### curriculum vitae

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### Research interests

How to model and improve people's judgment and decision making—with a special emphasis on how to create the wisdom of crowds within one mind (i.e., *dialectical bootstrapping*; Herzog & Hertwig, 2009, 2014a, 2014b).

*Broader interests*: judgment and decision making, bounded rationality and heuristics, social decision making and the wisdom of crowds, medical decision making, risk communication, cognitive science, decision aiding, Bayesian statistics, machine learning

# Selected publications

**Herzog**, S. M., & Hertwig, R. (2014a). Harnessing the wisdom of the inner crowd. *Trends in Cognitive Sciences*, 18, 504–506. doi:10.1016/j.tics.2014.06.009

**Herzog**, S. M., & Hertwig, R. (2014b). Think twice and then: Combining or choosing in dialectical bootstrapping? *Journal of Experimental Psychology: Learning, Memory, and Cognition, 40*, 218–232. doi: 10.1037/a0034054

**Herzog**, S. M., & Hertwig, R. (2013). The crowd within and the benefits of dialectical bootstrapping: A reply to White and Antonakis (2013). *Psychological Science*, 24, 117–119. doi:10.1177/0956797612457399

**Herzog**, S. M., & Hertwig, R. (2009). The wisdom of many in one mind: Improving individual judgments with dialectical bootstrapping. *Psychological Science*, *20*, 231–237. doi:10.1111/j.1467-9280.2009.02271.x

### Education

Ph. D., Dr. phil. (summa cum laude/with highest praise), dissertation: "The power of fluency and aggregation: Two case studies in the cognitive science of human judgment", Department of Psychology, University of Basel, 2005–2009

Master of Science in Psychology (summa cum laude/with highest praise); major in social psychology, consumer and organizational behavior, Department of Psychology, University of Basel, Switzerland, 2003–2005

Subsidiary degree in managerial economics, studies in computer sciences, Wirtschaftswissenschaftliches Zentrum (WWZ), University of Basel, Switzerland, 2001–2005

Bachelor of Science in Psychology (magna cum laude/with great praise), Department of Psychology, University of Basel, Switzerland, 2000–2003

Managerial economics and computer sciences, Wirtschaftswissenschaftliches Zentrum (WWZ), University of Basel, Switzerland, 1999–2000

### Academic experience and positions

Researcher, Center for Adaptive Rationality (ARC), Max Planck Institute for Human Development, Berlin, 2012-

Researcher, Cognitive and Decision Sciences, Department of Psychology, University of Basel, 2009–2012

Guest researcher, Fugua School of Business, Duke University, US, 06/2009

Graduate student, Cognitive and Decision Sciences, Department of Psychology, University of Basel, Switzerland, 2005–2009

Research assistant, Social and Economic Psychology, Department of Psychology, University of Basel, Switzerland, 2001–2005

Research internship, Prof. Dr. Klaus Fiedler, Institute of Psychology, Department of Social Psychology, University of Heidelberg, Heidelberg, Germany, summer 2003

Statistics tutor, Department of Psychology, University of Basel, Switzerland, 2001–2002

### Grants, awards and media mentions

Hillel Einhorn New Investigator Award 2010 for the paper Herzog & Hertwig (2009), Society for Judgment and Decision Making; see http://www.sjdm.org/history.html

"Dialectical bootstrapping: A new paradigm to Improve individual judgment", Swiss National Foundation project (100014\_129572), 2011-2017, CHF 270'925, Department of Psychology, University of Basel, and Center for Adaptive Rationality, Max Planck Institute for Human Development, Berlin (http://p3.snf.ch/Project-129572)

Steven Karger Department of Psychology Award 2009 for dissertation ("The power of fluency and aggregation: Two case studies in the cognitive science of human judgment", Herzog, 2008), CHF 5'000, Department of Psychology, University of Basel.

"The Wisdom of Crowds" within and across people. Travelling grant, 2009: Swiss National Foundation ("International short research visits"). CHF 3'200.

Psychological Science article (Herzog & Hertwig, 2009) mentioned in

- Science magazine's "Editor's choice: Highlights of the recent literature": "Psychology: Seeking a second opinion", Science, 323, 1267. http://dx.doi.org/10.1126/science.323.5919.1267b
- "You know more than you think: How to tap the wisdom of the crowd in your head". Scientific American: Mind Matters. http://www.scientificamerican.com/article.cfm?id=you-know-more-than-you-think

1st place in The Technion Prediction Tournament

Condition E-sampling: Erev et al., 2008 (http://tx.technion.ac.il/~erev/Comp/Comp.html)

2<sup>nd</sup> place in the *Poster Awards 2006 of the Summer Institute on Bounded Rationality in Psychology and Economics*, 2006 in Berlin (chairs: Gerd Gigerenzer & Werner Güth)

Traveling grant for Summer Institute on Bounded Rationality in Psychology and Economics, 2006 in Berlin (chairs: Gerd Gigerenzer & Werner Güth)

### **Publications**

- Analytis, P. P., Barkoczi, D., & **Herzog**, S. M. (2015). You're special, but it doesn't matter if you're a greenhorn: Social recommender strategies for mere mortals. In R. Dale, C. Jennings, P. Maglio, T. Matlock, D. Noelle, A. Warlaumont, & J. Yoshimi. (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society* (pp. 1799–1804). Austin, TX: Cognitive Science Society.
- **Herzog**, S. M., & Hertwig, R. (2014a). Harnessing the wisdom of the inner crowd. *Trends in Cognitive Sciences*, 18, 504–506. doi:10.1016/j.tics.2014.06.009
- Frey, R., Hertwig, R., & **Herzog**, S. M. (2014). Surrogate decision making: Do we have to trade off accuracy and procedural satisfaction? *Medical Decision Making*, *34*, 258–269. doi:10.1177/0272989X12471729
- **Herzog**, S. M., & Hertwig, R. (2014b). Think twice and then: Combining or choosing in dialectical bootstrapping? *Journal of Experimental Psychology: Learning, Memory, and Cognition, 40*, 218–232. doi: 10.1037/a0034054
- von Helversen, B., **Herzog**, S. M., & Rieskamp, J. (2014). Haunted by a Doppelgänger: Irrelevant facial similarity affects rule-based judgments. *Experimental Psychology, 61*, 12–22. doi:10.1027/1618-3169/a000221
- **Herzog**, S. M., & Hertwig, R. (2013). The crowd within and the benefits of dialectical bootstrapping: A reply to White and Antonakis (2013). *Psychological Science*, 24, 117–119. doi:10.1177/0956797612457399
- **Herzog**, S. M., & Hertwig, R. (2013). The ecological validity of fluency. In C. Unkelbach & R. Greifeneder (Eds.), *The experience of thinking: How feelings from mental processes influences cognition and behavior* (pp. 190–219). London: Psychology Press.
- **Herzog**, S. M., & Ostwald, D. (2013). Sometimes Bayesian statistics are better [correspondence]. *Nature, 494*, 35. doi:10.1038/494035b
- **Herzog**, S. M., & von Helversen, B. (2013). Blending and choosing within one mind: Should judgments be based on exemplars, rules or both? In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.) *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 2536-2541). Austin, TX: Cognitive Science Society. http://mindmodeling.org/cogsci2013/papers/0459/paper0459.pdf
- Schooler, L. J., Hertwig, R., & **Herzog**, S. M. (2012). How smart forgetting helps heuristic inference. In P. M. Todd, Gigerenzer, G. & the ABC Research Group, *Ecological rationality: Intelligence in the world* (pp. 144–166). New York: Oxford University Press.
- **Herzog**, S. M., & Hertwig, R. (2011). The wisdom of ignorant crowds: Predicting sport outcomes by mere recognition. *Judgment and Decision Making*, 6, 58–72.
- Erev, I., Ert, E., Roth, A. E., Haruvy, E., **Herzog**, S. M., Hau, R., Hertwig, R., Stewart, T., West, R., Lebiere, C. (2010). A choice prediction competition, for choices from experience and from description. *Journal of Behavioral Decision Making*, *23*, 15–47. doi:10.1037/a0013025
- Hertwig, R., & **Herzog**, S. M. (2009). Fast and frugal heuristics: Tools of social rationality. *Social Cognition*, *27*, 661–698. doi:10.1521/soco.2009.27.5.661
- **Herzog**, S. M., & Hertwig, R. (2009). The wisdom of many in one mind: Improving individual judgments with dialectical bootstrapping. *Psychological Science*, *20*, 231–237. doi:10.1111/j.1467-9280.2009.02271.x
- Hertwig, R., **Herzog**, S. M., Schooler, L. J., & Reimer, T. (2008). Fluency heuristic: A model of how the mind exploits a by-product of information retrieval. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 34, 1191–1206. doi:10.1037/a0013025
- Reprinted in: Gigerenzer, G., Hertwig, R., & Pachur, T. (Eds.). (2011). *Heuristics: The foundations of adaptive behavior* (pp. 540-560). New York: Oxford University Press.
- **Herzog**, S. M., Hansen, J., & Wänke, M. (2007). Temporal distance and ease of retrieval. *Journal of Experimental Social Psychology*, 43, 483–488. doi:10.1016/j.jesp.2006.05.008

# Organized workshops, symposia and conferences

Workshop *Prediction contest: How well can you predict what you don't yet know?* to be held at Summer Institute on Bounded Rationality 2015: Homo Heuristicus in the Economy, June 4<sup>th</sup>–11<sup>th</sup> 2015, Max-Planck-Institute for Human Development, Berlin.

Workshop *Introduction to statistical analyses using R—Tips & tricks*. October 29<sup>th</sup> & November 12<sup>th</sup> 2014, Max-Planck-Institute for Human Development, Berlin.

Workshop *Expertise, popularity, and the wisdom of crowds* (with Mehdi Moussaïd). Summer Institute on Bounded Rationality: Simple solutions for a complex world, June 10<sup>th</sup>-17<sup>th</sup> 2014, Max-Planck-Institute for Human Development, Berlin.

Workshop *Data analysis beyond p-values: A practical introduction to Bayesian statistics*. International Max Planck Research School LIFE, June 3<sup>rd</sup> 2014, Max-Planck-Institute for Human Development, Berlin.

Workshop *Psychologists are open to change and should adopt Bayesian statistics* (with Mirjam Jenny). 6th JDM Workshop for Young Researchers, July 17<sup>th</sup>-19<sup>th</sup> 2013, Max-Planck-Institute for Human Development, Berlin.

Workshop *Data analysis beyond p-values*. Summer Institute on Bounded Rationality: Decision making in a social world, June 17<sup>th</sup>-25<sup>th</sup> 2013, Max-Planck-Institute for Human Development, Berlin.

Workshop scientific writing (with Bettina von Helversen). 4<sup>th</sup> Workshop for Judgment and Decision making, Max Planck Institute for Research on Collective Goods, Bonn, Germany (August 2011).

Co-organizer 3<sup>rd</sup> Workshop for Judgment and Decision making, University of Basel, Switzerland (September 2010).

Co-organizer symposium: Herzog, S. M., & Lee, L. (2009). *Are crowds always wiser?* Symposium at the 30<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Boston, Massachusetts, USA.

Workshop robust statistics. 2<sup>nd</sup> Workshop for Judgment and Decision making, University of Mannheim, Germany, July 2009.

Co-organizer symposium: Herzog, S. M., & Hilbig, B. (2009). *Simple prediction strategies: Recognition and "The Wisdom of Crowds"*. Symposium at the 51<sup>st</sup> Tagung experimentall arbeitender Psychologen [Conference of Experimental Psychologists], Jena, Germany.

Workshop robust statistics, with Robin Hau. University of Basel, Switzerland, September 2008.

Co-organizer European Social Cognition Network Transfer of Knowledge Conference 2005, Vitznau, Switzerland.

Workshop introduction to web technologies: HTML, PHP & mySQL (workshop, University of Basel, Basel, Switzerland, 2005).

# Continuing education

#### Statistical training

- Data Science specialization, Johns Hopkins University on Coursera
  - Reproducible Research. Certificate earned on August 2nd, 2015
  - Exploratory Data Analysis. Certificate earned on February 2nd, 2015
  - Getting and Cleaning Data. Certificate earned on December 28th, 2014
  - R Programming. Certificate earned on November 4th, 2014
  - The Data Scientist's Toolbox. Certificate earned on November 4th, 2014
- Machine learning, Stanford University on Coursera. Certificate earned on June 4th, 2014
- Bayesian modeling for cognitive science: A WinBUGS workshop, 2011, University of Amsterdam, Netherlands.
- Summer School in Computational and Mathematical Modeling of Cognition, European Society for Cognitive Psychology, Mallnitz, 2010, Austria.

#### Presentation skills

- Presenting at international scientific conferences. 3 day course (30h/1 ECTS) by TRESS&TRESS (www.tress-tress.com)

### Teaching

Training in teaching skills for higher education

Certificate in higher education [Sammelzertifikat Hochschuldidaktik] at the University of Basel (20.11.2011; 2010-2011; total of 66 hours):

- Introduction to higher education didactics [Einführungsmodul Hochschuldidaktik] (2010)
- How to grade [Fair prüfen] (2011)
- Planing, teaching and evaluating courses [Lehrveranstaltungen planen, durchführen und evaluieren] (2010)
- Running meetings and discussions [Diskussionsleitung in der Lehre] (2010)
- Problem-based learning [Problemorientiertes Lernen] (2010)
- Rhetoric [Rhetorische Kommunikation] (2010)
- Rethoric: Explication and narration [Explikation und Narration] (2011)

Graduate and undergraduate courses taught Department of Psychology, University of Basel, Switzerland

Improving judgment and decision making (master level theory seminar: 2014) Psychology of forecasting (master level theory seminar: 2007, 2009, 2010, 2011)

Applied forecasting (master level applied seminar: 2010, 2011, 2012)

Introduction to psychology, economics and neuroscience (master level theory seminar: 2005, 2006, 2007, 2008)

Negotiation (master level applied seminar: 2008)

Drawing inferences from memory (with Lael Schooler; master level theory seminar: 2006)

Decision analysis and decision technology (master level theory seminar: 2006)

Evolutionary psychology: Emotion, motivation and evolution (bachelor level lecture: 2011, 2012)

Managerial decision making (bachelor level seminar: 2007)

How to write a bachelor thesis (bachelor level seminar: 2010, 2011)

#### Supervising/mentoring

Ph.D. students: Aleksandra Litvinova, Nathaniel Phillips

Master theses: Alice Atanasiu, Basil Blum, Andrea Hajmer, Greta Kellermann, Isa de Maddelena, Zsofia Oroszlan, Yuliya Romanyuk, Ruxandra Teodoreanu

Master course theses: Gerlinde Amschl, Anaïs Arnoux, Raffaella Arcuri-Tortola, Carola Binder, Lorena Boss, Monica Caprio, Florence Ettlin, Dominic Fischer, Chantal Grüter, Kirsten Hardt, Christina Jans, Sarah Kupper, Andrea Rid, Yuliya Romanyuk, Sabrina Stefanelli, Elena Stolz, Milena Ulrich, Stephanie Zell

Bachelor theses: Béla Ackermann, David Allemann, Alice-Alexandra Atanasiu, Cécile Bucher, Emina Canic, Kim Casagrande, Romain Cottens, Loris Criscione, Sibylle Fluri, Marietta Jäggi, Carmen Kaiser, Miriam Kaufmann, Lea Kilchling, Nadia Kohler, Selina Langenegger, Claudia Lombris, Samir Meier, Yuliya Romanyuk, Oliver Schürmann, Alice Seiler, Ariane Senn, Tom Siebenaler, Petra Vonmoos, Sylvia Walukiewicz

Internships: Stephan Bedenk, Eleanor Brewer, Alexander zur Bonsen

### Professional service

#### Reviewing papers

Behavior Research Methods

Cognitive Psychology

**Decision Analysis** 

European Journal of Social Psychology

Experimental Psychology

Journal of Applied Research in Memory and Cognition

Journal of Behavioral Decision Making

Journal of Experimental Psychology: Learning, Memory, and Cognition

Journal of Mathematical Psychology

Journal of Personality and Social Psychology

Judgment and Decision Making

Management Science

Memory & Cognition

Minds and Machines

Personality and Social Psychology Review

Psychological Science

Psychonomic Bulletin & Review

Social Cognition

Topics in Cognitive Science

#### Reviewing grants

ETH Zürich Research Commission

Israel Science Foundation (ISF)

National Science Foundation (NSF)

United States-Israel Binational Science Foundation (BSF)

#### Reviewing conference submissions

SJDM annual conference (society for judgment and decision making)

SPUDM conference (subjective probability, utility, and decision making conference; European association for decision making, EADM)

#### Consulting activities

International Society for Human Rights (Switzerland) & Swisstransplant

Robert Koch-Institute (Berlin)

VolkswagenStiftung

#### Committee member

Graduate student and post-doc representative, Department of Psychology, University of Basel, Switzerland, 2007–2012

Student representative, Department of Psychology, University of Basel, Switzerland, 2000–2003.

#### Professional member

Society for Judgment and Decision Making (SJDM) European Association for Decision Making (EADM) Psychonomic Society

## Conference talks and posters

only talks and posters as presenter are listed

Herzog, S. M. (2015). Why and when often-heard things tend to be true: An ecological analysis of the truth effect. Poster to be presented at the 56<sup>th</sup> Annual Meeting of the Psychonomic Society, Chicago, Illinois, USA.

Herzog, S. M. (2015). *Misses vs. false alarms in probabilistic forecasts: Quantifying error tradeoffs in high-stakes judgments*. Poster to be presented at the 36<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Chicago, Illinois, USA.

Herzog, S. M. (2015). Signal detection in the wild: How to quantify the error tradeoffs of decision makers who are unable or reluctant to reveal them. Paper presented at the 25<sup>th</sup> Subjective Probability, Utility, and Decision Making (SPUDM) Conference, Budapest, Hungary.

Herzog, S. M. (2014). Signal detection theory in the wild: Reverse-engineering error preferences of decision makers who are unable or reluctant to reveal them. Paper presented at the 35<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Long Beach, California, USA.

Herzog, S. M. (2014). Signal detection theory in the wild: Reverse-engineering error preferences in naturalistic settings. Poster presented at the 55<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach, California, USA.

Herzog, S. M. (2014). *Harnessing the wisdom of the inner crowd*. Invited talk, presented at the Management Seminar series at the Department of Economics and Business, Universitat Pompeu Fabra, Barcelona, Spain.

Jenny, M. A., & Herzog, S. M. (2014). How changing research practices and using Bayesian statistics benefits the behavioral sciences. Joint keynote delivered at the 9th Workshop on Clinical Decision Making and Diagnostic Reasoning, Lüneburg, Germany.

Herzog, S. M., Unkelbach, C., & Hertwig, R. (2013). Why often-heard things tend to be true: The ecological rationality of the truth effect. Paper presented at the 24<sup>th</sup> Subjective Probability, Utility, and Decision Making (SPUDM) Conference, Barcelona, Spain.

Herzog, S. M. (2013). *Reverse-engineering decision makers' priorities using signal detection theory and cultural consensus theory.* Paper presented at the 46<sup>th</sup> Annual Meeting of the Society of Mathematical Psychology (SMP), Potsdam, Germany.

Herzog, S. M., & von Helversen, B. (2013). *Blending and choosing within one mind: Should judgments be based on exemplars, rules or both?* Poster presented at the 35<sup>th</sup> annual conference of the Cognitive Science Society, Berlin, Germany.

Herzog, S. M., de Maddalena, I. D., & Osterwalder, U. (2013). Communicating sunscreen effectiveness as "percentage of sunrays blocked" leads laypeople to underestimate the increase in protection when comparing sunscreens. Paper presented at the Research In Medical Education 2013 conference (RIME 2013), Berlin, Germany.

Herzog, S. M. (2013). *The wisdom of crowds within a single mind*. Invited talk, paper presented at the Wisdom of the Crowd Conference of the Institute for Mathematical Behavioral Sciences, University of California, Irvine, USA.

Herzog, S. M., Unkelbach, C., & Hertwig, R. (2013). Why often-heard things tend to be true: The ecological rationality of the truth effect. Paper presented at the 55<sup>th</sup> Tagung experimentall arbeitender Psychologen [Conference of Experimental Psychologists], Vienna, Austria.

Herzog, S. M. (2012). How to make people underestimate Fukushima: Mismatched rates bias the perception of risk and natural rates eliminate this bias. Poster presented at the 33<sup>rd</sup> Annual Meeting of the Society for Judgment and Decision Making, Minneapolis, Minnesota, USA.

- Herzog, S. M., Unkelbach, C., & Hertwig, R. (2012). Why often-heard things tend to be true: The ecological rationality of the truth effect. Paper presented at the 5<sup>th</sup> Workshop for Judgment and Decision making, University of Basel, Switzerland.
- Herzog, S. M., Unkelbach, C., & Hertwig, R. (2012). Why often-heard things tend to be true: The ecological rationality of the truth effect. Poster presented at the Workshop on Testing Theories of Choice Behavior, Max Planck Institute for Human Development, Berlin, Germany.
- Herzog, S. M., & Hertwig, R. (2012). *Averaging analytical and intuitive judgment with dialectical bootstrapping: The wisdom of an intuitive–analytical crowd within one mind*. Paper presented at the 54<sup>th</sup> Tagung experimentell arbeitender Psychologen [Conference of Experimental Psychologists], Mannheim, Germany.
- Herzog, S. M., & Hertwig, R. (2011). *Averaging analytical and intuitive judgment with dialectical bootstrapping: The wisdom of an intuitive–analytical crowd within one mind.* Paper presented at the 32<sup>nd</sup> Annual Meeting of the Society for Judgment and Decision Making, Seattle, Washington, USA.
- Herzog. S. M. (2011). The wisdom of crowds within one mind: The benefits of blending opinions and cognitive processes. Invited talk, paper presented at the 2011 International Small-Group Meeting, "What is adaptive cognition and behavior?", Heidelberg, Germany.
- Herzog, S. M., Türp, J., Romanyuk, Y., & Hertwig, R. (2011). *Modeling biases in medical decision making with Bayesian hierarchical signal detection models*. Poster presented at the 2011 workshop "Bayesian modeling for cognitive science: A WinBUGS workshop", University of Amsterdam, Netherlands.
- Herzog, S. M., Phillips, N. D., & Hertwig, R. (2011). *How to improve Bayesian inferences by contradicting oneself: Dialectical bootstrapping*. Paper presented at the 4<sup>th</sup> Workshop for Judgment and Decision making, Max Planck Institute for Research on Collective Goods, Bonn, Germany.
- Herzog, S. M., & von Helversen, B. (2011). *The benefits of blending cognitive processes within one mind*. Paper presented at the 10<sup>th</sup> Annual Summer Interdisciplinary Conference (ASIC), Caldes de Boi, Pyrenees, Spain.
- Herzog, S. M. (2011). The "wisdom of crowds" in one mind: Dialectical bootstrapping and the benefits of blending different cognitive processes. Invited talk, Social and Economic Psychology Colloquium, University of Basel, Basel, Switzerland.
- Herzog, S. M., & von Helversen, B. (2011). *The benefits of blending cognitive processes within one mind*. Paper presented at the 53<sup>rd</sup> Tagung experimental arbeitender Psychologen [Conference of Experimental Psychologists], Halle, Germany.
- Herzog, S.M. (2010). *Dialectical bootstrapping: The "wisdom of crowds" within one mind.* Invited talk for Hillel Einhorn New Investigator Award 2010, 31<sup>st</sup> Annual Meeting of the Society for Judgment and Decision Making, St. Louis, Missouri, USA.
- Herzog, S. M., & Hertwig, R. (2010). *The wisdom of many in one mind: When does dialectical bootstrapping improve judgment and do people use it?* Poster presented at the 31<sup>st</sup> Annual Meeting of the Society for Judgment and Decision Making, St. Louis, Missouri, USA.
- Herzog, S. M. (2010). The "wisdom of crowds" in one mind: Dialectical bootstrapping and the benefits of combining different cognitive processes. Invited talk, Colloquium Behavioral Studies (851-0585-01L), ETH Zürich, Zürich, Switzerland.
- Herzog, S. M., & von Helversen, B. (2010). *The benefits of combining cognitive processes within a single mind*. Paper presented at the 3<sup>rd</sup> Workshop for Judgment and Decision making, University of Basel, Switzerland.
- Herzog, S. M., & Hertwig, R. (2010). *Dialectical bootstrapping: How do people resolve estimation conflict within their own mind?* Poster presented at the 2010 Summer School in Computational and Mathematical Modeling of Cognition (European Society for Cognitive Psychology), Mallnitz, Austria.
- Herzog, S. M., & Hertwig, R. (2010). *Dialectical bootstrapping: Should you trust your "crowd within" or chase the "expert in your head"?* Paper presented at the 52<sup>nd</sup> Tagung experimental arbeitender Psychologen [Conference of Experimental Psychologists], Saarbrücken, Germany.
- Herzog, S. M., & von Helversen, B. (2009). *Modelling dialectical bootstrapping: Combining linear and exemplar models within one mind*. Paper presented at the Applied Cognitive Science and Economics workshop, Faculté des Hautes Etudes Commerciales (HEC), University of Lausanne, Switzerland.

- Herzog, S. M., & Hertwig, R. (2009). *Dialectical bootstrapping: When should you trust your "crowd within"?* Paper presented at the 30<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Boston, Massachusetts, USA.
- Herzog, S. M., & Hertwig, R. (2009). *Dialectical bootstrapping: The wisdom of crowds in one mind*. Paper presented at the 22<sup>nd</sup> Subjective Probability, Utility, and Decision Making (SPUDM) Conference, Rovereto, Italy.
- Herzog, S. M., & Hertwig, R. (2009). *Dialectical bootstrapping: How and why contradicting yourself can improve your judgment*. Paper presented at the 2<sup>nd</sup> Workshop for Judgment and Decision making, University of Mannheim, Germany.
- Herzog, S. M., & Hertwig, R. (2009). *The wisdom of many within one mind: Making better judgments with dialectical bootstrapping.* Paper presented at the 51<sup>st</sup> Tagung experimentell arbeitender Psychologen [Conference of Experimental Psychologists], Jena, Germany.
- Erev, I., Haruvy, E., Herzog, S. M., & Stewart, T. (2009). *The Technion Prediction Tournament: Round table discussion with the winners*. 2009 Asia Pacific meeting of the Economic Science Association (APESA09), Haifa, Israel.
- Herzog, S. M., & Hertwig, R. (2009). *The wisdom of many within one mind: Making better judgments with dialectical bootstrapping*. Paper presented at the 2009 Asia Pacific meeting of the Economic Science Association (APESA09), Haifa, Israel.
- Herzog, S. M., & Hertwig, R. (2008). *The wisdom of many within one mind: Making better judgments with dialectical bootstrapping*. Paper presented at the 29<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Chicago, Illinois, USA.
- Herzog, S. M., & Hertwig, R. (2008). *The wisdom of ignorant crowds: Collective recognition and forecast combination*. Paper presented at the 29<sup>th</sup> International Congress of Psychology, Berlin, Germany.
- Herzog, S. M., Hertwig, R., & Schooler, L. J. (2008). *Do differences in fluency make us smart? The ecological rationality of retrieval fluency?* Poster presented at the Mannheim Conference on Formal Models of Memory, Judgment, and Decision Making, University of Mannheim, Germany.
- Herzog, S. M. (2008). *Do differences in fluency make us smart? The ecological rationality of retrieval fluency*. Invited talk, Sonderforschungsbereich 504 Seminars, University of Mannheim, Germany.
- Herzog, S. M. (2008) "The wisdom of the crowd" innerhalb von einzelnen Personen: Wie man mit Widersprüchen gute Vorhersagen machen kann. ["The wisdom of the crowd" within individuals: How to make good forecasts by contradicting yourself]. Paper presented at the 50<sup>th</sup> Tagung experimentell arbeitender Psychologen [Conference of Experimental Psychologists], Marburg, Germany.
- Herzog, S. M., Hertwig, R., & Schooler, L. J. (2007). *The psychology of the fluency heuristic: Do differences in fluency make us smart?* Poster presented at the 28<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Long Beach, California, USA.
- Herzog, S. M., Hertwig, R., & Schooler, L. J. (2007). Fluency heuristic: A model of how the mind exploits a by-product of information retrieval. Paper presented at the 10<sup>th</sup> Congress of the Swiss Society of Psychology, Zürich, Switzerland.
- Herzog, S. M., & Hertwig, R. (2007). *The wisdom of ignorant crowds: Forecasting with collective recognition*. Poster presented at the 21<sup>st</sup> Subjective Probability, Utility, and Decision Making (SPUDM) Conference, Warsaw, Poland.
- Herzog, S. M., & Hertwig, R. (2007). Wenn Ignoranz bessere Vorhersagen als die FIFA macht: Kollektive Rekognition und die Vorhersage der WM 2006. [When ignorance makes better predictions than the FIFA: Collective recognition and forecasting the Soccer World Cup 2006.] Paper presented at the 49<sup>th</sup> Tagung experimentell arbeitender Psychologen [Conference of Experimental Psychologists], Trier, Germany.
- Herzog, S. M., & Hertwig, R. (2007). *The widsom of ignorant crowds: Forecasting with collective recognition*. Paper presented at the 8<sup>th</sup> Fachtagung der Gesellschaft für Kognitionswissenschaft (KogWis 2007), Saarbrücken, Germany.
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