Chris Jenkins | Curriculum Vitae

New York City

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A recent Ph.D. graduate, trained in data modeling and experimental design, and a self-taught coder focused on methods for data manipulation, analysis, and presentation. Seeking a position to explore and interpret data, apply my psychological domain expertise, and advance my software engineering skill.

Education

- **2014: Ph.D., Experimental Psychology,** University of New Mexico. Major emphasis: Evolution and Development; Minor emphasis: Quantitative Methods.
- **2003: B.S., Psychology,** *summa cum laude*, Barrett Honors College at Arizona State University.

Technical Skills

- **Quantitative Training:** Expertise in use of advanced linear models, data reduction techniques, and multiple regression modeling. Graduate courses completed at the University of New Mexico: Advanced Statistics; Design and Analysis of Experiments; Structural Equation Modeling; Special Topics: Analysis of Data; ST: Multivariate Techniques; ST: Psychometrics.
- **Languages and Software:** Expertise in Python, including use of pandas and matplotlib; strong proficiency in SPSS and advanced Excel functions; basic proficiency in R, PostgreSQL, Flask, C, C#, MATLAB, TeX, and Git.

Employment and Teaching

University of New Mexico, Department of Psychology   **Albuquerque, NM**
Graduate Instructor (2009–2014), Adjunct Faculty (2014–present)   *2009–Present*
Independently designed two University courses, Statistical Principles and The Psychology of Human Sexuality, and taught these classes during and after graduate training in psychology.

Center on Alcoholism, Substance Abuse, and Addictions at UNM   **Albuquerque, NM**
Research Assistant   *2010–2011*
Performed data analysis for a longitudinal study of twelve-step group members. Used multilevel linear modeling techniques, developed SPSS scripts to clean data and produce visualizations, and published findings.

Pathways to Desistance Project at Arizona State University   **Tempe, AZ**
Data Manager   *2002–2003*
Accessed judicial system databases to recruit and track participants in a study of juvenile offenders, contacted participants for follow-up interviews, and tracked interviewer time use.

Notable Research Projects

- **Dissertation Project:** *"Sensorimotor Synchronization and Individual Differences in Intelligence: A Chronometric Perspective on Music Evolution."* My studies tested predictions from a biological signaling hypothesis of the evolution of musical synchronization abilities in humans. For this project, I developed software for data acquisition in C# and C (Arduino), conducted psychometric interviews of 107 subjects to test cognitive ability, took 1.1 million timing measurements, and used Python, SPSS, and R to prepare and model the resulting data. Timing data and early portions of processing code are published on Github.
- **Publication:** Jenkins & Tonigan (2011). Attachment avoidance and anxiety as predictors of 12-step group engagement (*J. Studies Alc. Drugs*). 6 cites; used multilevel modeling of change over 2 years.
- **Presentations**: Two talks and two posters presented to the Human Behavior and Evolution Society conference, covering motor timing, sexual selection, behavior genetics, and teaching methods.

References

- Geoffrey Miller (author of *Spent* and *The Mating Mind*, marketing consultant, professor of evolutionary psychology at U. New Mexico): gfmiller@unm.edu. Other contact information available on request.