



JEAN-PAUL SNIJDER, PH.D.

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EDUCATION

Claremont Graduate University

2015 - 2021

Ph.D. in Cognitive Psychology

2021

Advisor: Professor Andrew R.A. Conway

Dissertation: A Hierarchical Bayesian Approach to Estimating Individual Differences

Reliability in Classic Cognitive Control Tasks. *as publication:*  PDF

Arthur H. Brayfield Most Outstanding Dissertation Award 2021

M.A. in Cognitive Psychology

2018

Thesis: The Effect of Working Memory Training on Cognitive Control
and Reading Comprehension Preprint: thesiscommons.org/u48pq 

Azusa Pacific University

2010 - 2014

B.A. in Psychological Science

Cum Laude

ACADEMIC POSITIONS

Postdoctoral Research Associate

January 2021 - July 2025

University of Heidelberg

Heidelberg, Germany

Experimental Psychology and Cognitive Self-Regulation Lab

Lab Manager (Conway CALIBER Lab)

June 2016 - June 2020

Responsible for day to day operations & maintenance (assisted in lab start-up)

Claremont, USA

Post-Baccalaureate Research Position

September 2014 - May 2015

Research Assistant

Azusa, USA

Project 1: Dr. Marsh - Bilingualism and priming research

Data collection and analysis, conference presentation

Project 2: Dr. Yu - Advanced statistical method exploration of global education & well-being data

Data collection and analysis, conference presentation, manuscript preparation

PUBLICATIONS

Snijder, J-P., Pratz, V., & Schubert, A.-L. (manuscript in prep.). How to Model Intensive Longitudinal Data with Dynamic Structural Equation Models: A Stan Tutorial on DSEM.

Snijder, J-P., Steindorf, L., & Rummel, J. (manuscript in prep.). A Further Exploration of the Relationship between Executive Functions and Mindwandering.

Hao, H., Conway, A.R.A., Kovács, K., & **Snijder, J-P.** (2023, July 17). Simulating the Process Overlap Theory of Intelligence: A Unified Framework Bridging Psychometric and Cognitive Perspectives. <http://dx.doi.org/10.2139/ssrn.4512895> (Preprint)

 PDF

Kloft, M., **Snijder, J-P.**, & Heck, D. W. (2023, June 29). Measuring the Variability of Personality Traits With Interval Responses: Psychometric Properties of the Dual-Range Slider Response Format. <https://doi.org/10.31234/osf.io/pa4m3> (Preprint)

 **PDF**

Snijder, J-P., Tang, R., Bugg, J.M., Conway, A. R. A., & Braver, T.S. (2023). On the Psychometric Evaluation of Cognitive Control Tasks: An Investigation with the Dual Mechanisms of Cognitive Control (DMCC) Battery. <https://doi.org/10.3758/s13428-023-02111-7>.

 **PDF**

Rummel, J., **Snijder, J-P.**, & Kvavilashvili, L. (2022). Prospective memories in the wild: Predicting memory for intentions in natural environments. <https://doi.org/10.3758/s13421-022-01379-y>.

 **PDF**


Tang, R., Bugg, J.M., **Snijder, J-P.**, Conway, A. R. A., & Braver, T.S. (2022). The Dual Mechanisms of Cognitive Control (DMCC) project: Validation of an on-line behavioral task battery. <https://doi.org/10.1177/17470218221114769>.

 **PDF**

Rosales, K., **Snijder, J-P.**, Conway, A. R. A., & Gonthier, C. (2021). Working Memory Capacity and Dual Mechanisms of Cognitive Control: An Experimental-Correlational Approach. *Quarterly Journal of Experimental Psychology*. <https://doi.org/10.1177/17470218211066410>.

 **PDF**

Conway, A. R. A., Kovacs, K., Hao, H., Rosales, K. P., & **Snijder, J-P.** (2021). Individual Differences in Attention and Intelligence: A United Cognitive/Psychometric Approach. *Journal of Intelligence*, 9(3), 34. <https://doi.org/10.3390/jintelligence9030034>.

 **PDF**

Conway, A. R. A., Kovacs, K., Hao, H., & **Snijder, J-P.** (2019). General Intelligence Explained (Away). *Manuscript under review*.

Snijder, J-P. (2018). The Effect of Working Memory Training on Cognitive Control and Reading Comprehension. Retrieved from thesiscommons.org/u48pq.

Yu, C.H., Reimer, D., Lee, A., **Snijder, J-P.**, & Lee, H.S. (2017). A triangulated and exploratory study of the relationships between secularization, religiosity, and social wellbeing. *Social Indicators Research*, 131(3), 1103-1119.

TEACHING EXPERIENCE

Lecturer - Heidelberg University

2021-2024

Seminar: Psychometrics of Cognitive Control; R Project

Heidelberg, Germany

Seminar: Cognitive Control in the Real World

Seminar: Experimental Psychology Practicum

Lecturer - California State University, Los Angeles

2019

Course: Abnormal Psychology

Los Angeles, USA

Teaching Assistant - Claremont Graduate University

2018

Course: Thinking and Reasoning

Claremont, USA

SCHOLARSHIPS AND AWARDS

Dissertation Award

Arthur H. Brayfield Most Outstanding Dissertation Award

2021

Scholarship Award

Azusa Pacific University

2012 - 2014

INVITED TALKS

Presentations can be found in this repository: [🔗/presentations](#)

Colloquium at Ulm University

2022

Individual Differences in Cognitive Control:

From a General Introduction to Hierarchical Bayesian Models

Ulm, Germany

Colloquium at Mannheim University

2023

Modeling Intensive Longitudinal Behavioral Data

with Dynamic Structural Equation Models

Mannheim, Germany

Invited talk at Eötvös Loránd University

2023

Modeling Intensive Longitudinal Behavioral Data

with Dynamic Structural Equation Models

Budapest, Hungary

CONFERENCE PRESENTATIONS

Presentations can be found in this repository: [🔗/conference-materials](#)

Hierarchical Bayesian Dynamic Structural Equation Models:

2023

A Tutorial in Stan.

Konstanz, Germany

DGPs: FGME

Psychometric Properties of the Dual-Range Slider Response Format.

2023

International Meeting of the Psychometric Society.

College Park, USA

An Introduction To Dynamic Structural Equation Models Using Stan:

2023

A Practical Guide For Cognitive Researchers.

Porto, Portugal

Meeting of the European Society for Cognitive Psychology

An Examination of Hierarchical Bayesian Dynamic Structural Equation Models in Stan.

2023

Amsterdam, The Netherlands

MathPsych/ICCM/EMPG

Abstract published at mathpsych.org/presentation/1064.

CONFERENCE POSTERS

PDFs of posters can be found in this repository: [📄/conference-materials](#)

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| A Hierarchical Bayesian Approach to the Reliability and Validity of Cognitive Control. | 2021
Online |
| Annual meeting of the Psychonomic Society (Psychonomics) | |
| The Generality of Working Memory and Reasoning: Rethinking the Relationship. | 2021
Online |
| Annual meeting of the Psychonomic Society (Psychonomics) | |
| Rethinking the Relationship of Working Memory and Intelligence: A Perspective Based on Process Overlap Theory. | 2021
Online |
| International Society for Intelligence Research Annual Conference | |
| General Intelligence Explained (Away). | 2018
San Francisco, USA |
| Annual meeting of the Psychonomic Society (Psychonomics) | |
| The Relationship between Reading Comprehension, Vocabulary, and Attention Control: An Individual Differences Study. | 2018
San Francisco, USA |
| Association for Psychological Science (APS) Annual Conference | |
| Priming Cultural Representations Facilitates Processing of the Associated Language. | 2015
Las Vegas, USA |
| Western Psychological Association Conference | |
| Priming bicultural bilingual Latino-Americans as Latino or American modulates access to the Spanish and English meaning of interlingual homographs. | 2015
New York, USA |
| Association for Psychological Science (APS) Annual Conference | |
| Examining the Relationships among Secularization, Religiosity, and Subjective-objective Wellbeing. | 2015
Las Vegas, USA |
| Western Psychological Association Conference | |

WORKSHOPS

Computational and Mathematical Modeling of Cognition Summer School

2022

Sixth European Edition. Advisors: Oberauer, Donkin, Nunez, and Vandekerckhove

Poland

Project: All Encompassing Model of Cognitive Control Validity

Hosted by: Oberauer & Lewandowsky

Attentional Control Hackathon

2018

Does an attentional control construct exist and, if so, how can we reliably measure it? Psychonomics

Hosted by: von Bastian & Kane

Psychonomic Society

STATISTICS, SOFTWARE, AND CODING

Statistical Procedures	Latent Variable Modeling, Structural Equation Modeling, Cognitive Modeling, Factor Analysis, Item Response Theory, Multi-Level Modeling/Hierarchical Linear and Non-Linear Modeling, Bayesian Analyses, & Cognitive Measure Psychometrics
Statistical software	R, Stan, JASP, Mplus, and when needed SPSS
Other software	Inquisit Millisecond (Beginner), E-Prime (Intermediate), PsychoPy (Beginner)
Other skills	Web development, L ^A T _E X Visual Editing: Adobe Suite (e.g., Photoshop, Lightroom, Premiere) Audio Recording and Editing: Ableton Live
Languages	Fluent: English, Dutch Conversational: German

SOFTWARE DEVELOPMENT

NameUnknown: r wrapper package for Dynamic Structural Equation Models in Stan *in progress*

whistleR: r functions for the pre-processing of cognitive behavioral data *in progress*

REVIEWING

Acta Psychologica

Behavior Research Methods (BRM)

Journal of Open Source Software (JOSS)

Psychonomic Bulletin & Review (PBR)

Quarterly Journal of Experimental Psychology (QJEP)

Full list and verification on web of science:

<https://www.webofscience.com/wos/author/record/ITU-8431-2023>

PROFESSIONAL AFFILIATIONS

Association for Psychological Science (APS)

DGPs - Deutsche Gesellschaft für Psychologie

Psychometric Society

Psychonomic Society

Society for Mathematical Psychology

Society for the Improvement of Psychological Science (SIPS)

The European Society for Cognitive Psychology (ESCoP)

REFERENCES

Andrew Conway, Ph.D.

Department Head and Professor

New Mexico State University

aconway@nmsu.edu

Gabriel Cook, Ph.D.

Professor

Claremont McKenna University

gabriel.cook@claremontmckenna.edu

More references available upon request