

JOSHUA C. PETERSON

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EMPLOYMENT & EDUCATION

Princeton University

Department of Computer Science

Postdoctoral Research Associate, 2018 – current

University of California, Berkeley

Ph.D., Psychology, 2018

Thesis: *Leveraging deep neural networks to study human cognition*

Advisor: *Thomas L. Griffiths*

University of California, Davis

B.A., Cognitive Science, 2012

Service: *Creator of the major in cognitive science and first graduate*

Honors: *Magna Cum Laude*

Thesis: *Groove, enjoyment, and listening time in polyphonic music sequences*

Advisor: *Petr Janata*

Research: *Memory and Development (Ghetti) Lab, 2010-2011; Janata Lab, 2011-2012*

Folsom Lake College

A.A., General Education, 2010

A.S., Interdisciplinary Studies, 2010

Honors: *Valedictorian*

REPRESENTATIVE PUBLICATIONS

Peterson, J., Bourgin, D., Agrawal, M., Reichman, D., & Griffiths, T. (2021). Using large-scale experiments and machine learning to discover theories of human decision-making. *Science*, 372(6547), 1209-1214.

Peterson, J., Uddenberg, S., Griffiths, T., Todorov, A., & Suchow, J. (2022). Deep models of superficial face judgments. *Proceedings of the National Academy of Sciences*, 119(17), e2115228119.

Agrawal, M., **Peterson, J.**, Griffiths, T. (2020). Scaling up Psychology via Scientific Regret Minimization. *Proceedings of the National Academy of Sciences*, 117(16), 8825-8835.

Battleday, R.*, **Peterson, J.***, & Griffiths, T. (2020). Capturing human categorization of natural images at scale by combining deep networks and cognitive models. *Nature Communications*, 11(1), 1-14. * equal contribution

JOURNAL ARTICLES

10. Agrawal, M., **Peterson, J.**, Cohen, J. D., & Griffiths, T. (in press). Stress, Intertemporal Choice, and Mitigation Behavior During the COVID-19 Pandemic. *Journal of Experimental Psychology: General*.
9. Jha, A., **Peterson, J.**, Griffiths, T. (2023). Extracting low-dimensional psychological representations from convolutional neural networks. *Cognitive Science*, 47(1), e13226.
8. **Peterson, J.**, Uddenberg, S., Griffiths, T., Todorov, A., & Suchow, J. W. (2022). Deep models of superficial face judgments. *Proceedings of the National Academy of Sciences*, 119(17), e2115228119.
7. **Peterson, J.**, Bourgin, D. D., Agrawal, M., Reichman, D., & Griffiths, T. L. (2021). Using large-scale experiments and machine learning to discover theories of human decision-making. *Science*, 372(6547), 1209-1214.
6. Battleday, R. M., **Peterson, J.**, & Griffiths, T. L. (2021). From convolutional neural networks to models of higher-level cognition (and back again). *Annals of the New York Academy of Sciences*, 40, 1-24.
5. Agrawal, M., **Peterson, J.**, Griffiths, T. (2020). Scaling up Psychology via Scientific Regret Minimization. *Proceedings of the National Academy of Sciences*, 117(16), 8825-8835.
4. Battleday, R.*, **Peterson, J.***, & Griffiths, T. (2020). Capturing human categorization of natural images at scale by combining deep networks and cognitive models. *Nature Communications*, 11(1), 1-14. * equal contribution
3. **Peterson, J.***, Chen, D.*, & Griffiths, T. (2020). Parallelograms revisited: Exploring the limitations of vector space models for simple analogies. *Cognition*, 205, 104440. * equal contribution
2. **Peterson, J.**, Abbott, J., & Griffiths, T. (2018). Evaluating (and improving) the correspondence between deep neural networks and human representations. *Cognitive Science*, 42(8), 2648-2669.
1. Janata, P., **Peterson, J.**, Ngan, C., Keum, B., Whiteside, H., & Ran, S. (2018). Psychological and Musical Factors Underlying Engagement with Unfamiliar Music. *Music Perception: An Interdisciplinary Journal*, 36(2), 175-200.


PEER-REVIEWED CONFERENCE PAPERS

(conference papers are the primary form of publication in machine learning and computer vision)

16. **Peterson, J.**, Mancoridis, M., Griffiths, T. (Submitted). To each their own theory: Exploring the limits of individual differences in decisions under risk.
15. Grewal, K., **Peterson, J.**, Thompson, B., Griffiths, T. (2021). Exploring the Structure of Human Adjective Representations. *NeurIPS 2021 Workshop on Shared Visual Representations in Human & Machine Intelligence*.

14. Singh, P., **Peterson, J.**, Battleday, R., Griffiths, T. (2020). End-to-end Deep Prototype and Exemplar Models for Predicting Human Behavior. *Proceedings of the 42nd Annual Conference of the Cognitive Science Society*.
13. Jha, A., **Peterson, J.**, Griffiths, T. (2020). Extracting low-dimensional psychological representations from convolutional neural networks. *Proceedings of the 42nd Annual Conference of the Cognitive Science Society*.
12. **Peterson, J.***, Battleday, R.*, Griffiths, T., & Russakovsky, O. (2019). Human uncertainty makes classification more robust. *Proceedings of the IEEE International Conference on Computer Vision*.
11. Bourgin, D.*, **Peterson, J.***, Reichman, D., Griffiths, T., & Russell, S. (2019). Cognitive model priors for predicting human decisions. *Proceedings of the International Conference on Machine Learning*.
10. Grant, E., **Peterson, J.**, & Griffiths, T. (2019) Learning deep taxonomic priors for concept learning from few positive examples. *Proceedings of the 41st Annual Conference of the Cognitive Science Society*.
9. Agrawal, M., **Peterson, J.**, & Griffiths, T. (2019). Using machine learning to guide cognitive modeling: A case study in moral reasoning. *Proceedings of the 41st Annual Conference of the Cognitive Science Society*.
8. **Peterson, J.**, Suchow, J., Aghi, K., Ku, A., & Griffiths, T. (2018). Capturing human category representations by sampling in deep feature spaces. *Proceedings of the 40th Annual Conference of the Cognitive Science Society*.
7. **Peterson, J.**, Soulos, P., Nematzadeh, A., & Griffiths, T. (2018). Learning Hierarchical Visual Representations in Deep Neural Networks Using Hierarchical Linguistic Labels. *Proceedings of the 40th Annual Conference of the Cognitive Science Society*.
6. Suchow, J.*, **Peterson, J.*** & Griffiths, T.L. (2018). Learning a face space for experiments on human identity. *Proceedings of the 40th Annual Conference of the Cognitive Science Society*.
5. **Peterson, J.**, & Griffiths, T. (2017). Evidence for the size principle in se-mantic and perceptual domains. *Proceedings of the 39th Annual Conference of the Cognitive Science Society*.
4. Chen, D., **Peterson, J.**, & Griffiths, T. (2017). Evaluating vector-space models of analogy. *Proceedings of the 39th Annual Conference of the Cognitive Science Society*.
4. **Peterson, J.**, Abbott, J., & Griffiths, T. (2016). Adapting Deep Network Features to Capture Psychological Representations. *Proceedings of the 38th Annual Conference of the Cognitive Science Society*.

 **Computational Modeling Prize**

 **Sister Conference Best Paper**

3. Tang, S., **Peterson, J.**, & Pardos, Z. (2016). Deep Neural Networks and How They Apply to Sequential Education Data. *Proceedings of the 3rd Annual ACM Conference on Learning at Scale*.

2. Dubey, R. *, **Peterson, J.** *, Khosla, A., Yang, M., & Ghanem, B. (2015). What makes an object memorable? *Proceedings of the International Conference on Computer Vision*.

1. **Peterson, J.**, Pardos, Z., Rau, M., Swigart, A., Colin, G., & McKinsey, J. (2015). Understanding Student Success in Chemistry using Gaze Tracking & Pupillometry. *Proceedings of the Artificial Intelligence in Education Conference*.

MANUSCRIPTS & PREPRINTS

Plonsky, O., Apel, R., Ert, E., Tennenholtz, M., Bourgin, D., **Peterson, J.**, Reichman, D., Griffiths, T., Russell, S., Carter, E., Cavanagh, J., Erev, I. (2019). Predicting human decisions with behavioral theories and machine learning. *arXiv preprint arXiv:1904.06866*.

BOOK CHAPTERS

Tang, S., **Peterson, J.**, & Pardos, Z. (2017). Predictive modelling of student behaviour using granular large-scale action data. *The Handbook of Learning Analytics*, 223-233.

FEATURES OF MY WORK

Plonsky, O., & Erev, I. (2021). To predict human choice, consider the context. *Trends in Cognitive Sciences*, 25(10), 819-820.

Bhatia, S., & He, L. (2021). Machine-generated theories of human decision-making. *Science*, 372(6547), 1150-1151.

TALKS, PRESENTATIONS, & POSTERS

28. Speaker at The Shansby Marketing Seminar Series, Haas School of Business, UC Berkeley, 2022
Discovering theories with machine learning

27. Speaker at Stanford University, Department of Psychology, Colloquium, 2022
What can big data offer to psychologists?

26. Slaughter, J., Peterson, J., Jordan, M. C., & Cohen, D. (2021). Using Convolutional Neural Networks to Predict Human Judgments and Neural Representations. *Presented as a poster at the 2021 Leadership Alliance National Symposium (LANS)*.

25. Speaker at Workshop on Scaling Cognitive Science, CogSci 2020

Scaling choices and categories

<https://pushkin-consortium.github.io/cogsci-workshop>

24. Slaughter, J., Peterson, J., Jordan, M. C., & Cohen, D. (2020). Towards Using Convolutional Neural Networks to Predict Human Behavior and Neural Representations. *Presented as a poster at the 2020 Leadership Alliance National Symposium (LANS)*.

23. Speaker at Emerging Area of Research (EAR) workshop, IU Bloomington, May 17-18, 2019

Evaluating (and improving) the correspondence between deep neural networks and humans

<https://www.brainnetworkslab.com/ear-workshop-2019>

22. Agrawal, M., Peterson, J., & Griffiths, T. (2019). Understanding a Large Dataset of Moral Decisions Through Scientific Regret Minimization. *Presented as a talk at the 1st RLDM Workshop on Moral Decision Making*.

21. Peterson, J., Soulos, P., Nematzadeh, A., & Griffiths, T. (2019). Learning to generalize like humans using basic-level object labels. *Presented as a poster at the Vision Sciences Society conference, St. Pete, FL*.


20. Peterson, J., Aghi, K., Suchow, J.W., Ku, A., & Griffiths, T. (2018). Capturing human category representations by sampling in deep feature spaces. *Presented as a poster and workshop paper at the 6th International Conference on Learning Representations (ICLR), workshop track, in Vancouver, Canada*.

19. Peterson, J. C., Aghi, K., Suchow, J. W., Ku, A., Griffiths, T. (2018). Sampling from object and scene representations using deep feature spaces. *Presented as a poster at the Vision Sciences Society conference, St. Pete, FL*.

18. Suchow, J. W., Peterson, J. C., & Griffiths, T. (2018). A learned generative model of faces for experiments on human identity. *Presented as a talk at the Vision Sciences Society conference, St. Pete, FL*.

17. Speaker at Workshop on Deep Learning in Computational Cognitive Science, CogSci 2017
Comparing neural network representations to human behavior

16. Peterson, J., Abbott, J., & Griffiths, T. (2017). Adapting Deep Network Features to Capture Psychological Representations: An Abridged Report. *Presented as a poster and short paper at the 26th International Joint Conference on Artificial Intelligence*.

 **Sister Conference Best Paper**

15. Grant, E., Finn, C., Peterson, J., Abbott, J., Levine, S., Griffiths, T.L. & Darrell, T. (2017). Concept acquisition via meta-learning: Few-shot learning from positive examples. *Presented as poster and short paper at the Workshop on Cognitively Informed Artificial Intelligence at NeurIPS 2017*.

14. Peterson, J., Soulos, P., Nematzadeh, A., & Griffiths, T. (2017). Multi-level Classification: Implications for Human-like Generalization. *Presented as a poster and short paper at the Visually Grounded Interaction and Language Workshop at NIPS 2017, Long Beach, CA, USA*.

13. Battleday, R., Peterson, J., & Griffiths, T. (2017). Modeling human categorization of natural images using deep feature representations. *Presented as a poster at the 39th Annual Conference of the Cognitive Science Society.*
12. Peterson, J., Abbot, J. Battleday, R., Suchow, J. W. & Griffiths, T. L. (2017). Using large natural image datasets to study cognition. *Presented as a poster at the 58th Annual Meeting of the Psychonomic Society, Vancouver, Canada, November 2017.*
11. Peterson, J., Abbott, J., & Griffiths, T. (2016). Deep CNN features as a basis for modeling human representations. Talk at the *15th Workshop on Neural Computation and Psychology.*
10. Peterson, J., Abbott, J., & Griffiths, T. (2016). Deep CNN features approximate human psychological representations. *Representation Learning in Artificial and Biological Neural Networks Workshop at NIPS 2016.*
9. Palmer, S., & Peterson, J. (2016). Hierarchical Structure of Musical and Visual Meter in Cross-modal “Fit” Judgments. *Presented as a poster and short paper at the 14th International Conference on Music Perception and Cognition.*
8. Peterson, J., & Palmer, S. (2015). Emotionally mediated cross-modal correspondences affect classification performance. *Presented as a poster at the 37th Annual Meeting of the Cognitive Science Society, Pasadena, CA, July 2015.*
7. Dubey, R., Peterson, J., Ghanem, B., Yang, M., & Hsieh, P. (2015). Exploring the visual components that make an image memorable. *Presented as a poster at the 14th Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL, May 2015.*
6. Peterson, J., & Palmer, S. (2015). Emotion mediation in audio-visual correspondences among natural sounds, texture, and art. *Presented as a poster at the 14th Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL, May 2015.*
5. Langlois, T., Peterson, J., & Palmer, S. (2015). Relations among Visual Texture, Musical Features, and Emotion. *Presented as a poster at the 14th Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL, May 2015.*
4. Hatem, J., Peterson, J., Langlois, T., & Palmer, S. (2015). Texture-Color Associations in Non-synesthetes. *Presented as a poster at the 14th Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL, May 2015.*
3. Peterson, J., Langlois, T., & Palmer, S. (2014). The texture of musical sounds: Cross-modal associations from musical timbres and intervals to visual textures. *Presented as a poster at the 13th Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL, May 2014.*
2. Langlois, T., Peterson, J., & Palmer, S. (2014). Visual Texture, Music, and Emotion. *Presented as a poster at the 13th Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL, May 2014.*

1. Janata, P. & Peterson, J. (2013). On the determinants of listening time for novel musical excerpts. Society for Music Perception and Cognition. *Presented as a poster at the 13th International Conference on Music Perception and Cognition*, Toronto, CA, FL, August 2014.

PRESS

How Machine Learning is Transforming Psychological Science, 2022

APS Observer

Using deep learning to predict users' superficial judgments of human faces, 2022

techxplore.com/news/2022-04-deep-users-superficial-judgments-human.html

American Association for the Advancement of Science (AAAS), 2021

Machine Learning, Big Data Reveal New Theories of Human-Decision-Making

aaas.org/news/machine-learning-big-data-reveal-new-theories-human-decision-making

TechXplore, 2021

Using large-scale dataset experiments and machine learning to discover new theories of decision-making

techxplore.com/news/2021-06-large-scale-dataset-machine-theories-decision-making.html

Princeton University, 2021

To See Like a Human: The Quest After Aristotle's Holy Grail

cs.princeton.edu/news/to-see-like-a-human

New Scientist, 2019

AI learns to gamble illogically like humans to predict our behaviour

newscientist.com/article/2207324-ai-learns-to-gamble-illogically-like-humans-to-predict-our-behaviour/

TechXplore, 2019

Infusing machine learning models with inductive biases to capture human behavior

techxplore.com/news/2019-06-infusing-machine-inductive-biases-capture.html

UC Davis College of Letters and Science Magazine, 2018

New major spans disciplines to study how we think and learn

lettersandscience.ucdavis.edu/matter-mind

The California Aggie, 2012

Undeclared? Try a new interdisciplinary field

theaggie.org/2012/09/27/undeclared-try-a-new-interdisciplinary-field/

AWARDS, HONORS, & SCHOLARSHIPS

1st Place, Choice Prediction Competition (CPC), 2018

<https://arxiv.org/abs/1904.06866>

Sister Conference Best Paper, 26th International Joint Conference on Artificial Intelligence, 2017
<https://ijcai-17.org/sister-conf.html>

Computational Modeling Prize in Perception/Action Category (\$1000)

39th Annual Conference of the Cognitive Science Society 2016
<https://cogsci.mindmodeling.org/2016/pdfs/section0004.pdf>

Honorable Mention, National Science Foundation GRF, 2015

High Honors, UC Davis, 2012

H. & G. Smith Undergraduate Scholarship, UC Davis, 2010-2012

Dean's List, College of Letters and Science, UC Davis, 2010-2012

Entering Undergraduate Scholarship, UC Davis, 2010-2011

Parker Family Foundation Scholarship, UC Davis, 2010-2011

First Year Scholar Award, UC Davis, 2010

Valedictorian Honors, Folsom Lake College, 2010

Dean's List, Folsom Lake College, 2007-2010

Perry & Stella Scholarship, 2007

FELLOWSHIPS & GRANTS

Innovation Fund for New Ideas in the Natural Sciences (PI: Alex Todorov), Princeton U., 2019
SocialGAN: Generating infinitely many hyper-realistic faces with a simple web application

National Science Foundation Grant (PI: Thomas Griffiths), 2018
Leveraging Deep Neural Networks for Understanding Human Cognition

Mark R. Rosenzweig Graduate Fellowship, 2017

Institute of Cognitive and Brain Sciences Research Grant, UC Berkeley, 2015
Neural Mechanisms in Timbre-Color Synesthesia

TEACHING

Guest Lecture on Similarity and Generalization, UC Berkeley, 2016
Computational Models of Cognition

Graduate Student Instructor, UC Berkeley, 2016
Computational Models of Cognition

Graduate Student Instructor, UC Berkeley, 2015
Computational Models of Cognition

Graduate Student Instructor, UC Berkeley, 2014
Research and Data Analysis in Psychology

Graduate Student Instructor, UC Berkeley, 2013
Research and Data Analysis in Psychology

Graduate Student Instructor, UC Berkeley, 2012
Research and Data Analysis in Psychology

Undergraduate Teaching Assistant, UC Davis, 2011
Research Methods in Psychology

MENTEES & ADVISEES

Marina Mancoridis, Princeton University, 2022-current
Advised Research Project 2022
Advising Research Project 2023

Aditi Jha, Princeton University, 2019-2021
Supervised Graduate Class Research Project 2019
Supervised Graduate Class Research Project 2020
Advised Research Project 2021

Shanka Subhra Mondal, Princeton University, 2019-2021
Supervised Graduate Class Research Project 2019
Supervised Graduate Class Research Project 2020
Advised Research Project 2021

Pulkit Singh, Princeton University, 2019-2020
Supervised Undergraduate Senior Thesis
Outstanding Computer Science Senior Thesis Prize
Presented at Women in Machine Learning 2019 Workshop

Taylor Jean-Jacques*, Princeton University, 2019-2020
Supervised Undergraduate Senior Thesis
 * Underrepresented Minority

Sayeri Lala, Princeton University, 2019-2020
Supervised Graduate Class Research Project 2019
Supervised Graduate Class Research Project 2020

Zachary Abraham, Princeton University, 2019
Supervised Undergraduate Class Research Project

Simon Segert, Princeton University, 2019
Supervised Graduate Class Research Project

Shunyu Yao, Princeton University, 2019
Supervised Graduate Class Research Project

Sonia Murthy, Princeton University, 2018-2019
Supervised Undergraduate Senior Thesis

Ryan Chu, UC Berkeley, 2016
Supervised Undergraduate Research Project
 Harrison James Ramsay, UC Berkeley, 2016
Supervised Undergraduate Honors Thesis

Jose Isaac Hatem, UC Berkeley, 2015
Supervised Undergraduate Honors Thesis

Phillip Tran, UC Berkeley, 2014
Getting into Graduate School (GiGS) Mentor

John Naulty, UC Berkeley, 2014
Getting into Graduate School (GiGS) Mentor

SERVICE TO THE ACADEMIC COMMUNITY

4th Workshop on *Shared Visual Representations in Human and Machine Intelligence*, NeurIPS 2022
 Co-organized with Arturo Deza, Apurva Ratan Murty, and Thomas Griffiths
<https://www.svrhm.com/>

1st Workshop on *Human and Machine Decisions*, NeurIPS 2021
 Co-organized with Daniel Reichman, Kiran Tomlinson, Annie Liang, and Thomas Griffiths
<https://sites.google.com/view/whmd2021/>

3rd Workshop on *Shared Visual Representations in Human and Machine Intelligence*, NeurIPS 2021
 Co-organized with Arturo Deza, Apurva Ratan Murty, and Thomas Griffiths
<https://www.svrhm.com/>

2nd Workshop on *Shared Visual Representations in Human and Machine Intelligence*, NeurIPS 2020
 Co-organized with Arturo Deza, Apurva Ratan Murty, and Thomas Griffiths
<https://www.svrhm.com/>

1st Workshop on *Shared Visual Representations in Human and Machine Intelligence*, NeurIPS 2019
 Co-organized with Arturo Deza, Apurva Ratan Murty, and Thomas Griffiths
<https://www.svrhm2019.com/>

PsychologiCal Department Newsletter, UC Berkeley, 2013-2015
Writer, Layout Editor

Graduate Assembly for Students in Psychology (GASP), UC Berkeley, 2013-2014
Member

Graduate Assembly for Students in Psychology (GASP), UC Berkeley, 2013-2014
Web Developer

Getting into Graduate School (GiGS) Program, UC Berkeley, 2013-2014
Graduate Student Mentor

Getting into Graduate School (GiGS) Program, UC Berkeley, 2013-2014
Web Developer

Originator / Designer of Cognitive Science Major, UC Davis, 2010-2012

DATASETS

One Million Impressions (OMI) face dataset, Peterson et al. (2022)
<https://www.github.com/jcpeterson/omi>

Adjective Ratings from Grewal, K., Peterson, J., Thompson, B., Griffiths, T. (2021)
<https://osf.io/n934t>

Choices13k: Human Responses for 10,000 Risky Choice Problems, Peterson et al. (2021)
<https://github.com/jcpeterson/choices13k>

CIFAR-10H: 500k Human Categorization Judgments, Peterson & Battleday et al. (2020)
<https://github.com/jcpeterson/cifar-10h>

Human Analogy and Relational Similarity Dataset, Peterson, Dawn, & Griffiths (2020)
<https://github.com/sdawnchen/vector-space-analogy-analysis>

Ecological Concept Learning Dataset, Peterson, Dawn, & Griffiths (2019)
<https://github.com/eringrant/cogsci-2019-concept-learning>

Image Similarity Judgments Dataset from Peterson, Abbott, & Griffiths (2016)
<https://github.com/jcpeterson/percept2vec>

Object Memory Dataset from Dubey & Peterson et al., (2015)
<http://cocosci.princeton.edu/jcpeterson/objmem>

SOFTWARE

Human Risky Decision-Making (HURD) modeling toolkit
<https://github.com/jcpeterson/hurd>

OpenWebText: a tool for collecting large-scale natural language corpora
<https://github.com/jcpeterson/openwebtext>

VISUAL DEMONSTRATIONS

Generating hyper-realistic faces for use in vision science experiments

Presented with Jordan Suchow and Stefan Uddenberg at the VSS 2019 Demo Night
<https://www.visionsciences.org/2019-demo-night>

PATENTS

DATA-DRIVEN, PHOTOREALISTIC SOCIAL FACE-TRAIT ENCODING, PREDICTION, AND
MANIPULATION USING DEEP NEURAL NETWORKS, 2021

Alexander Todorov, Joshua Peterson, Stefan Uddenberg, Thomas Griffiths, Jordan Suchow

PRE-PATENT INVENTION DISCLOSURES

COGNITIVE MODEL PRIORS FOR PREDICTING HUMAN DECISIONS, 2020

Thomas Griffiths, Joshua Peterson, David Bourgin, Daniel Reichman

REFERENCES

Thomas L. Griffiths

Professor, Departments of Psychology and Computer Science, Princeton University

Henry R. Luce Professor of Information Technology, Consciousness, and Culture

`tomg@princeton.edu`

Alexander Todorov

Leon Carroll Marshall Professor of Behavioral Science, U. of Chicago Booth School of Business

Richard Rosett Faculty Fellow, University of Chicago Booth School of Business

`alexander.todorov@chicagobooth.edu`

Stephen E. Palmer

Professor Emeritus, Department of Psychology, University of California, Berkeley

`palmerse@berkeley.edu`

Michael C. Mozer

Research Scientist, Google Brain

Department of Computer Science, University of Colorado, Boulder

Institute of Cognitive Science, University of Colorado, Boulder

`mcmozer@google.com`

Olga Russakovsky

Assistant Professor, Department of Computer Science, Princeton University

Affiliated Faculty, Center for Statistics and Machine Learning, Princeton University

Affiliated Faculty, Center for Information Technology Policy, Princeton University

`olgarus@cs.princeton.edu`