# Terry Dalton

Office Address Contact Number

Department of Criminology, Law & Society

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| Education | Ph.D. University of Denver *Major:* Quantitative Research Methods*Concentration:* Criminal Justice & Public Policy *Dissertation*: The expanding definition of crime and its effect on the individual: A multilevel modeling analysisJ.D. Sturm School of Law *Concentration:* Criminal LawM.B.A. Daniels College of Business *Concentration:* Quantitative analyses B.S.B.A. University of Denver *Major:* Statistics |
| Primary Research Interests | Data ScienceQuantitative Modeling of Complex Social SystemsCourt EfficiencyPedagogy and Course Delivery Modalities |
| Professional Experience | 2015–presentDirector , Masters of Advanced Study (MAS) in Criminology, Law and SocietyResponsible for program budget, operations, marketing, course development, faculty oversight and delivery. Lecturer, SOE (tenured)Dept. of Criminology, Law & Society, University of California, Irvine Responsible for course design, development, and delivery of undergraduate and graduate statistical methods sequence and criminology electives. Directing and mentoring students in field research and dissertations. 2012–2015Lecturer, PSOE (tenure-track)Dept. of Criminology, Law & Society, University of California, Irvine Responsible for course design, development, and delivery of undergraduate and graduate statistical methods sequence and criminology electives. Directing and mentoring students in field research and dissertations. 2006-2012Director of Quantitative StudiesJosef Korbel School of International Studies, University of Denver Responsible for all aspects of course design, development, delivery, and improvement of the statistical methods sequence. Directing and mentoring students in quantitative aspects of internships, theses, and dissertations. |
| Professional Memberships | American Statistical Association American Society of CriminologyAssociation for the Advancement of Computing in Education |
| Courses & Workshops Taught  | *Undergraduate** Drugs, Crime and Social Control
* Government Crime
* Criminal Justice System Capacity
* Regression and Correlation Analysis
* Applied Statistical Modeling
* Nonparametric Statistics
* Statistical Computing with SAS
* Applied Calculus for Business & Economics

*Graduate** Research Design
* Data Analysis for Social Ecology using Stata
* Hierarchical Linear Modeling
* Statistical Methods I: Introductory Statistics using SAS
* Statistical Methods II: Intermediate Statistics using SAS
* Statistical Methods III: Multivariate Analysis
* Capstone Seminar in Research Methods

*Software** SAS, Stata, SPSS, Minitab, HLM6, WINSTEPS, Amos, MPlus, LexisNexis, Westlaw
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| Awards & Notables | Professor of the Year (annual school wide award given to one faculty member for excellence in teaching – UCI)Distinguished Assistant Professor Award for Teaching (annual university wide award given to one faculty member for excellence in teaching – UCI)Scholarship of Teaching Award (annual college-wide award given to one faculty member for excellence in teaching - DU)Disability Awareness Award RecognitionMaurice Davies Award (regional award for scholastic excellence in statistics)American Jurisprudence Award in Trial TacticsPioneer Award, Service (university-wide; awarded to two faculty per year)Consistently in the top ten percent on student course evaluations |
| Grants | *PEW Foundation** Funding for graduate students involved in judicial research

*Center for Teaching & Learning – University of Denver** Integrating Modern Software Technology into the Core Curriculum
* Incorporating Knowledge Technology into the Curriculum
* Software Technology
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| University Service | Faculty Welfare Committee (UCI)Program Learning Outcomes Assessment Committee (UCI)Graduate Evaluations Committee (UCI)Department Awards Committee (UCI)Department Web Page Design Committee (UCI)Teaching, Learning & Technology Panel (UCI)Undergraduate Curriculum Committee (DU)Assessment Committee (DU)Appointment, Promotion & Tenure Subcommittee of the Faculty Senate (DU)College of Education Faculty Search Committee (DU)Accreditation Subcommittee (DU) |
| Community Service & Projects | Discovery Channel / MY Tupelo – “The Equalizer” show; probability modelsColorado Division of Criminal Justice – best practices; chronic offendersMescalero Apache Indian Tribe – sustainable development on the reservationGlobal Human Trafficking (Denver initiative) – predictive modelingInstitute for the Advancement of the American Legal System (Denver think tank) – efficiency modelingColorado State Judicial – predictive modeling of legal compliance |
| Publications | 1. Dalton, T., & Singer, J. (2014). Bigger Isn't Always Better: An Analysis of Court Efficiency Using Hierarchical Linear Modeling. *Pace Law Review*, Vol. 34, No. 3.

[Federal District Court Study for the Institute for the Advancement of the American Legal System using a database of 8000 cases to build a multi-level model to predict overall case length.]1. Shatz, S., & Dalton, T. (2013). Challenging the Death Penalty with Statistics: Furman, McCleskey and a Single County Case Study. *Cardozo Law Review*, Vol. 34, No. 4.

[A study of cases from 1979 to the present examining the constitutionality of factors leading to a death penalty judgment.]1. Hannum, R., Rutherford, M., & Dalton, T. (2012). Economics of Poker: The Effect of Systemic Chance. *Journal of Gambling Business & Economics*, Vol. 6, No. 1.

[An analysis of the roles of skill and chance in poker using a data set of more than one billion hands of real money play.]1. Price, B., & Dalton, T. (2008). From Downhill to Slalom: An Empirical Analysis of the Effectiveness of BAPCPA (And Some Unintended Consequences). Yale Law and Policy Review, Vol. 26, No. 1.

[Federal Bankruptcy Court study using a large database to model compliance and impact of legislative changes.]*Works in Progress*Dalton, T. (*in progress*). Collusion in Online Games.[An analysis of the potential for cheating in online poker using a data set of more than one billion hands of real money play.]Dalton, T., Hannum, R., (*in progress*). Edge Sorting as Advantage Play.[An analysis of edge sorting on the continuum of cheating to advantage play.] |
| Presentations | Casino Crime and Advantge Play.(invited speaker) *Macao Polytechnic Institute,* Macao, China (September 2013)The Fallacy of Intuition. *Doyle Inn of Court,* Denver, Colorado (September 2013).Faculty Institute for Online Learning (panel member). *Teaching, Learning, and Technology Center*, UCI (July 2013).Casino Employees Crimes: Equal Opportunity Threat? *International Conference on Gambling & Risk Taking*, Las Vegas, NV (May 2013).Baccarat Edge Sorting: A Further Look. *International Conference on Gambling & Risk Taking*, Las Vegas, NV (May 2013).Online and Hybrid Learning (panel member). *Teaching, Learning, and Technology Center*, UCI (May 2013).Blended Learning: A Roadmap to Success. *Society for Information Technology and Education (SITE) 24th International Conference*, New Orleans, LA (March 2013).The Criminology of Poker. *Academy of Criminal Justice Sciences Annual Meeting*, New York, NY (March 2012).Threats to Causal Inference Using Epidemiological Methods. *Denver Corporate Center*, Denver, CO (Sept. 2010).The Role of Statistical Inference in Judicial Policy Decision Making. *Institute for the Advancement of the American Legal System*, Denver, CO (Feb. 2009). |