

Thursday (7/26)

Breakfast Service for Meeting Attendees
 Lakeside Area

- BREAKFAST -
 (7:45-8:45)

SYMPOSIUM: Salon A	SESSION 1: Salon B	SESSION 2: Salon C
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Modern Markov Chain Monte Carlo

<i>session chair: Thomas Griffiths</i>			<i>session chair: Jun Zhang</i>			<i>session chair: Zygmunt Pizlo</i>		
9:00 - 9:25	De Freitas, Nando Modern Monte Carlo Methods	DeCarlo, Lawrence On Some Mixture SDT Models for Associative-Recognition		Pizlo, Zygmunt Traveling Salesman Problem in real and VR space				
9:25 - 9:50	De Freitas, Nando Modern Monte Carlo Methods (continued)	Jang, Yoonhee Testing the unequal-variance, dual-process, and mixture signal-detection models in yes/no and two-alternative forced-choice recognition		Kwon, Oh-Sang Pyramid model of the transfer of skilled movement				
9:50 - 10:15	Griffiths, Thomas Monte Carlo and the Mind	Zhang, Jun Causal Power: A New Look from Signal-Detection Framework		Helie, Sebastien Modeling the role of implicit processes in problem solving using a connectionist model				

- COFFEE BREAK -
 (10:15-10:30)

<i>session chair: Jay Myung</i>			<i>session chair: Angela Nelson</i>			<i>session chair: Ehtibar Dzhafarov</i>		
10:30 - 10:55	Kujala, Janne V. Sequential Monte Carlo for Bayesian Adaptive Estimation	Nelson, Angela A Contextual Diversity Account of Frequency Effects		Gao, Dashan Decision-theoretic visual saliency and its implications for pre-attentive vision				
10:55 - 11:20	Myung, Jay Optimizing Experimental Designs for Model Discrimination	Polyn, Sean The interaction of task context and temporal context in memory search		Yang, Cheng-Ta The decision process in change detection				
11:20 - 11:45	Rouder, Jeff Using Dispersion in Bayesian Hierarchical Models	Rao, Vinayak Contextual retrieval in semantic memory: Building semantic spaces with TCM		Dzhafarov, Ehtibar A New Geometry Of Subjective Stimulus Spaces				

Lunch Service for Meeting Attendees
 Lakeside Area

- LUNCH BREAK -
 (11:45-1:15)

JMP Editorial Board Meeting/Luncheon
 The Garden Room

fMRI Analysis & Modeling

<i>session chair: Zhong-Lin Lu</i>			<i>session chair: Scott Brown</i>			<i>session chair: Carter Butts</i>		
1:15 - 1:40	Lu, Zhong-Lin Introduction to MRI and fMRI	Ratcliff, Roger Evaluating the EZ Fitting Method for the Diffusion Model		Butts, Carter Likelihood-based Inference for Cycle Structure Bias in Cognitive Models of Social Interaction				
1:40 - 2:05	Dougherty, Robert Estimating Neural Response Functions with fMRI	Wagenmakers, Eric-Jan EZ does it?		Gal, Ya'akov Modeling Reciprocal Behavior in Bilateral Negotiation				
2:05 - 2:30	George, John Dynamic Functional Neuroimaging through Probabilistic Integration of Multiple Imaging Modalities	Brown, Scott Simpler still: The simplest complete model of choice RT so far		Vul, Edward Temporal selection is continuous and deterministic; Responses are probabilistic.				

- COFFEE BREAK -
 (2:30-2:45)

<i>session chair: Zhong-Lin Lu</i>			<i>session chair: Jerome Busemeyer</i>			<i>session chair: Adam Sanborn</i>		
2:45 - 3:10	Haxby, James Multivoxel pattern analysis: Methods for analysis of group data	Vandekerckhove, Joachim A Diffusion Model Account Of Practice In Lexical Decision		Sanborn, Adam Exploring the Subjective Probability Distributions of Natural Categories				
3:10 - 3:35	Serences, John Multivariate fMRI Investigations of Attention and Perceptual Decision Making	Pleskac, Timothy A Dynamic and Stochastic Theory of Choice, Response Time, and Confidence		Xu, Jing A Bayesian Analysis of Serial Reproduction				
3:35 - 4:00	Worsley, Keith Detecting Sparse Connectivity: The 'Bubbles' Task in the fMRI Scanner	Busemeyer, Jerome Quantum Information Processing Explanation for Interactions between Inferences and Decisions		Goodman, Noah A Rational Analysis of Rule-based Concept Learning				

- COFFEE BREAK -
 (4:00-4:30)

4:30
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5:30

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6:30

Plenary Speech:

Poster Session I:

	Kahana, Michael Associative Processes in Episodic Memory
	<i>authors and titles: see Poster Session I listing</i> location: Garden Room

Friday (7/27)

Breakfast Service for Meeting Attendees
 Lakeside Area

- **BREAKFAST** -
(7:45-8:45)

SYMPOSIUM: Salon A	SESSION 1: Salon B	SESSION 2: Salon C
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Complex Decision Making I

<i>session chair: J.Neil Bearden</i>			<i>session chair: Jonathan Barzilai</i>			<i>session chair: Daniel Cavagnaro</i>		
9:00 - 9:25	Bearden, J.Neil Searching for the Party	Barzilai, Jonathan The Applicability of Addition and Multiplication to Scale Values		Cavagnaro, Daniel Projection of a Medium				
9:25 - 9:50	Erev, Ido Learning, Risk Attitude, and Hot Stoves in Partially Observable Markov Environments	Broomell, Stephen Decomposing Inter-Judge Correlation		Hsu, Yung-Fong A media-theoretical semiorde model of persuasion with an application to panel data				
9:50 - 10:15	Lee, Michael A Hierarchical Bayesian Account of Human Decision-Making Using Wiener Diffusion	Klein, Krystal Cross-Situational Statistical Word Learning Tasks: Modeling Overt Responses and Eye Movement Data		Davelaar, Eddy Extending the conflict-monitoring hypothesis				

- **COFFEE BREAK** -
(10:15-10:30)

<i>session chair: J.Neil Bearden</i>			<i>session chair: Richard Schweickert</i>			<i>session chair: Kyler Eastman</i>		
10:30 - 10:55	Stankiewicz, Brian Using Partially Observable Markov Decision Processes to Understand Human Sequential Decision Making with Uncertainty	Schweickert, Richard Factors Selectively Influencing Processes in Multinomial Processing Trees		Montenegro, Maximiliano Generalized Context Model as a locally neighborhood based classifier				
10:55 - 11:20	Baker, Chris Action Understanding as Inverse Probabilistic Planning	Hu, Xiangen Statistical Closure of MPT Models under Parameter Constraints		Kujala, Janne V. A principle for child-friendly adaptation in learning games				
11:20 - 11:45	Shebilske, Wayne A Model-Driven Instructional Strategy: The Benchmarked Experiential System for Training (BEST)	Purdy, Brendan P. A context-free language for binary multinomial processing tree models		Eastman, Kyler Optimal Weighting of Speed and Accuracy in a Sequential Decision-Making Task				

Lunch Service for Meeting Attendees
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- **LUNCH BREAK** -
(11:45-1:15)

JMP Executive Board Meeting/Luncheon
 The Garden Room

Complex Decision Making II

<i>session chair: Zygmunt Pizlo</i>			<i>session chair: Christoph Weidemann</i>			<i>session chair: Jack Yellott</i>		
1:15 - 1:40	Cook, William Traveling Salesman Problem	Pratte, Michael Modeling participant and item effects in the theory of signal detection		Sawada, Tadamas Detecting symmetry in perspective images				
1:40 - 2:05	Cook, William Traveling Salesman Problem (continued)	Weidemann, Christoph Decisional noise as a source for violations of Signal Detection Theory		Yellott, Jack Precorrecting spatial phase reversals in visual stimuli destined for defocus				
2:05 - 2:30	Stege, Ulrike On Computational Models for Updating Rational Belief Systems	Van Zandt, Trish Temporal Contexts in Choice Response Time		Li, Yunfeng A Bayesian model of 3D shape reconstruction involving symmetry, planarity and compactness constraints				

- **COFFEE BREAK** -
(2:30-2:45)

<i>session chair: Zygmunt Pizlo</i>			<i>session chair: Roger Ratcliff</i>			<i>session chair: Marc Howard</i>		
2:45 - 3:10	Haxhimusa, Yil Solving the Euclidean TSP in the Presence of Input Errors	Ratcliff, Roger Modeling Confidence Judgments in Recognition Memory		Howard, Marc Vector spaces in the brain: Multivariate neural responses as a step toward physical models of memory				
3:10 - 3:35	Murphy, Ryan O. An Admissions Problem: Selecting a portfolio of risky binary options	Batchelder, William Modeling Free Recall Order Data		Van Vugt, Marieke Distinct electrophysiological correlates of proactive and similarity-based interference in visual working memory				
3:35 - 4:00	Smith, Cole Network Design Under Varying Enemy Behaviors	Huber, David A Stochastic Judgment Model of Recall: Separating Measurement, Memory, and Correlation		Murdock, Bennet Update on the TODAM Working Memory model for serial-order effects				

- **COFFEE BREAK** -
(4:00-4:30)

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New Investigator Speech:

Poster Session II:

Wagenmakers, Eric-Jan Current Developments in the Modeling of Response Times and Accuracy Using the Ratcliff Diffusion Model
<i>authors and titles: see Poster Session II listing</i> <i>location: Garden Room</i>

Saturday (7/28)

Breakfast Service for Meeting Attendees
 Lakeside Area

- BREAKFAST -
 (7:45-8:45)

SYMPOSIA: Salon A	SESSION 1: Salon B	SESSION 2: Salon C
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Computational Models of Language

<i>session chair: Michael Jones</i>		<i>session chair: Richard Shiffrin</i>		<i>session chair: Michael Lamport Commons</i>	
9:00 - 9:25	Landauer, Thomas Fundamental Issues in Modeling Language		Kim, Woojae Understanding the Connectionist Modeling of Quasiregular Mappings in Reading Aloud		Commons, Michael Lamport Comparing Rasch Scaled Stage Scores of Items from Five Instruments to Their Hierarchical Complexity and to Each Other: One Scale or Many?
9:25 - 9:50	Jones, Michael Bridging semantic representation and associative memory theory		Shiffrin, Richard Model selection with few observations		Lin, Anli Standard Error Analysis with Bootstrap and IRT Model
9:50 - 10:15	Yu, Chen Hypothesis Testing and Associative Learning in Cross-Situational Word Learning: Are They One and the Same?		Smith, Jared Effects of Misspecification in Hierarchical modeling		Xi, Johanna Zipf Distributions of Characters in Dreams

- COFFEE BREAK -
 (10:15-10:30)

<i>session chair: Michael Jones</i>		<i>session chair: Richard Golden</i>		<i>session chair: Michel Regenwetter</i>	
10:30 - 10:55	Dennis, Simon A syntagmatic approach to syntactic representation: Extracting dependency and constituency information from corpora		Golden, Richard Theorems Supporting Statistical Inference for Possibly Misspecified Models in the Presence of Missing Data		Birnbaum, Michael Transitivity of Preference in Individuals
10:55 - 11:20	Perfors, Amy Hierarchical phrase structure and poverty of the stimulus: A Bayesian approach		Heathcote, Andrew State-Trace Analysis of the Face Inversion Effect		Regenwetter, Michel Testing Transitivity of Preferences: A Status Report
11:20 - 11:45	Steyvers, Mark Google and the mind: Predicting fluency with PageRank		Iverson, Geoffrey Test statistics, p-values and Bayes Factors		Davis-Stober, Clinton Ternary Choice Data and Order Polytopes

Poster Session I

Dunlop, Joseph	Combined bootstrap and DISTATIS as a reliability measure for multivariate analysis: a neuroimaging example
Kim, Woojae	Model Selection with Data under Individual Differences
Messner, William	Evaluating the Priority Heuristic: A Comparison of Decision Making Models
O'Brien, Jeffrey	The P-rep Statistic as a Measure of Confidence in Model Fitting
Robinett, Terri	Mathematical Support for Kohlberg's Moral Stage Theory: Applying a Model of Hierarchical Complexity and Rasch Analysis
Ross, Sara	The Fractal Nature of Stage Change: A Model and Transition Data
Shaoul, Cyrus	Optimizing HAL parameter space for predicting linguistic behavior.
Thomas, Robin	Exploring different decision models of the uncertainty discrimination paradigm within the signal detection framework
Tian, Xing	Geometric measures in electrophysiology: Spatial similarity and response magnitude
White, Corey	Emotional Processing and Dysphoria: A Diffusion Model Analysis
Yoshida, Michiko	Modeling children's and adults' prosodic-cue perception for compound word ambiguity resolution
Zeigenfuse, Matthew	A Bayesian graphical modeling approach to additive clustering

Poster Session II

Buck, Cara	Target priming effects in the Eriksen flanker task
Hemmer, Pernille	The Effect of Prior Knowledge on Memory for Events
LaMuth, John	A Psycho-Linguistic Model for Behavioral Ethics
Lin, Anli	Equating Designs Comparison: Matched-Sample versus Common-Person Design
Miller, Jonathan	Clustering by spatial proximity during memory search
Nizami, Lance	A hidden limit and some latent flaws of published versions of the Green/deBoer Signal Detection Theory model of the difference limen for white noise
Pantelis, Peter C.	Why are some faces' names easier to learn than others? The effects of similarity on memory for face-name pairs
Park, Joonkoo	Sensorimotor Locus of Neuronal Buildup Activity in Monkey Lateral Intraparietal (LIP) Area During a Choice Reaction-Time Task
Purcell, Braden	External and internal validity comparisons of three statistical analysis methods for sorting data using Munsell colors and personality traits
Rieth, Cory	Classification images from noise only trials: A comparison between face and letter detection
Schmittmann, Verena	Flexibility and generalizability of learning models embodying both all-or-none and incremental learning assumptions
Silbert, Noah	Independence in perception of complex non-speech sounds