

Mark Himmelstein

ASSISTANT PROFESSOR OF PSYCHOLOGY · GEORGIA INSTITUTE OF TECHNOLOGY

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Education

Fordham University, Department of Psychology

Bronx, NY

PHD IN PSYCHOMETRICS AND QUANTITATIVE PSYCHOLOGY

2023

- Advisor: Dr. David Budescu

Fordham University, Department of Psychology

Bronx, NY

MS IN CLINICAL RESEARCH METHODOLOGY

2018

SUNY Empire State College, Department of Psychology

New York, NY

BA IN HUMAN DEVELOPMENT

2014

Professional Experience

- 2024-pres **Assistant Professor**, School of Psychology, Georgia Institute of Technology
- 2023-pres **Academic Affiliate**, Forecasting Research Institute
- 2023 **Alumni Dissertation Fellow**, Department of Psychology, Fordham University
- 2022-2023 **Distinguished Research Fellow**, Department of Psychology, Fordham University
- 2022 **Teaching Associate**, Department of Psychology, Fordham University
- 2022 **Anne Anastasi Research Fellow**, Department of Psychology, Fordham University
- 2021 **Teaching Fellow**, Department of Psychology, Fordham University
- 2020-2021 **Graduate Teaching Assistant**, Department of Psychology, Fordham University
- 2017-2020 **Graduate Research Assistant**, Department of Psychology, Fordham University

Awards

- 2025 **Annual Dissertation Award**, Psychometric Society \$1,500
- Instructor Honor Roll (Psychological Statistics)**, Georgia Institute of Technology
- 2024 **Smithgall Watts Early Career Scholar Award**, Georgia Institute of Technology \$15,000
- Anne Anastasi Dissertation Award**, American Psychological Association \$1,000
- Instructor Honor Roll (Psychological Statistics)**, Georgia Institute of Technology
- 2023 **Annual Publication Award Finalist (Himmelsein et al., 2021)**, Decision Analysis Society
- Editor's Choice (Himmelstein, Budescu & Ho, 2023)**, American Psychological Association
- 2022 **Excellence in Graduate Instruction, Honorable Mention**, Fordham University \$500
- Best Graduate Student Presentation, Finalist**, Decision Analysis Society
- PhD Student Incubator Selection**, Decision Analysis Society
- 2021 **de Finetti Award (Himmelstein et al., 2021)**, European Association for Decision Making €1,000
- Annual Publication Award Finalist (Fan et al., 2019)**, Decision Analysis Society
- 2020 **Special Recognition Award (Fan et al., 2019)**, Decision Analysis Society

Grants

2026	Forecasting Research Institute: Forecasting Proficiency Test Extension (Granted), Principal Investigator	\$66,924
2024	NIH R21: Glucose metabolism and neurocognitive function in middle-aged and older adults (Proposed), Co-Principal Investigator	\$2,880,729
2023	Forecasting Research Institute: Forecasting Proficiency Test (Granted), Principal Investigator	\$98,000
	NSF DDRIG: Measuring Persuasion without Prior Belief: A New Application of Planned Missing Data Techniques (Award #2242100 Granted), Co-Principal Investigator	\$24,552

Publications

* graduate student working under my supervision, * undergraduate student working under my supervision

PEER REVIEWED JOURNAL ARTICLES

- Himmelstein, M.,** Zhu, D.*, & Budescu, D.V. (2025). The Impact of Hybrid Human-Algorithm Advice and Cost on Advice Solicitation and Belief Revision. Manuscript accepted for publication. *Decision*.
- Ho, E., & Budescu, D.V., **Himmelstein, M.** (2024). A measure of probabilistic coherence to identify superior forecasters. *International Journal of Forecasting*, 14(2), 596–612. <https://doi.org/10.1016/j.ijforecast.2024.02.005>
- Himmelstein, M.,** Budescu, D.V., & Ho, E. H. (2023). The wisdom of many in few: Finding individuals who are as wise as the crowd. *Journal of Experimental Psychology: General*, 152(5), 1223–1244. <https://doi.org/10.1037/xge0001340>
- Himmelstein, M.,** & Budescu, D.V. (2023). Preference for human or algorithmic forecasting advice does not predict if and how it is used. *Journal of Behavioral Decision Making*, 36(1), e2285. <https://doi.org/10.1002/bdm.2285>
- Himmelstein, M.** (2023). A Bayesian approach for using planned missingness to address measurement reactivity [Abstract]. *Multivariate Behavioral Research*. <https://doi.org/10.1080/00273171.2022.2160296>
- Benjamin, D. M., Morstatter, F., Abbas, A. E., Abeliuk, A., Atanasov, P., Bennett, S., Beger, A., Birari, S., Budescu, D.V., Catasta, M., Ferrar, E., Haravitch, L., **Himmelstein, M.,** ... Galstyan, A. (2023). Hybrid forecasting of geopolitical events. *AI Magazine*, 44, 112–128. <https://doi.org/10.1002/aaai.12085>
- Himmelstein, M.** (2022). Decline, adopt or compromise? A dual hurdle model for advice utilization. *Journal of Mathematical Psychology*, 110, 102695. <https://doi.org/10.1016/j.jmp.2022.102695>
- Himmelstein, M.,** & Budescu, D.V. (2022). Modeling boundary inflation in advice utilization for multinomial probability judgment [Abstract]. *Multivariate Behavioral Research*. <https://doi.org/10.1080/00273171.2021.2009329>
- Himmelstein, M.,** Atanasov, P., & Budescu, D. V. (2021). Forecasting forecaster accuracy: Contributions of past performance and individual differences. *Judgment and Decision Making*, 16(2), 323–362. <https://doi.org/10.1017/S1930297500008597>
- Levitch, C. F., McConathey, E., Aghvinian, M., **Himmelstein, M.,** Lipton, M. L., & Zimmerman, M. E. (2020). The impact of sleep on the relationship between soccer heading exposure and neuropsychological function in college-age soccer players. *Journal of the International Neuropsychological Society*, 26(7), 633–644. <https://doi.org/10.1017/S1355617720000211>
- Morstatter, F., Galstyan, A., Satyukov, G., Benjamin, D., Abeliuk, A., Mirtaheri, M., Hossain, K. S. M. T., Szekely, P., Ferrara, E., Matsui, A., Steyvers, M., Bennet, S., Budescu, D., **Himmelstein, M.,** ... Abbas, A. (2019). SAGE: A hybrid geopolitical event forecasting system. *Proceedings of the Twenty-Eighth International Joint Conference on Artificial Intelligence, IJCAI-19*, 6557–6559. <https://www.ijcai.org/proceedings/2019/0955.pdf>
- Fan, Y., Budescu, D.V., Mandel, D.R., & **Himmelstein, M.** (2019). Improving accuracy by coherence weighting of direct and ratio probability judgments. *Decision Analysis*, 16(3), 197–217. <https://doi.org/10.1287/deca.2018.0388>

BOOK CHAPTERS

- Himmelstein, M.**, Budescu, D. V., & Han, Y. (2023). The wisdom of timely crowds. In M. Seifert (Ed.), *Judgment in Predictive Analytics* (pp. 215–242). Springer International Publishing. https://doi.org/10.1007/978-3-031-30085-1_8
- Atanasov, P., & **Himmelstein, M.** (2023). Talent spotting in crowd prediction. In M. Seifert (Ed.), *Judgment in Predictive Analytics* (pp. 135–184). Springer International Publishing. https://doi.org/10.1007/978-3-031-30085-1_6

UNDER REVIEW

- Himmelstein, M.**, & Budescu, D.V. (2026). Causal inference in the absence of direct measurement using planned missing data. Manuscript submitted for publication. *Psychological Methods*. Preprint: <https://osf.io/preprints/psyarxiv/g3j4r>
- Himmelstein, M.**, Zhu, S.M.*, Petrov, N.*, Karger, E., Helmer, J.*, Livnat, S.*, Bennett, A., Hedley, P., & Tetlock, P.E. (2025). The forecasting proficiency test: A general use assessment of forecasting ability. Manuscript submitted for publication. *Management Science*. Preprint: <https://doi.org/10.31234/osf.io/a7kdx>
- Helmer, J.*, Petrov, N.*, Zhu, S.M.*, Karger, E., & **Himmelstein, M.** (2025). Metapredictions as tools for identifying talented forecasters. Manuscript submitted for publication. *Judgment and Decision Making*. Preprint: https://doi.org/10.31234/osf.io/rgf2u_v1
- Zhu, S.M.*, Petrov, N.*, Budescu, D.V., Karger, E., & **Himmelstein, M.** (2025). The psychometric properties of probability and quantile forecasts. Manuscript submitted for publication. *Judgment and Decision Making*. Preprint: <https://doi.org/10.31234/osf.io/2m4ya>
- Merkle, E.C., Petrov*, N., Zhu, S.M.*, Karger, E., & **Himmelstein, M.** (2025). Identifying good forecasters via adaptive cognitive tests. Manuscript submitted for publication. *International Journal of Forecasting*. Preprint: <https://doi.org/10.48550/arXiv.2411.11126>
- Bernard, D. R., **Himmelstein, M.**, Karger, E. & Schoenegger, P. (2025). Forecasting long run causal events. Manuscript submitted for publication. *Journal of Economic Development*.
- Anakwenze, O., **Himmelstein, M.**, & Plourde, J. (2025). Stigma, depression, and social support in Black people diagnosed with schizophrenia. Manuscript submitted for publication. *Journal of Racial and Ethnic Health Disparities*.

IN PREPARATION

- Himmelstein, M.**, Kingston, L.*, Livnat, S.*, & Karger, E. (2025). Psychometric and decision analytic perspectives on judgmental forecasting: A systematic review and paradigm for future research. Manuscript in preparation.
- Helmer, J.*, Ventura Coello, S., Schultze, T., Kausel, E. E., & **Himmelstein, M.** (2025). A meta-analysis of advice taking studies using the decline, adopt, or compromise modeling framework. Manuscript in preparation.
- Zhu, S.M.*, **Himmelstein, M.**, Petrov, N.*, Karger, & Barker, J. (2025). Comparing quantile and graphical methods for probabilistic belief elicitation. Manuscript in preparation.
- Petrov, N.*, **Himmelstein, M.**, Zhu, S.M.*, Karger, E. & Barker, J. (2025). Accuracy and user experience for different methods of probability elicitation. Manuscript in preparation.
- Setti, F.*, Feuerstahler, L., Zhu, S.M.*, Petrov, N.*, Karger, E., & **Himmelstein, M.** (2025). Measuring forecasting proficiency: An item response theory approach. Manuscript in preparation.
- Kostopoulou, O., & **Himmelstein, M.** (2025). Advice taking when clinicians heed algorithmic predictions and when they don't. Manuscript in preparation.
- Karvetski, C., Karger, E., & **Himmelstein, M.** (2025). Towards Convergent Guidance on When Quantile Forecasts or Probability Forecasts are More Accurate. Manuscript in preparation.
- Mellers, B.A., Consigny, C., Kingston, L.* & **Himmelstein, M.** (2025). Training good judgment: A controlled replication. Manuscript in preparation.
- Hu, B., Sussman., A., **Himmelstein, M.**, Palley, A., Soll, J., Hastie, R., Hullman, J., Dannals, J., Chandramouli, S., Atanasov, P., Andre, Q., Goldstein, D., Wilmer, J., Zhu, J., & Bartels, D. (2025). A review of methods for probabilistic belief elicitation. Manuscript in preparation.
- Barker, J., Vessenes, R., Petrov, N., Allen, C., Schmidt, V., Atanasov, P., **Himmelstein, M.**, Budescu, D.V. & Karger, E. (2025). A systematic exploratory examination of modular forecaster training methods. Manuscript in preparation.

Barker, J., Benjamin, D.M., Britt, R., **Himmelstein, M.**, Budescu, D.V. & Karger, E. (2025). Making the most of forecasting teams. Manuscript in preparation.

Research Milestones

Fordham University, Department of Psychology

Bronx, NY

ADVISOR: DR. DAVID BUDESCU

Dec. 2023

- Dissertation: Measuring Persuasion Without Measuring a Prior Belief: A New Application of Planned Missing Data Techniques

Fordham University, Department of Psychology

Bronx, NY

ADVISOR: DR. DAVID BUDESCU

Aug. 2018

- Master's Thesis: Anxiety and the Framing Effect: Intolerance of Uncertainty Predicts Frame Consistent Choice Patterns

Presentations

Presenting author listed first. * *graduate student working under my supervision*; + *undergraduate student working under my supervision*

CONFERENCE PRESENTATIONS

Himmelstein, M., Zhu, S.M.*, Budescu, D.V., Petrov, N.*, & Karger, E. (June 2026). Measuring proficiency at forecasting the future. To be presented at the *Modern Modeling Methods Conference*. New York, NY.

Helmer, J.*, Zhu, S.M.*, Petrov, N.*, Karger, E., & **Himmelstein, M.** (June 2026). Psychometric measurement of forecasters using the wisdom of the crowd. To be presented at the *Modern Modeling Methods Conference*. New York, NY.

Himmelstein, M., & Budescu, D.V. (March 2026). The effect of explicit prior judgment elicitation on belief change. To be presented at the *Tagung experimentell arbeitender Psycholog*innen Conference*. Tubingen, Germany.

Himmelstein, M. (March 2026). Normative, descriptive, and computational models of advice taking. Presented at the *Annual Conference for the Center of Excellence in Computational Cognition*. Atlanta, Georgia.

Helmer, J.*, Ventura Coello, S., Schultze, T., Kausel, E. E., & **Himmelstein, M.** (March 2026). When and Why Advice-Taking Strategies Differ: A Dual Hurdle-Based Meta-Analysis. To be presented at the *Tagung experimentell arbeitender Psycholog*innen Conference*. Tubingen, Germany.

Himmelstein, M., Zhu, S.M.*, Budescu, D.V., Petrov, N.*, & Karger, E. (July 2025). The psychometrics of uncertainty elicitation for real world forecasting problems. Presented at the *International Meeting of the Psychometric Society*. Minneapolis, Minnesota.

Helmer, J.*, Zhu, S.M.*, Petrov, N.*, Karger, E., & **Himmelstein, M.** (July 2025). Psychometric measurement of forecasters using the wisdom of the crowd. Presented at the *International Meeting of the Psychometric Society*. Minneapolis, Minnesota.

Setti, F.*, Feuerstahler, L., Zhu, S.M.*, Petrov, N.*, Karger, E., & **Himmelstein, M.** (July 2025). Measuring forecasting proficiency: An item response theory approach. Presented at the *International Meeting of the Psychometric Society*. Minneapolis, Minnesota.

Kostopoulou, O. & **Himmelstein, M.** (October 2024). Advice taking when clinicians heed algorithmic predictions and when they don't. Presented at the *Annual Meeting for the Society for Medical Decision Making*. Boston, Massachusetts.

Himmelstein, M., & Budescu, D.V. (July 2024). Measuring persuasion without measuring a prior belief: A new application of planned missing data techniques. Presented at the *Annual Meeting for the Society on Mathematical Psychology*. Tilburg, Netherlands.

Himmelstein, M., & Budescu, D.V. (July 2024). Planned missing data designs for addressing measurement reactivity. Presented at the *International Meeting of the Psychometric Society*. Prague, Czech Republic.

Himmelstein, M., Zhu, S. M.*, Petrov, N., Karger, E., Bennett, A., & Tetlock, P. E. (July 2024). The forecasting proficiency test: A practical forecaster evaluation tool. Presented at the *Advances in Decision Analysis Conference*. Helsinki, Finland.

Himmelstein, M., Karger, E., Page, M., Atanasov, P., & Tetlock, P. (August 2023). The forecasting proficiency test: A practicable assessment of forecasting skill. Presented at the *Subjective Probability, Utility, and Decision Making Conference*. Vienna, Austria.

- Himmelstein, M., & Budescu, D.V.** (August 2023). Understanding how people take advice when they do not report their priors. Presented at the *Subjective Probability, Utility, and Decision Making Conference*. Vienna, Austria.
- Himmelstein, M., & Budescu, D.V.** (June 2023). A holistic Bayesian approach to addressing measurement reactivity with a planned missing data design. Presented at the *Modern Modeling Methods Conference*. Storrs, CT.
- Atanasov, P., & **Himmelstein, M.** (November 2022). Talent spotting in crowd prediction. Presented at the *Society for Judgment and Decision Making Annual Conference*. San Diego, CA.
- Budescu, D.V., **Himmelstein, M.**, Rabinovich, H., & Berbery-Meyer, Y. (October 2022). Humans or Algorithms? Favoring one doesn't imply aversion to the other. Presented at the *Annual Meeting of the Society for Multivariate Experimental Psychology*. San Diego, CA.
- Atanasov, P., & **Himmelstein, M.** (October 2022). Talent spotting in crowd prediction. Presented at the *Association for Computing Machinery Collective Intelligence Conference*. Virtual Presentation.
- Himmelstein, M.**, Ho, E. H., & Budescu, D.V. (July 2022). Evaluating forecasters in real time by finding individuals who are as wise as the crowd. Presented at the *International Symposium on Forecasting*. Oxford, United Kingdom.
- Anakwenze, O., **Himmelstein, M.**, & Plourde, J. (July 2022). The aversive impact of stigma on Black individuals diagnosed with schizophrenia. *Association of Black Psychologists 53rd Annual International Convention*.
- Himmelstein, M.**, Ho, E. H., & Budescu, D.V. (June 2022). Proxy scores as a real time forecaster evaluation tool. Presented at the *Advances in Decision Analysis Conference*. Washington, D.C.
- Himmelstein, M.**, Ho, E. H., & Budescu, D.V. (February 2022). Proxy scores as a real time forecaster evaluation tool. Presented at the *Society for Judgment and Decision Making Annual Conference*. Virtual Presentation.
- Budescu, D.V. & **Himmelstein, M.** (November 2021). Taking advice from models and humans. Presented at the *Annual Meeting of the Psychonomic Society*. Virtual Presentation.
- Budescu, D.V., **Himmelstein, M.**, & Ho, E. H. (October 2021). Boosting the wisdom of crowds with social forecasts and coherence measures. Presented at the *Annual Meeting of the Society for Multivariate Experimental Psychology*. Virtual Presentation.
- Himmelstein, M.**, Atanasov, P., & Budescu, D.V. (August 2021). Forecasting forecaster accuracy: Contributions of past performance and individual differences. Plenary presentation at the *Subjective Probability, Utility, and Decision Making Conference*. Virtual Presentation.
- Himmelstein, M.**, Atanasov, P., & Budescu, D.V. (June 2021). Optimizing information and de-confounding forecast timing in forecaster assessment. Presented at the *International Symposium on Forecasting*. Virtual Presentation.
- Himmelstein, M.**, Atanasov, P., & Budescu, D.V. (November 2019). Identifying skilled forecasters: Psychometric and longitudinal approaches. Presented at the *Society for Judgment and Decision Making Annual Conference*. Montreal, QC.
- Himmelstein, M.**, Atanasov, P., & Budescu, D.V. (August 2019). Identifying skilled forecasters: Psychometric and longitudinal approaches. Presented at the *Subjective Probability, Utility, and Decision Making Conference*. Amsterdam, NL.
- Himmelstein, M.**, & Budescu, D.V. (June 2019). Receptiveness to advice from humans, algorithmic models and ensembles in forecasting. Presented at the *Tinbergen Institute Bayesian Crown Conference*. Rotterdam, NL.
- Morstatter, F., Galstyan, A., Satyukov, G., Benjamin, D., Abeliuk, A., Mirtaheri, M., Hossain, K.S.M.T., Szekely, P., Ferrara, E., Matsui, A., Steyvers, M., Bennet, S., Budescu, D.V., **Himmelstein, M.**, Ward, M., Beger, A., Catasta, M., Sasic, R., Leskovec, J., Atanasov, P., Joseph, R., Sethi, R., & Abbas, A. (August 2019). SAGE: A hybrid geopolitical event forecasting system. *Twenty-Eighth International Joint Conference on Artificial Intelligence*.
- Budescu, D.V., Fan, Y., Mandel, D., & **Himmelstein, M.** (November 2017). Optimizing experts' forecasts by coherence-weighted direct and indirect judgments. Presented at the *Psychonomic Society Annual Meeting*. Vancouver, BC.

SYMPOSIA

- Himmelstein, M.**, Petrov, N.^{*}, Zhu, S.M.^{*}, Karger, E., Helmer, J.^{*}, Livnat, S.⁺, ... Tetlock, P. (August 2026). Developing a test of forecasting proficiency. To be presented at the *Annual Choice Symposium: Looking Ahead: New Frontiers in Forecasting and Communication*. Vail, Colorado.
- Session Organizer. Advances in Assessment of Human Forecasting. (September 2025). *Subjective Probability, Utility, and Decision Making Conference*. Lucca, Italy.

- Himmelstein, M.**, Petrov, N.*, Zhu, S.M.*, Karger, E., Helmer, J.*, Livnat, S.+, ... Tetlock, P. (September 2025). Developing a test of forecasting proficiency. Presented at the Symposium on Advances in Assessment of Human Forecasting; *Subjective Probability, Utility, and Decision Making Conference*. Lucca, Italy.
- Helmer, J.*, Zhu, S.M.*, Petrov, N.*, Karger, E., Livnat, S.+, & **Himmelstein, M.** (September 2025). Metapredictions as tools for identifying talented forecasters. Presented at the Symposium on Advances in Assessment of Human Forecasting; *Subjective Probability, Utility, and Decision Making Conference*. Lucca, Italy.
- Zhu, S.M.*, Petrov, N.*, Budescu, D.V., Karger, E., & **Himmelstein, M.** (September 2025). The psychometric properties of probability and quantile forecasts. Presented at the Symposium on Advances in Assessment of Human Forecasting; *Subjective Probability, Utility, and Decision Making Conference*. Lucca, Italy.
- Setti, F.*, Feuerstahler, L., Zhu, S.M.*, Petrov, N.*, Karger, E., & **Himmelstein, M.** (September 2025). Measuring forecasting proficiency: An item response theory approach. Presented at the Symposium on Advances in Assessment of Human Forecasting; *Subjective Probability, Utility, and Decision Making Conference*. Lucca, Italy.
- Session Organizer/Chair. Psychological Theory and Psychometric Measurement of Human Forecasting. (August 2025). *American Psychological Association Convention, Division 3: Experimental Psychology and Cognitive Science*. Denver, CO.
- Petrov, N.*, Zhu, S.M.*, Karger, E., & **Himmelstein, M.** (August 2025). The cognitive infrastructure of good forecasting. Presented at the Symposium on Psychological Theory and Psychometric Measurement of Human Forecasting; *American Psychological Association Convention, Division 3: Experimental Psychology and Cognitive Science*.
- Helmer, J.*, Zhu, S.M.*, Petrov, N.*, Karger, E., Livnat, S.+, & **Himmelstein, M.** (August 2025). Metapredictions as tools for identifying talented forecasters. Presented at the Symposium on Psychological Theory and Psychometric Measurement of Human Forecasting; *American Psychological Association Convention, Division 3: Experimental Psychology and Cognitive Science*.
- Zhu, S.M.*, Petrov, N.*, Budescu, D.V., Karger, E., & **Himmelstein, M.** (August 2025). The psychometric properties of probability and quantile forecasts. Presented at the Symposium on Psychological Theory and Psychometric Measurement of Human Forecasting; *American Psychological Association Convention, Division 3: Experimental Psychology and Cognitive Science*.
- Himmelstein, M.**, & Budescu, D.V. (September 2021). When do forecasters take advice from models and humans? Presented at the Symposium on Using Algorithmic and Human Advice; *INFORMS Annual Conference*. Virtual Presentation.
- Session Organizer. Using Algorithmic and Human Advice. (2021). *Subjective Probability, Utility, and Decision Making Conference*. Virtual Session.
- Himmelstein, M.**, & Budescu, D.V. (August 2021). When do forecasters take advice from models and humans? Presented at the Symposium on Using Algorithmic and Human Advice; *Subjective Probability, Utility, and Decision Making Conference*. Virtual Presentation.

INVITED LECTURES

- Himmelstein, M.** (April 2026). Using human forecasts to distill signal from noise in high uncertainty environments. To be presented at the *Keck Institute for Space Science Workshop: One-shot Outer Solar System Exploration with Adaptive Space Systems*. Pasadena, CA.
- Himmelstein, M.** (September 2025). Measuring persuasion without measuring a prior belief: A new application of planned missing data techniques. Presented at *Ohio State University, Quantitative Psychology Seminar*. Columbus, OH.
- Himmelstein, M.** (July 2025). Measuring persuasion without measuring a prior belief: A new application of planned missing data techniques. Presented at the *International Meeting of the Psychometric Society*. Minneapolis, Minnesota.
- Himmelstein, M.**, Petrov, N.*, Zhu, S.M.*, Karger, E., Helmer, J., Livnat, S.+, ... Tetlock, P. (June 2025). Uncertainty elicitation for continuous forecasting judgments: Interfaces, scoring rules, and psychometrics. Presented at the *University of Chicago Booth School of Business workshop on belief elicitation*. Chicago, IL.
- Himmelstein, M.** (July 2025). Measuring persuasion without measuring a prior belief: A new application of planned missing data techniques. Presented at the *International Meeting of the Psychometric Society*. Minneapolis, Minnesota.
- Himmelstein, M.** (April 2025). Brainstorming conditional forecasting. Presented at the *Forecasting Research Institute Research Seminar*. Remote presentation.
- Himmelstein, M.** (January 2025). Forecasting Proficiency Test updates January 2025. Presented at the *Forecasting Research Institute Research Seminar*. Remote presentation.

- Himmelstein, M.** (October 2024). Developing a forecasting proficiency test. *Delft University of Technology, Seminar series in expert judgment*. Virtual presentation.
- Himmelstein, M.** (September 2024). The psychometrics of subjective uncertainty and forecasting. *Georgia Institute of Technology, Quantitative Psychology Seminar*. Atlanta, GA.
- Himmelstein, M.** (September 2024). Big ideas in computational cognition: Understanding uncertainty. *Georgia Institute of Technology, Center for Excellence in Computational Cognition*. Atlanta, GA.
- Himmelstein, M.** (July 2024). Forecasting Proficiency Test updates July 2024. Presented at the *Forecasting Research Institute Research Seminar*. Remote presentation.
- Himmelstein, M.** (May 2024). Bayesian mixture models and missing data in advice taking research. *Fordham University, Department of Psychology*. New York, NY.
- Himmelstein, M.** (May 2024). The psychometrics of subjective probability. *Fordham University, Department of Psychology*. New York, NY.
- Himmelstein, M.** (January 2024). Measuring persuasion without measuring a prior belief: A new application of planned missing data techniques. *Georgia Institute of Technology, School of Psychology*. Atlanta, GA.
- Himmelstein, M.** (October 2023). Measuring persuasion without measuring a prior belief: A new application of planned missing data techniques. *University of Illinois Urbana-Champaign, Department of Psychology*. Champaign, IL.
- Himmelstein, M. & Zhu, S.M.*** (October 2023). The Forecasting Proficiency Test: Selecting and testing forecasting items. Presented at the *Forecasting Research Institute Research Seminar*. Remote presentation.
- Himmelstein, M. & Petrov, N.*** (October 2023). The cognitive side of the Forecasting Proficiency Test. Presented at the *Forecasting Research Institute Research Seminar*. Remote Presentation.
- Himmelstein, M.** (April 2023). Normative and descriptive theories of decision making. Presented at the *Forecasting Research Institute Research Seminar*. Remote Presentation.
- Himmelstein, M.** (March 2023). What are the Best Ways to Learn About Forecasting Skill? Presented at the *Forecasting Research Institute Annual Retreat*. Philadelphia, PA.
- Himmelstein, M.** (March 2023). The psychometrics of forecasting and psychology of belief revision. *Georgia Institute of Technology, School of Psychology*. Atlanta, GA.
- Himmelstein, M.** (February 2023). Forecasting Proficiency Test Preliminary Sketch Ideas. Presented at the *Forecasting Research Institute Research Seminar*. Remote presentation.
- Himmelstein, M.** (January 2023). The psychometrics of forecasting and psychology of belief revision. *Carnegie Mellon University, College of Engineering*. Pittsburgh, PA.
- Himmelstein, M.** (December 2022). Statistical simulation and storytelling. *New York University Steinhardt School of Education, Culture and Human Development*. New York, NY.
- Himmelstein, M.** (December 2022). Statistically analyzing subjective uncertainty. *New York University Steinhardt School of Education, Culture and Human Development*. New York, NY.
- Himmelstein, M.** (November 2022). Statistically analyzing subjective uncertainty. *Fordham University Psychometric Topics Seminar*. New York, *NY.
- Himmelstein, M.** (May 2022). Bayesian analysis and data visualization. *Fordham University Psychometric Topics Seminar*. New York, NY.
- Himmelstein, M.** (April 2021). IRT models for forecasting and probability judgment. *Fordham University Course PSYC 7920: Item Response Theory* guest lecture. New York, NY.
- Himmelstein, M., Atanasov, P., Budescu, D.V., & Ho, E. H.** (February 2021). Assessing forecasting skill over time. *Fordham University Psychometric Topics Seminar*. New York, NY.
- Himmelstein, M., Atanasov, P., & Budescu, D.V.** (November 2019). Identifying skilled forecasters: Psychometric and longitudinal approaches. *Fordham University Psychometric Topics Seminar*. New York, NY.
- Himmelstein, M., & Budescu, D.V.** (May 2019). Hybrid forecasting: How and when human forecasters use advice from different external sources. *Fordham University Psychometric Topics Seminar*. New York, NY.

POSTER PRESENTATIONS

- Helmer, J.*, Zhu, S.M.*, Petrov, N.*⁺, Karger, E., Livnat, S.*⁺, & **Himmelstein, M.** (November 2024). Metapredictions as tools for identifying talented forecasters. Presented at the *Society for Judgment and Decision Making Annual Meeting*. New York, NY.
- Himmelstein, M.**, Zhu, S.*⁺, Petrov, N.*⁺, Karger, E., Helmer, J.*⁺, Livnat, S.*⁺, ... Tetlock, P. (November 2024). The forecasting proficiency test. Presented at the *Society for Judgment and Decision Making Annual Meeting*. New York, NY.
- Zhu, S.*⁺, Petrov, N.*⁺, Budescu, D.V., Karger, E., & **Himmelstein, M.** (November 2024). The psychometric properties of probability and quantile forecasts. Presented at the *Society for Judgment and Decision Making Annual Meeting*. New York, NY.
- Himmelstein, M.**, & Budescu, D.V. (November 2022). Decline, adopt, or compromise: A new model of advice taking. Presented at the *Society for Judgment and Decision Making Annual Meeting*. San Diego, CA.
- Himmelstein, M.**, & Budescu, D.V. (October 2022). A Bayesian approach for using planned missingness to address measurement reactivity. Presented at the *Society for Multivariate Experimental Psychology Conference*. Monterey, CA.
- Anakwenze, O., **Himmelstein, M.**, & Plourde, J. (October 2022). How stigma shapes the outcomes of Black individuals diagnosed with schizophrenia. Presented at the *Conference of Ford Fellows*.
- Benda, M., Hirsch, E., Silverman, M., Stadterman, J., **Himmelstein, M.**, & Roy, A. K. (March 2022). Association between parental mood factors and children's TV and video game screen time during COVID-19. Presented at the *Eastern Psychological Association Conference*. New York, NY.
- Himmelstein, M.**, & Budescu, D.V. (October 2021). Modeling boundary inflation in advice utilization for multinomial probability judgment. Presented at the *Society for Multivariate Experimental Psychology Conference*. Remote.
- Himmelstein, M.**, & Budescu, D.V. (August 2019). Anxiety and the framing effect: Intolerance of uncertainty predicts frame consistent choice patterns. Presented at the *Subjective Probability, Utility, and Decision Making Conference*. Amsterdam, NL.
- Himmelstein, M.**, & Budescu, D.V. (November 2018). Intolerance of uncertainty predicts robustness of frame-consistency. Poster presented at the *Society for Judgment and Decision Making Annual Meeting*. New Orleans, LA.
- Himmelstein, M.**, Budescu, D.V., & Atanasov, P. (October 2018). Predicting forecasters' accuracy and activity. Presented at the *Hybrid Forecasting Challenge principal investigator meeting*. Washington, DC.

Teaching Experience

GEORGIA INSTITUTE OF TECHNOLOGY

- Spr 2026 PSYC 3803/8803 Special Topics: Decision Science, Instructor
- Fall 2025 PSYC 8803 Special Topics: Missing Data Analytics, Instructor
- Spr 2025 PSYC 2020/6022 Psychological Statistics, Instructor
- Fall 2024 PSYC 8803 Special Topics: Missing Data Analytics, Instructor
- Spr 2024 PSYC 2020/6022 Psychological Statistics, Instructor

FORDHAM UNIVERSITY

- Fall 2022 PSYC 6082: Introduction to Psychological Statistics (Master's), Instructor
- Fall 2021 PSYC 7965: Experimental Design, Lab Instructor
- PSYC 6802 Introduction to Psychological Statistics (PhD), Lab Instructor
- Spr 2021 PSYC 7821: Advanced Multivariate Statistics, Lab Instructor
- PSYC 2010: Research Methods, Lab Instructor
- Fall 2021 PSYC 7850: Hierarchical Linear Models, Lab Instructor
- PSYC 2010: Research Methods, Lab Instructor

Workshops

- Fall 2020 Introduction to R for Statistics, Primary Developer and Instructor
- Fall 2019 Qualtrics and MTurk for Conducting Online Studies, Primary Developer and Instructor

Mentoring

GRADUATE ADVISEES

- 2025-pres **Amanada de la Noval**, PhD Student, Georgia Institute of Technology
- 2024-pres **Jessica Helmer**, PhD Student, Georgia Institute of Technology
- Alina Tran**, PhD Student, Georgia Institute of Technology

GRADUATE RESEARCH ASSISTANTS

- 2025-pres **Neha Kohad**, Research Assistant, Georgia Institute of Technology
- Elijah Marietta**, Research Assistant, Georgia Institute of Technology
- 2023-pres **Sophie Ma Zhu**, Research Assistant, Forecasting Research Institute
- Nikolay Petrov**, Research Assistant, Forecasting Research Institute

UNDERGRADUATE RESEARCH ASSISTANTS

- 2025-pres **Sophia Masci**, Research Assistant, Georgia Institute of Technology
- An An Marone**, Research Assistant, Georgia Institute of Technology
- 2024-pres **Lillian Kingston**, Research Assistant, Georgia Institute of Technology
- Sivan Livnat**, Research Assistant, Georgia Institute of Technology
- 2022-2023 **Julia Rinaldi**, Research Assistant, Fordham University

GRADUATE TEACHING ASSISTANTS

- Spr 2025 **Ruohan Feng**, Lab Instructor, PSYC 2020/6022
- Jingming Xue**, Graduate Teaching Assistant, PSYC 2020/6022
- Fall 2024 **Heather Handy**, Graduate Teaching Assistant, PSYC 8803
- Spr 2024 **Eunbee Kim**, Lab Instructor, PSYC 2020/6022
- Isabella Martincic**, Graduate Teaching Assistant, PSYC 2020/6022
- Fall 2022 **Jay Plourde**, Lab Instructor, PSYC 6802

COMMITTEES

- 2025-pres **Na Liu**, Dissertation, Georgia Institute of Technology
- Hannah Neroj**, Preliminary Exam, Georgia Institute of Technology
- Trevor J. Patten**, Master's Thesis, Georgia Institute of Technology
- 2025 **Yichen Tang**, Dissertation, Georgia Institute of Technology
- Na Liu**, Preliminary Examination, Georgia Institute of Technology
- 2024-pres **Angela H. Yoo**, Dissertation, Georgia Institute of Technology
- 2024 **Eunbee Kim**, Dissertation, Georgia Institute of Technology
- 2022 **Yifan Li**, Undergraduate Honors Thesis, Fordham University

Academic Service

- 2025-pres **Search Committee, Non-tenure Track Faculty I/O Psychology**, Georgia Institute of Technology
Grant Review Committee, Pilot Grants from Center of Excellence in Computational Cognition, Georgia Institute of Technology
- 2025 **Future of Psychology Faculty Focus Group**, Georgia Institute of Technology
Academic Grievance Committee, Georgia Institute of Technology
- 2024-pres **Steering Committee, Center for Excellence in Computational Cognition**, Georgia Institute of Technology
Curriculum Committee, Major in Computational Cognition, Georgia Institute of Technology
- 2023 **Award Committee, de Finetti Award**, European Association for Decision Making
- 2019-2020 **President, Fordham Council on Applied Psychometrics**, Fordham University
- 2018-2019 **Secretary, Fordham Council on Applied Psychometrics**, Fordham University

Ad Hoc Reviewing

Behavior Research Methods
Cognitive Research: Principles and Implications
Collective Intelligence
Decision
Decision Analysis
International Journal of Eating Disorders
International Journal of Forecasting
International Journal of Psychology
Journal of Behavioral Decision Making
Journal of Experimental Psychology: General
Journal of Experimental Psychology: Learning, Memory and Cognition
Journal of Experimental Social Psychology
Journal of Personality Disorders
Management Science
National Science Foundation: DRMS CAREER Award
National Science Foundation: SBE Postdoctoral Fellowship
Nature Human Behavior
Organizational Behavior and Human Decision Processes
PLOS: Computational Biology
Scientific Reports

Consulting

- 2023-pres **Research Consultant**, Forecasting Research Institute
- 2022 **Statistical Consultant**, Dr. Carolyn T. Dang, Pennsylvania State University
- 2020 **Statistical Consultant**, Dr. Casey L. Evans, Massachusetts General Hospital

Technical Skills & Software Proficiency

STATISTICAL PROGRAMMING

Fluent:

R, Stan

Conversant:

Python, SAS, MPlus, SPSS

SURVEY TOOLS

Qualtrics

DOCUMENT COMPOSITION

Microsoft Office, Google Docs, RMarkdown, LaTeX

References

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