

# CURRICULUM VITAE

NICOLAS CHRISTOU

UCLA Department of Statistics

8125 Math Sciences Bldg, Los Angeles, CA 90095-1554

Phone: (310) 206-4420

Fax: (310) 206-5658

E-mail: [nchristo@stat.ucla.edu](mailto:nchristo@stat.ucla.edu)

<http://www.stat.ucla.edu/~nchristo>

## EDUCATION

- **Ph.D.** in Statistics and Operations Research, Stern School of Business, NYU, 2000.
- **M.Phil.** in Statistics and Operations Research, Stern/NYU, 1995.
- **M.S.** in Statistics and Operations Research, Stern/NYU, 1993.
- **Diploma** in Mining and Metallurgical Engineering, National Technical University of Athens, Greece, 1989.

## RESEARCH INTERESTS

- **Spatial Data** (identifying “hot spots” in spatial data).
- **Financial data** (statistical model in finance - portfolio theory, pricing of options).
- **Statistics Education.**

## EMPLOYMENTS

- Lecturer, UCLA Department of Statistics, 2006-present.
- Adjunct Assistant Professor, UCLA Department of Statistics, 2000-06.
- Instructor of Statistics, Stern/NYU, 1996-00.
- Research Assistant, Stern School of Business, NYU, 1993-99.
- Teaching Assistant, Stern School of Business, NYU, 01/92-05/93, Summer 95, Fall 95.
- Computer Consultant, Stern School of Business, NYU, 09/91-08/92.
- Mining Engineer, Geoinvest, Nicosia, Cyprus, 06-12/90.
- Quarry Manager, Mitseron Quarries, Nicosia, Cyprus, 04/89-12/90.

## TEACHING

1. Statistics C183/C283: Statistical Models in Finance, UCLA, (Spring 04, 05, 06, 07, 08, 09, 10).
2. Statistics C173/C273: Applied Geostatistics, UCLA, (Spring 08, 09, Winter 10).
3. Statistics 296 (Graduate Seminar), UCLA, (Winter 07, Spring 03, 07, Fall 07, 08, 09, Fall 10).
4. Statistics 199 (Research Seminar), UCLA, (Fall 04, 06, 07, Winter 05, Spring 05).
5. Statistics 100A: Intro to Probability Theory, UCLA, (Fall 02, 03, 04, 05, 06, 07, 09, 10, Summer 04, 06, 07, 08, 09).
6. Statistics 100B: Intro to Mathematical Statistics, UCLA, (Winter 02, 03, 04, 05, 06, 07, 08, 09).
7. Statistics 100C: Regression and Multivariate Analysis, UCLA, (Spring 03, 04, 05, 06, 07).
8. Statistics 189: Advanced Honors Seminar, UCLA, (Fall 04, 05).
9. Statistics 110A: Applied Statistics, UCLA, (Fall 00, 01, Winter 01, 02, 09, Summer 01, 02, 03, 04, 05, 06, 07, 08, 09).
10. Statistics 110B: Applied Statistics, UCLA, (Fall 01, Winter 03).
11. Statistics 89: Honors Seminar, UCLA, (Fall 04, 06).
12. Statistics 10: Intro to Statistical Reasoning, UCLA, (Spring 01, Fall 04, Summer 05).
13. Statistics M11/Econ M40: Intro to Statistical Methods for Business and Economics, UCLA, (Winter 01, Spring 01).
14. Statistics 12: Intro to Statistical Methods for Geography and Environmental Studies, UCLA, (Spring 10, Summer 10).
15. Statistics 13: Intro to Statistical Methods for the Life and Health Sciences, UCLA, (Winter 05, 06, Fall 06, 07, 09, 10, Winter 06, 07, 08, 09, Spring 09).
16. Statistics 35A: Interactive and Computational Probability, UCLA, (Spring 07).
17. Statistics 19: Fiat Lux Freshman Seminar, UCLA, (Fall 03, 04, 05, 06, 07, 09, 10, Winter 09).
18. B09.2405: Data Analysis and Modeling for Managers MBA course, Stern/NYU, (Fall 99).
19. C22.0001: Statistics for Business Control, Stern/NYU, (Fall 98).
20. Statistics C22.0103: Statistics for Business Control and Regression and Forecasting Models, Stern/NYU, (Spring 96, 97, 98).

## PUBLICATIONS AND RESEARCH PAPERS

1. Al-Aziz, J., **Christou, N.**, Dinov, ID. (2010) “SOCR Motion Charts: An Efficient, Open-Source, Interactive and Dynamic Applet for Visualizing Longitudinal Multivariate Data,” *JSE*, 18(3), 1-29.
2. **Christou, N.**, Dinov, ID (2010) “A Study of Students Learning Styles, Discipline Attitudes and Knowledge Acquisition in Technology-Enhanced Probability and Statistics Education”, *JOLT*, 6(3), 546-572, September 2010.
3. Diez, D., **Christou, N.** (2009) *stockPortfolio*: An R Package for Stock Portfolio Modeling and Management.
4. Dinov, ID, **Christou, N.** (2009) SOCR Workshop Handbook.
5. Dinov, ID, **Christou, N.**, Gould, R., (2009) “Law of Large Numbers: The Theory, Applications and Technology-based Education,” *Journal of Statistics Education*, Volume 17, Number 1.
6. Dinov, ID, **Christou, N.** (2009) “Statistics Online Computational Resource for Education,” *Teaching Statistics*, Vol. 31, No. 2, 49-51.
7. Dinov, ID, **Christou, N.**, Sanchez, J. (2008) “Central Limit Theorem: New SOCR Applet and Demonstration Activity,” *Journal of Statistics Education*, Volume 16, Number 2.
8. **Christou, N.**, Dinov, I.D. (2008), “Statistics Online Computational Resource for Education: www.SOCR.ucla.edu”, 2008 Hawaii International Conference on Statistics, Mathematics and Related Fields, Proceedings.
9. Dinov, I.D. , **Christou, N.**, Sanchez, J. (2007) “Handbook on Continuing Statistics Education with Technology Workshop” (2007): [http://repositories.cdlib.org/socr/events/SOCR\\_2007\\_Workshop/workshop\\_handbook2007](http://repositories.cdlib.org/socr/events/SOCR_2007_Workshop/workshop_handbook2007).
10. **Christou, N.**, Dinov, I.D., Sanchez, J., (2007), “Enhancing the Teaching of Statistics with Technology Using the Online Computational Resource (SOCR), 2007 Proceedings of the American Statistical Association, Section on Statistics Education [CD-ROM], Alexandria, VA: American Statistical Association.
11. **Christou, N.** “Enhancing the Teaching of Statistics: Portfolio Theory, an Application of Statistics in Finance,” *Journal of Statistics Education*, Volume 16, Number 3 (2008).
12. Dinov, I.D., Sanchez, J., **Christou, N.** “Pedagogical Utilization and Assessment of the Statistic Online Computational Resource in Introductory Probability and Statistics.” *Computers & Education*, (<http://dx.doi.org/10.1016/j.compedu.2006.06.003>), 50 (2008), 284-300.
13. Dinov, I.D., Sanchez, J., **Christou, N.** (2006), “Pedagogical Utilization and Assessment of the Statistic Online Computational Resource in Introductory Probability and Statistics Courses, 2006 Proceedings of the American Statistical Association, Section on Statistics Education [CD-ROM], Alexandria, VA: American Statistical Association.

14. **Christou, N.**, Simon, G. “Spatial Regression Models Using Inter-Region Distances in a Non-Random Context,” *Communications in Statistics - Simulation and Computation*, Vol. 37, Issue 7 (2008).
15. **Christou, N.** Review of “Spatial Statistics and Computational Methods,” by J. Moeller, *Journal of Statistical Software*, (2005), Volume 12, Book Review 3.
16. **Christou, N.** “The True R-Squared and the Truth about R-Squared - II,” Joint Statistical Meetings, San Francisco 2003, Proceedings.
17. **Christou, N.** “The True R-Squared and the Truth about R-Squared - I,” 2003 Hawaii International Conference on Statistics, Proceedings.
18. **Christou, N.** “Spatial Regression Models Using Inter-Region Distances in a Non-Random Context,” Ph.D. thesis, Stern School of Business, New York University, *UMI Dissertation Services, Bell & Howell Information and Learning Company, Catalog Number 9948051*, (2000), 149 pages, book.
19. **Christou, N.** “Exploitation of the Elikonas bauxite ore deposit,” (in Greek), Diploma thesis, National Technical University of Athens, Greece, (1989), 176 pages, monograph.

## GRADUATE STUDENTS

- **M.S. Students Advised:**

1. Brian Ng (2004)
2. Kimberly Duke(2005)
3. Demertria Gianopoulos (2005)
4. Ohjin Kwon (2005)
5. Kathy Kam (2006)

- **M.S. Students Committee:**

1. Sovia Lau (2004)
2. Jamie Pompa (2005)
3. Yang Wen (2005)
4. Yi Zhou (2006)
5. Kirsten Johnson (2006)
6. John Bucci (2006)
7. Weizhi Mo (2006)
8. Shuojun Wang (2007)
9. Joshua Chang (2007)
10. Yong Fu (2007)
11. Ting Zhou (2008)
12. Judy Kong (2008)
13. Angela Leung 2009)
14. Robert Bexton (2010)

## PRESENTATIONS

1. SOCR Continuing Education Workshop, UCLA, 13 August 2010.
2. Joint Statistical Meetings, Vancouver, BC, Canada, 2010.
3. MERLOT International Conference, San Jose, CA 2010.
4. 57<sup>th</sup> Session of the International Statistical Institute (ISI), Durban, South Africa, 2009.
5. SOCR Continuing Education Workshop, UCLA, 10-12 August 2009.
6. Joint Statistical Meetings, Washington, DC, 2009.
7. MERLOT International Conference, Minneapolis, MN, 2008.
8. Joint Statistical Meetings, Denver, 2008.
9. 7<sup>th</sup> Annual Hawaii International Conference on Statistics, Mathematics and Related Fields, Hawaii, 2008.
10. 56<sup>th</sup> Session of the International Statistical Institute (ISI), Lisbon, Portugal, 2007.
11. MERLOT International Conference, New Orleans, LA, 2007.
12. SOCR Workshop, UCLA, 6-8 August 2007.
13. Joint Statistical Meetings, Salt Lake City, 2007.
14. USCOTS, Columbus, 2007
15. University of Cyprus, Department of Mathematics and Statistics, Demonstration and Assessment of the Statistics Online Computational Resource (SOCR), Nicosia, Cyprus, 2006..
16. Professor in the Union Program, UCLA, June 2004, "The Olympic Games: From Antiquity to Modern Times."
17. Joint Statistical Meetings, San Francisco, 2003.
18. Hawaii International Conference on Statistics and Related Fields, Hawaii, 2003.
19. UCLA Department of Statistics, 2000.
20. National Economic Research Associates Inc., Consulting Firm, New York, 2000.
21. Rose-Hulman Institute of Technology, Department of Mathematics, 2000.
22. University of Northern Colorado, ASMR Department, School of Education, 2000.
23. University of Miami, Coral Gables, Department of Management Science, 2000.
24. Drew University, Department of Mathematics / Computer Science 2000.
25. Cornell University, Department of Statistical Science, 1999.
26. State University of New York, New Paltz, School of Business, 1999.

27. NYU, Stern School of Business, Department of Statistics, 1997.
28. SPRUCE IV International Conference, Enschede, The Netherlands, 1997.
29. NYU, Stern School of Business, Department of Statistics, 1996.

## **DISTINCTIONS & AWARDS**

- Nominated for the UCLA 2009-10 UCLA Distinguished Lecturer Award.
- Journal of Environmental Statistics, <http://www.jenvstat.org/>, Founding Editor (with Rick Paik-Schoenberg), January 2009 to present.
- Award recipient, 2007-08 Brian P. Copenhaver Award for Innovation in Teaching with Technology, UCLA.
- Co-Principal Investigator, NSF Grant (0716055), 2007-11, (<http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=0716055>).
- Co-Director: Statistics Online Computational Resource (SOCR - <http://www.socr.ucla.edu>).
- Center of Environmental Statistics, UCLA Department of Statistics.
- Nominated for the 2003-04 Brian P. Copenhaver Award for Innovation in Teaching with Technology.
- Honorary Member, Golden Key International Honour Society, UCLA Chapter, Since April 2004.
- NYU Outstanding Teaching Award (1995-96, 1996-97).
- Edward Deming Fellowship in Statistics, Stern/NYU, Fall 1996.
- Elected Ph.D. Student Representative, Stern/NYU, 1994-95 and 1995-96.

## **CONSULTING**

- TNS Media Intelligence, Los Angeles, CA (Fall 2003).
- Silver and Baryte Ores Mining Co. SA, Athens, Greece, Fall 2003.
- Speech and Language Pathology and Audiology, NYU, (Spring 2000).
- Consultant, Mande Annies, Retail Clothing, New York, NY (Fall 1995).

## **PROFESSIONAL MEMBERSHIP**

- Member of the American Statistical Association.
- Member of the Society for Mining, Metallurgy, and Exploration (USA).
- Member of the Cyprus Association of Geologists and Mining Engineers.
- Member of the Technical Chambers of Cyprus.

## ADDITIONAL INFORMATION

1. Reviewer of several textbooks in statistics and probability theory.
2. Computer languages: Fortran, R, Stata, SAS, Latex, GRASS, and other statistical packages and spreadsheets.
3. Military Service, Cyprus Army Armored Corps, Second Lieutenant 1981-83.
4. Fluent in Greek.
5. Marathon runner.

## REFERENCES

- Jan de Leeuw, Distinguished Professor and Chair, UCLA Department of Statistics, 8125 Math Science Bldg., Los Angeles, CA 90095, (310) 825-9550, deleeuw@stat.ucla.edu.
- Hongquan Xu, Associate Professor, UCLA Department of Statistics, 8125 Math Science Bldg., Los Angeles, CA 90095, (310) 206-0035, hqxu@stat.ucla.edu.
- Ivo Dinov, Adjunct Associate Professor, UCLA Department of Statistics, 8125 Math Science Bldg., Los Angeles, CA 90095, (310) 206-5518, dinov@stat.ucla.edu.
- Rob Gould, Academic Administrator and Undergraduate Vice-Chair, UCLA Department of Statistics, 8125 Math Science Bldg., Los Angeles, CA 90095, (310) 206-3381, rgould@stat.ucla.edu.