What are the latest developments or trends in Statistics?

The fields of Biostatistics and Bioinformatics are really cool right now. With all the information we are starting to collect about the human body we need some way to analyze it all and be able to quickly determine the best treatment for a patient. Studies are coming out daily so doctors need a support system that is able to keep track of everything and recommend the best diagnosis/treatment.

What are your future aspirations and career plans?

I am planning on attending graduate school to earn a PhD in statistics with some sort of computer science focus. After that I would like to find a job in the private sector helping companies run more efficiently by using statistical methods in some capacity.

Anything else you'd like to share?

If you find it fascinating that numbers on a piece of paper can tell you a story about a situation then you should check out statistics because that's a lot of what we do.

New Books by our Faculty!

Johannes Ledolter
Data Mining and Business Analytics with R, 1st ed., Wiley, 2013

Mary Kathryn Cowles
Applied Bayesian Statistics, 1st ed.,Springer, 2013

Robert V. Hogg, Joseph W. McKean and **Allen T. Craig**
Introduction to Mathematical Statistics, 7th ed., Prentice Hall, 2012

what's NEW?

Actuarial Science Career Fair

In order to be competitive with other actuarial programs and provide an opportunity for organizations to meet with all the students in a timely manner we hosted an actuarial science career fair in place of separate information sessions for each organization. It was held on Wednesday, October 2nd, 2013 from 3-6 pm at the Pomerantz Career Center. Sixteen companies attended this fair and over one-hundred excited and committed actuarial students at the University of Iowa came to greet these company representatives! The following companies were in attendance: Aon Hewitt; Assurant Health; Aviva USA; Fidelity Investments; Hannover Life Reassurance Company of America (HLR America); Humana; Lincoln Financial Group; Milliman; Nationwide Insurance; Northwestern Mutual Life Insurance Company; PricewaterhouseCoopers LLP; Principal Financial Group; RGA Reinsurance Company; State Farm Insurance Companies; Towers Watson; and Transamerica.

Seminar for first year students in Actuarial Science

Professor N. D. Shyamalkumar is teaching an introductory seminar for first-year students in Actuarial Science beginning fall 2013. One of the goals is to expose students to actuarial problems of current interest, and the tools that actuaries bring to bear towards finding a solution. This will help students get a better understanding of the profession and help them make informed choice of courses and practice areas or environments. This course would welcome suitable presentations by practitioners as well as on-site experiential learning opportunities.

Joint BS in Statistics/MPH with Quantitative Methods Subtrack

Students majoring in statistics who are interested in earning a Master of Public Health degree w/quantitative methods subtrack may apply to the joint B.S. /M.P.H. program. This joint B.S./M.P.H. program is offered by the College of Liberal Arts and Sciences and the College of Public Health. The program permits students to count 12 s.h. of credit toward the requirements for both degrees, enabling them to begin the study of public health before they complete the bachelor's degree.

Faculty Fencer

Fencing can be a great activity for anyone, including students, because it's a sport that requires a lot of focus and attention, which can help in the classroom. Luke Tierney is a Professor at the University of Iowa and the head of the Statistics and Actuarial Science Department. Many of his co-workers and students don't know he's handy with a sword. Luke is a fencer. He trains at the Iowa City Fencing Center, which offers classes for all experience levels.

Check out this You Tube video!! http://www.youtube.com/watch?v=p5f1L-7c2zA&list=PLD43E6BDFF8DA1622&index=1

In Memoriam

Class of 1939
Mr. Raymond L. Maurer (BA in Mathematical Sciences) died July 2013.

Class of 1942
Mr. Howard C. Westphal (BA in Mathematical Sciences) died June 2013.

Class of 1943
Ms. Frances Hein (née Glocker) (BA in Mathematical Sciences) died January 2013.

Class of 1946
Mr. Raymond R. Gutzman (MS in Mathematical Sciences) died April 2013.

Class of 1948
Mr. Thomas M. Wolfson (BA in Mathematical Sciences) died September 2013.
Mr. Wilfred A. Kraegel (MS in Mathematical Sciences) died November 2012

Class of 1949
Mr. Dale L. Marshall (MS in Mathematical Sciences) died February 2013.

Class of 1950
Mr. John W. Grill (BA in Mathematical Sciences) died February 2013.

Mr. Leon D. Forbes (MS in Mathematical Sciences) died November 2012.

Class of 1951
Mr. Vernon Lowenberg (MS in Mathematical Sciences) died July 2013.

Class of 1955
Mr. Joseph A. Krenz (MS in Mathematical Sciences) died November 2012.

Class of 1959
Mr. Vern W. Cain (MS in Mathematical Sciences) died June 2013.

Class of 1960
Ms. Ruth H. Skelley (née Hale) (BA in Mathematical Sciences) died April 2013.

Class of 1964
Mr. David R. Barr (PhD in Mathematical Sciences) died May 2013.
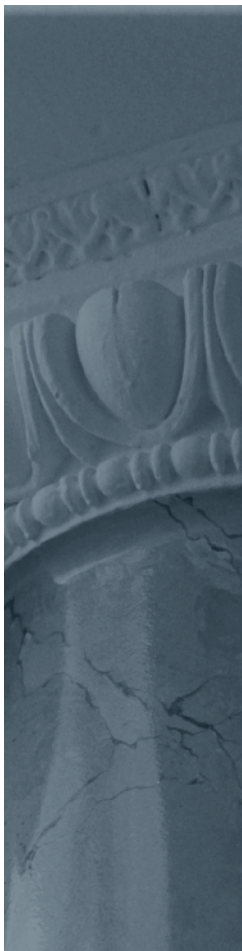
Class of 1965
Mr. Stanley M. Verhoeven (BA in Mathematical Sciences) died March 2013.

Class of 1981
Mr. Russell J. Wiltgen (BS in Mathematical Sciences) died January 2013.

THE UNIVERSITY OF IOWA

STATISTICS & ACTUARIAL SCIENCE

sampler

Department of Statistics and Actuarial Science
241 Schaeffer Hall
Iowa City, IA 52242-1409

HOW YOU CAN HELP...

Many of you have been very generous in the past by supporting our students with your charitable donations. We are very appreciative of your support as it allows us to help many gifted and talented students to achieve their academic goals. Your gift to the Department of Statistics and Actuarial Science benefits education and research!

To make a contribution, go the Department's online gift web site at:

http://www.givetoiowa.org/statistics

Thank you; your gifts to the Department of Statistics and Actuarial Science
are greatly appreciated!

Reminders:

- Gifts to the **UI Foundation**, the channel preferred by The University of Iowa for private support, qualify as charitable contributions to an IRC, Sec.501(c)(3) organization for federal income, estate, and gift tax purposes.

- You can become a member of the College of Liberal Arts and Sciences Dean's Club with gift support of $1,000 or more during the fiscal year July 1-June 20 to the Department of Statistics and Actuarial Science Development fund or any other are of the College. Gift support totaling $2,500 or more will qualify you for membership in the **Patrons Circle of Dean's Club**, designated to recognize the College's most generous benefactors.