

Simon T. Tonev

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Education

Ph.D., Cognitive Psychology

Duke University (05/2002)

M.A., Cognitive Psychology

Duke University (09/2000)

B.S., Psychology

University of Toronto (06/1997)

Professional Experience

Office of Institutional Research

Lafayette College

Director, 07/2016 – Present

Associate Director, 07/2013 – 06/2016

Assistant Director, 06/2007 – 06/2013

Duties involve providing analytic support for all constituents of the College, IPEDS reporting, Common Dataset completion, providing expertise on data collection, standardization, and reporting.

Specific examples of analytic support include annual predictive modeling of enrollment trends for the Vice President for Enrollment Management, examining distribution of faculty resources and faculty compensation for the Provost and Dean of the Faculty, establishing comparative metrics for the analysis of administrator salaries for the Vice President of Human Resources, and analyzing trends in guidebook rankings for the College President.

Centralized reporting of IPEDS and CDS data such that individual offices no longer contribute information, rather, Institutional Research independently produces the information and individual offices are consulted to confirm its validity.

Completely revamped tracking of faculty data by determining internal and external informational needs, identifying current and future repositories of this information, establishing protocols for data coding and entry, and writing code to extract this information quickly and in a useful format.

Service activities include having served on the College Budget Planning Committee, the President's Socioeconomic Diversity Task Force, the Student Retention Committee, Data Standards Committee, the Advisory Committee on Assessment, the Administrative Steering Committee, and several search committees.

Representative Presentations

Tonev, S.T. (2019, November). *Information Animation: Make Figures Come Alive in SAS*. Paper presented at the 46th annual meeting of the North East Association for Institutional Research, Newport, RI.

Tonev, S.T. & Schaffer, J.P. (2018, November). *Lafayette College's Supplemental CDS*. Poster presented at the 45th annual meeting of the North East Association for Institutional Research, Pittsburgh, PA.

Duke Clinical Research Institute

Duke University School of Medicine

Statistician, 10/2005 – 05/2007

Performed statistical programming and analysis on large randomized clinical trials focusing on treatment of psychiatric disorders (TADS: Treatment for Adolescents with Depression Study, CAPTN: Child & Adolescent Psychiatry Trials Network). Analytic techniques included mixed models (e.g., random coefficients regression), general linear models, and logistic regression. Consulted directly with investigators in the development of Statistical Analysis Plans and Case Report Forms.

Professional Experience (cont'd)

Representative Publications

Mahaffey, K.W., **Tonev, S.T.**, Spinler, S.A., Levine, G.N., Gallo, R., Ducas, J., Goodman, S.G., Antman, E.M., Becker, R.C., Langer, A., White, H.D., Aylward, P.E., Col, J.J., Ferguson, J.J., & Califf, R.M. (2010). Obesity in patients with non-ST-segment elevation acute coronary syndromes: Results from the SYNERGY trial. *International Journal of Cardiology*, 139(2), 123-133.

Kennard, B.D., Silva, S.G., **Tonev, S.T.**, Rohde, P., Hughes, J.L., Vitiello, B., Kratochvil, C.J., Curry, J., Emslie, G.J., Reinecke, M., & March, J. (2009). Remission and recovery in the Treatment for Adolescents with Depression Study (TADS): Acute and long-term outcomes. *Journal of the American Academy of Child and Adolescent Psychiatry*, 48(2), 186-195.

Duke ADHD Clinic

Duke University Medical Center

Project Coordinator/Researcher, 06/2002 – 09/2005

Served as coordinator and researcher on a multi-site project examining neurofunctional and neuroanatomical deficits in parents and children with Attention-Deficit/Hyperactivity Disorder (ADHD). Research duties included testing both clinical and control subjects, participating in analytical decision-making, data management, application development, and statistical analysis. Management duties included designing and distributing subject recruitment and analytical protocols, conducting site visits to ensure that protocols were followed correctly, facilitating communication among investigators at all sites, directly supervising research assistants, and actively ensuring compliance with Institutional Review Boards and Clinical Trials Quality Assurance.

Representative Publications

Casey, B.J., Epstein, J.N., Buhle, J., Liston, C., Davidson, M.C., **Tonev, S.T.**, Spicer, J., Niogi, S., Millner, A.J., Reiss, A., Garrett, A., Hinshaw, S.P., Greenhill, L.L., Shafritz, K.M., Vitolo, A., Kotler, L.A., Jarrett, M.A., & Glover, G. (2007). Frontostriatal connectivity and its role in cognitive control in parent-child dyads with ADHD. *American Journal of Psychiatry*, 164(A42), 1729-1736.

Hervey, A.S., Epstein, J.N., Curry, J.F., **Tonev, S.T.**, Arnold, L.E., Conners, C.K., Hinshaw, S.P., Swanson, J.M., & Hechtman, L. (2006). Reaction time distribution analysis of neuropsychological performance in an ADHD sample. *Child Neuropsychology*, 12(2), 125-140.

Trinity College Office of Assessment

Duke University

Statistical Programmer, 02/2001 – 05/2002

Served as statistical programmer/consultant for the Director of Assessment and graduate student assistants. Primary duties included analysis and reporting of student evaluations as well as development of applications designed to guide undergraduate assistants in database creation and report generation. Also involved in refinement of student evaluation materials through various analytic techniques (e.g., principal components analysis).

Professional Experience (cont'd)

Department of Psychological and Brain Sciences Duke University

Research Associate, 01/1999 – 05/2002
Instructional Assistant, 01/1998 – 05/2002
Instructor, 05/2001 – 06/2001

As a doctoral candidate Research Associate, I initiated, designed, and programmed a series of experiments to examine the cognitive processes involved in forgetting and ignoring. Duties included doing independent literature reviews, testing both younger and older adults, supervising research assistants, managing data, statistical analysis, and composing final products for formal presentations and publications.

Representative Publications

Lustig, C., Hasher, L., & **Tonev, S.T.** (2006). Distraction as a determinant of processing speed. *Psychonomic Bulletin & Review*, 13(4), 619-625.

Hasher, L., **Tonev, S.T.**, Lustig, C., & Zacks R.T. (2001). Inhibitory control, environmental support, and self-initiated processing in aging. In M. Naveh-Benjamin, M. Moscovitch, and H. L. Roediger, III (Eds.), *Perspectives on human memory and cognitive aging: Essays in honour of Fergus Craik* (pp. 286-297). Philadelphia, PA: Psychology Press.

As an Instructional Assistant, I assisted university faculty by providing undergraduate students with additional instruction in classroom and individual settings, created assessment materials, and graded exams. Courses included: Introduction to Cognitive Psychology (2 Semesters), Research Methods (2 Semesters), and Great Ideas in Psychology.

I also taught Research Design and Analysis to undergraduate students as the instructor of record, taking full responsibility for course work, lectures, and grading. Topics included making observations, developing theories, considering research ethics, choosing variables to manipulate, selecting appropriate dependent measures, deciding on specific experimental and non-experimental designs, performing statistical analyses, and effectively communicating results to others.

Technological Expertise

SAS

Used on a daily basis for more than 20 years to manipulate and manage datasets and perform statistical analyses. Have acquired expert knowledge of data manipulation via the data step (including arrays) and the macro language. Currently use PROC SQL to directly access Oracle database tables behind Banner Enterprise Management software. Frequently-used statistical procedures vary widely from PROC MEANS and FREQ to GLM, REG, and LOGISTIC. Additional procedures learned as they become necessary. SAS Interactive Matrix Language (IML) used to leverage R programming language within SAS to produce advanced visualizations.

Ellucian Banner

More than 15 years' experience with Student, Advancement, Finance, Human Resources, and Financial Aid modules (to varying degrees). Navigation of all modules is used to determine tables that underlie the forms so they can be accessed via SAS (see above). Data entry experience has been restricted to Student and HR modules for tracking various aspects of faculty information.

Publications & Presentations

- Tonev, S.T.** (2019, November). *Information Animation: Make Figures Come Alive in SAS*. Paper presented at the 46th annual meeting of the North East Association for Institutional Research, Newport, RI.
- Tonev, S.T.** & Schaffer, J.P. (2018, November). *Lafayette College's Supplemental CDS*. Poster presented at the 45th annual meeting of the North East Association for Institutional Research, Pittsburgh, PA.
- Tonev, S.T.** & Schaffer, J.P. (2017, November). *Lafayette College's Faculty Taxonomy*. Poster presented at the 44th annual meeting of the North East Association for Institutional Research, Jersey City, NJ.
- Mahaffey, K.W., **Tonev, S.T.**, Spinler, S.A., Levine, G.N., Gallo, R., Ducas, J., Goodman, S.G., Antman, E.M., Becker, R.C., Langer, A., White, H.D., Aylward, P.E., Col, J.J., Ferguson, J.J., & Califf, R.M. (2010). Obesity in patients with non-ST-segment elevation acute coronary syndromes: Results from the SYNERGY trial. *International Journal of Cardiology*, 139(2), 123-133.
- Ginsburg, G.S., Silva, S.G., Jacobs, R.H., **Tonev, S.T.**, Hoyle, R.H., Kingery, J.N., Reinecke, M.A., Curry, J.F., & March, J.S. (2009). Cognitive measures of adolescent depression: Unique or unitary constructs? *Journal of Clinical Child and Adolescent Psychology*, 38(6), 790-802.
- Kennard, B.D., Silva, S.G., **Tonev, S.T.**, Rohde, P., Hughes, J.L., Vitiello, B., Kratochvil, C.J., Curry, J., Emslie, G.J., Reinecke, M., & March, J. (2009). Remission and recovery in the Treatment for Adolescents with Depression Study (TADS): Acute and long-term outcomes. *Journal of the American Academy of Child and Adolescent Psychiatry*, 48(2), 186-195.
- Becker, S.J., Sanchez, C.C., Curry, J.F., Silva, S., & **Tonev, S.T.** (2008). Cognitive-behavioral therapy for adolescent depression: Processes of cognitive change. *Psychiatric Times*, 25(14), 46-48.
- Garrett, A., Penniman, L., Epstein, J.N., Casey, B.J., Hinshaw, S.P., Glover, G., **Tonev, S.T.**, Vitolo, A., Davidson, M.C., Spicer, J., Greenhill, L.L., & Reiss, A. (2008). Neuroanatomical abnormalities in adolescents with attention-deficit hyperactivity disorder. *Journal of the American Academy of Child and Adolescent Psychiatry*, 47(11), 1321-1328.
- Jacobs, R.H., Klein, J.B., Reinecke, M.A., Silva, S.G., **Tonev, S.T.**, Breland-Noble, A., Martinovich, Z., Kratochvil, C.J., Rezac, A.J., Jones, J., & March, J.S. (2008). Ethnic differences in attributions and treatment expectancies for adolescent depression. *International Journal of Cognitive Therapy*, 1(2), 163-178.
- Rohde, P., Silva, S.G., **Tonev, S.T.**, Kennard, B.D., Vitiello, B., Kratochvil, C.J., Reinecke, M.A., Curry, J.F., Simons, A.D., & March, J. (2008). Achievement and maintenance of sustained improvement during TADS continuation and maintenance therapy. *Archives of General Psychiatry*, 65(4), 447-455.
- Casey, B.J., Epstein, J.N., Buhle, J., Liston, C., Davidson, M.C., **Tonev, S.T.**, Spicer, J., Niogi, S., Millner, A.J., Reiss, A., Garrett, A., Hinshaw, S.P., Greenhill, L.L., Shafritz, K.M., Vitolo, A., Kotler, L.A., Jarrett, M.A., & Glover, G. (2007). Frontostriatal connectivity and its role in cognitive control in parent-child dyads with ADHD. *American Journal of Psychiatry*, 164(A42), 1729-1736.
- Epstein, J.N., Casey, B.J., **Tonev, S.T.**, Davidson, M., Reiss, A.L., Garrett, A., Hinshaw, S.P., Greenhill, L.L., Glover, G., Shafritz, K.M., Vitolo, A., Kotler, L.A., Jarrett, M.A., & Spicer, J. (2007). ADHD- and medication-related brain activation effects in concordantly affected parent-child dyads with ADHD. *Journal of Child Psychology and Psychiatry*, 48(9), 899-913.
- Epstein, J.N., Casey, B.J., **Tonev, S.T.**, Davidson, M., Reiss, A.L., Garrett, A., Hinshaw, S.P., Greenhill, L.L., Vitolo, A., Kotler, L.A., Jarrett, M.A., & Spicer, J. (2007). Assessment and prevention of head motion during imaging of patients with attention deficit hyperactivity disorder. *Psychiatry Research: Neuroimaging*, 155(1), 75-82.
- Lustig, C., Hasher, L., & **Tonev, S.T.** (2006). Distraction as a determinant of processing speed. *Psychonomic Bulletin & Review*, 13(4), 619-625.

Publications & Presentations (cont'd)

- Hervey, A.S., Epstein, J.N., Curry, J.F., **Tonev, S.T.**, Arnold, L.E., Conners, C.K., Hinshaw, S.P., Swanson, J.M., & Hechtman, L. (2006). Reaction time distribution analysis of neuropsychological performance in an ADHD sample. *Child Neuropsychology*, 12(2), 125-140.
- Epstein, J.N., Conners, C.K., Hervey, A.S., **Tonev, S.T.**, Arnold, L.E., Abikoff, H.B., Elliott, G., Greenhill, L.L., Hechtman, L., Hoagwood, K., Hinshaw, S.P., Hoza, B., Jensen, P.S., Kraemer, H.C., March, J.S., Newcorn, J.H., Pelham, W.E., Severe, J.B., Swanson, J.M., Wells, K., Vitiello, B., & Wigal, T. (2006). Assessing medication effects in the MTA Study using neuropsychological outcomes. *Journal of Child Psychology and Psychiatry*, 47(5), 446-456.
- Epstein, J.N., Willoughby, M., Valencia, E.Y., **Tonev, S.T.**, Abikoff, H.B., Arnold, L.E., Hinshaw, S.P. (2005). The role of children's ethnicity in the relationship between teacher ratings of ADHD and observed classroom behavior. *Journal of Consulting and Clinical Psychology*, 73(3), 424-434.
- Hasher, L., **Tonev, S.T.**, Lustig, C., & Zacks R.T. (2001). Inhibitory control, environmental support, and self-initiated processing in aging. In M. Naveh-Benjamin, M. Moscovitch, and H. L. Roediger, III (Eds.), *Perspectives on human memory and cognitive aging: Essays in honour of Fergus Craik* (pp. 286-297). Philadelphia, PA: Psychology Press.
- Lustig, C., Hasher, L., & **Tonev, S.T.** (2001). Inhibitory control over the present and the past. *European Journal of Cognitive Psychology*, 13(1/2), 107-122.
- Naveh-Benjamin, M., Craik, F.I.M., Perretta, J.G., & **Tonev, S.T.** (2000). The effects of divided attention on encoding and retrieval processes: The resiliency of retrieval processes. *Quarterly Journal of Experimental Psychology*, 53A(3), 609-625.