



ICMC

INTERNATIONAL
CHOICE MODELLING
CONFERENCE

7th ICMC
Reykjavík, Iceland
23 to 25 May 2022

Conference programme

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Dear friends

It is our great pleasure to welcome you to the seventh International Choice Modelling Conference.

Reykjavík 2022 follows on from two conferences in the UK (2009 and 2011), Sydney (2013), Austin, Texas (2015), Cape Town (2017) and Kobe (2019). And as Iceland sits on both the Eurasian and North American tectonic plates, we can say that this marks the first time that ICMC has been held on two continents at the same time! When we announced Iceland as the venue during the closing session of the Kobe conference, there was great excitement and we hope many of you are able to experience this beautiful country.

Of course, when we took the quite conscious decision to organise the conference without much (or any) local support, we hadn't anticipated having to do so remotely due to Covid19 restrictions. After a year of enforced delays, we are now finally here, and we are delighted to again see many returning delegates as well as a large group of new attendees.

Despite continuing uncertainty, we received a record number of submissions for the conference, with a final set of delegates coming from 24 different countries covering all inhabited continents, again highlighting the global nature of choice modelling.

This opening message is also tinged with sadness as we have lost two leading figures and great supporters of ICMC since Kobe.

A.A.J. (Tony) Marley passed away on 9 July 2021. Tony was actively collaborating with several of us until his death, trying to help us bridge the gap between mathematical psychology and choice modelling, and as those of you present at the closing ceremony in Kobe may remember, Tony was listed as a member of the scientific committee for the Reykjavík conference.

Jordan Louviere passed away on 8 May 2022. Jordan's contributions are too numerous to list. He will be remembered for his key work on stated preference techniques, including best-worst scaling, as well as his sharp mind (and tongue) when commenting on other people's work ("We've known this/been doing this for 25 years!"). Jordan was also the chair of ICMC 2011.

Tony and Jordan will be fondly remembered at Reykjavík 2022.

As repeat attendees will know, a key mission of ICMC is to encourage the breaking down of barriers between fields. With this in mind, we have again purposefully sought to avoid clustering papers by field of research. The methodological papers should be of interest to delegates from across disciplines. But the same goes for applied work. Many of us have gained crucial insights and developed new ideas by listening to presentations from outside our area.

A big thank you as always to our pool of reviewers who played a crucial role in selecting the diverse and high quality set of papers included in the programme. Also, a very special thank you to our conference sponsors, Evidera, SurveyEngine and Ngene. We invite you all to attend the Evidera session on Patient preferences in health care decision making, which will take place 5:45PM-6:45PM in Rima A on 24 May, where job opportunities will also be discussed. Similarly, from 7PM to 11PM on 24 May, you are invited to food and drinks on the water at Iðnó Culture House, a fun evening with colleagues sponsored by SurveyEngine and Ngene where Ben White, Ludwig Butler, Michiel Bliemer, and John Rose will present a major advance in experiment design.

In closing, a big welcome back to the many of you have attended previous ICMC conferences, and a very special welcome to new members of the iCMC family.

Stephane & Erlend



Conference chairs



Stephane Hess



Erlend Dancke Sandorf

	Monday, 23 May	Tuesday, 24 May	Wednesday, 25 May
08:00 08:30	registration		
08:30 09:00	opening plenary session		
09:00 09:30	keynote: Vic Adamowicz	parallel session 4	keynote: Emily Lancsar
09:30 10:00			break
10:00 10:30	break	break	
10:30 11:00			parallel session 8
11:00 11:30	parallel session 1	parallel session 5	
11:30 12:00			lunch
12:00 12:30	lunch		
12:30 13:00			parallel session 9
13:00 13:30	parallel session 2	parallel session 6	
13:30 14:00			break
14:00 14:30	break		
14:30 15:00	parallel session 3	parallel session 7	parallel session 10
15:00 15:30			
15:30 16:00	welcome reception at Harpa	Evidera sponsored session	
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22:30 23:00			
		SurveyEngine / Ngene reception	conference dinner at Whales of Iceland

Monday, 23 May

Kaldalón

Ríma A

Ríma B

Visa

Stemma

Session 1: opening plenary (Kaldalón)		Session 2.A		Session 2.B		Session 2.C		Session 2.D		Session 2.E	
Keynote presentation: Vic Adamowicz Environmental Valuation, Stated Preference, and the "Credibility Revolution"											
break											
09:00-09:30	Tomas Rossetti and Ricardo Daziانو	Dietmar Bauer, Sebastian Büscher and Lennart Oelschläger	Henrik Andersson, Arne Risa Hole and Jan-Erik Svärth	Keishi Fujiwara, Varun Varghese, Makoto Chikaraiishi, Takuya Maruyama and Akimasa Fujiwara	Malte Oehlmann, Matthias Staudigel and Jutta Roosen						
09:30-10:30	Preferences for COVID-19 testing: The effect of perceived risk of false diagnosis and pandemic attitudes (paper #96)	Stephane Hess	Determinants for the efficiency loss due to using a composite marginal likelihood for estimating a probit model in the panel setting (paper #104)	Does WTP for transport safety vary by mode? (paper #171)	Heterogeneous preferences and response to sugar tax regimes – The case of breakfast cereals in Germany (paper #234)						
10:30-11:00	Understanding preferences for COVID-19 vaccination: results from a unique longitudinal stated choice study covering 18 countries across 6 continents (paper #1)	Tao Feng, Junyi Zhang and Makoto Chikaraiishi	Modeling the multiple ordered choice of correlated alternatives based on context dependence and copula approach: A case study for companies' choice of innovative energy facilities (paper #229)	Ewa Zawojńska, Bartosz Juszyński and Aleksandra Wiśniewska	Maximiliano Lizana, Charisma Choudhury and David Watling						
11:00-11:30	What matters more in a pandemic: lives or jobs? (paper #10)	Melvin Wong, Silvia Varotto and Michel Bieriare	Unimodal Ordered Logit: A utility-correction discrete choice model to capture correlations of sequential ordered responses (paper #108)	Welfare inequality for discrete choices (paper #226)	Benefit transfer for performing arts using stated choice models: Evidence for validity and reliability (paper #184)		Modelling mobility profiles of public transport passengers during the pandemic of COVID-19 using smart card data (paper #206)				
12:00-12:30	Cost non-attendance in stated choice experiments: a think-aloud approach (paper #29)	Georges Steir, Filipe Rodrigues and Maya About Zaid	Analysing complex decision-making from a data-driven perspective: using machine learning methods for Participatory Value Evaluation (paper #112)	Welfare analysis when income and prices are included in discrete choice models (paper #259)	Do indirect questions exert a debiasing effect on answers to direct questions? Evidence from a DCE (paper #287)		Caroline Winkler, Raphael Mesanic and Kay Axhausen What have you been up to? Using two years of panel GPS data to investigate time use during the COVID-19 pandemic in Switzerland (paper #70)				
12:30-13:30	Information processing in stated preference surveys: A case study on urban gardens (paper #62)	Malte Welling, Jens Rommel and Julian Sagebiel	Gaussian Process Latent Class Choice Models (paper #219)	Lunch		Roberta Raffaelli and Sandra Notaro		Session 3.E			
13:30-14:00	Cost non-attendance in stated choice experiments: a think-aloud approach (paper #29)	Andrea Wunsch, Jürgen Meyerhoff and Katrin Rehdanz	Jose Ignacio Hernández, Sander van Cranenburgh, Niek Mouter and Caspar Chorus	Welfare inequality for discrete choices (paper #226)	Welfare analysis when income and prices are included in discrete choice models (paper #259)		Samson Yaekob Asselle, Michel Meulders and Martina Vandebroek		Julie Agnew, Hazel Bateman, Christine Eckert, Fedor Iskhakov, Jordan Louviere and Susan Thorp Who Pays the Price for Bad Advice?: The Role of Financial Vulnerability, Learning and Confirmation Bias (paper #11)		
14:00-14:30	Information processing in stated preference surveys: A case study on urban gardens (paper #62)	Malte Welling, Jens Rommel and Julian Sagebiel	Gaussian Process Latent Class Choice Models (paper #219)	Preferences for online grocery shopping during the COVID-19 pandemic – the role of concern and attitudes towards crowding (paper #12)	Welfare analysis when income and prices are included in discrete choice models (paper #259)		The value of consideration data in a discrete choice experiment (paper #102)		Lachlan Cameron and Jemimah Ride Using a Discrete Choice Experiment to Understand Online Gambling Choices (paper #40)		
14:30-15:00	Information processing in stated preference surveys: A case study on urban gardens (paper #62)	Erlend Dancke Sandorf, Tobias Börger, Danny Campbell, Romain Crastes Dit Sourd, Mikolaj Czajkowski, Stephane Hess, Jette Bredahl Jacobsen, Søren Baye Olsen, Henrik Lindhjem, Petr Maríel and Jürgen Meyerhoff	Exploring random taste heterogeneity in choice modelling using mixture density network (paper #245)	Car choice in Norway and Italy. A comparison of car drivers' preferences and attitudes via a hybrid mixed choice model (paper #163)	Welfare analysis when income and prices are included in discrete choice models (paper #259)		Modelling consideration heterogeneity in a two-stage conjunctive model. (paper #126)		Ariel Gu and Hong Il Yoo Investor Preferences and Overpricing of Lottery-Like Stocks: Evidence from a Choice Experiment (paper #151)		
15:00-15:30	Nailing down fat tails in choice experiments with cheap talk scripts and opt-out reminders (paper #88)	Tobias Börger, Klaus Glenk, Jürgen Meyerhoff and Katrin Rehdanz	Ordinal GBM: Ordinal Gradient Boosting Machine for modelling ordered choices (paper #249)	Understanding Individual's Non-Domestically Cooked Meal Preference Using an Integrated and Joint Choice-Count Model (paper #168)	Women's labour market participation and its link with attitudes towards gender roles in the family (paper #165)		Choice set generation for large-scale cycling networks (paper #174)		Jacqueline Arriagada, Angelo Guevara and Marcela Muniaga Evaluating practical approaches for building the consideration set in route choice modeling using smart card data from a large-scale public transport network (paper #213)		
15:30-16:00	Nailing down fat tails in choice experiments with cheap talk scripts and opt-out reminders (paper #88)	Tobias Börger, Klaus Glenk, Jürgen Meyerhoff and Katrin Rehdanz	Ordinal GBM: Ordinal Gradient Boosting Machine for modelling ordered choices (paper #249)	break		break					

	Session 4.A	Session 4.B	Session 4.C	Session 4.D	Session 4.E
16:00-16:30	Subodh Dubey, Oded Cats, Serge Hoogendoorn and Prateek Bansal A Multinomial Probit Model with Choquet Integral and Attribute cut-off (paper #139)	Sandra Notaro and Konstantinos Hadjichristidis Contextual priming: A psychological factor influencing the formation of preferences in discrete choice experiments (paper #115)	Aemiro Melkamu Daniel, Job Van Exel and Caspar Chorus Self-interest, positional concerns and distributional considerations in healthcare choices (paper #71)	Fatemeh Naqavi, Marcus Sundberg, Anders Karlström and Oskar Blom Västberg Exchangeability in Generalized Nested Logit Models (paper #178)	Max Gardner and Paul Waddell Numerical Analysis of Error due to Sampling of Alternatives in Logit-Based Demand Forecasting Models with Massive Choice Sets (paper #281)
16:30-17:00	Aupal Mondal and Chandra Bhat Investigating Residential Built Environment Effects on Rank-Based Modal Preferences and Auto-Ownership (paper #132)	Gloria Amaris, Stepan Vesely and Stephane Hess A choice modelling analysis of pro-environmental behaviour spillover (paper #6)	Michał Bylicki, Ewa Zawojcka and Krystian Łukasik How much is online privacy worth? Valuation of personal data shared with the main platform providers - the case of Poland (paper #76)	Emma Lucken, Jessica R. Lazarus, Susan A. Shaheen and Joan L. Walker Estimating block diagonal covariance matrix to quantify impacts of microtransit services before and during COVID-19 (paper #260, presenting remotely)	Sebastian Astroza, Adrián Flores and Daniela Robles Understanding accessibility to education from the offer-side: spatial-rings analysis in Santiago, Chile. (paper #277)
17:00-17:30	Rico Krueger and Ricardo A Daziano Stated choice analysis of preferences for COVID-19 vaccines using the Choquet Integral (paper #75)	Daniel Engler, Gunnar Gutsche, Sophia Möller and Andreas Ziegler What information nudges investors to invest sustainably? (paper #215)	Nicholas Smeele, Caspar Chorus, Bas Donkers, Maartje Schermer and Esther de Bekker-Grob Toward data-driven choice models for moral choice analysis: helpful or harmful? (paper #183)	Diego Fuentetaja and C. Angelo Guevara On the distance target-competitor, susceptibility, and valuation of decoys to influence public transport choices (paper #237)	Nicolò Daina, Francesco Manca and Aruna Sivakumar Exploring Participation Choice in App-based Residential Demand Response (paper #264)

Tuesday, 24 May

Kaldalón		Ríma A		Ríma B		Visa		Stemma	
Session 5.A		Session 5.B		Session 5.C		Session 5.D		Session 5.E	
09:00-09:30	Rico Krueger, Michel Bierlaire, Thomas Gasos and Prateek Bansal Robust discrete choice models with t-distributed kernel errors (paper #61)	Hajime Watanabe and Takuya Maruyama A Bayesian instrumental variable model for multinomial choice with correlated alternatives (paper #194)	Malte Welling, Ewa Zawojka and Julian Sagebiel Information, sequentiality and credibility in stated preference surveys: A choice experiment on climate adaptation (paper #49)	Arash Kalatian, Charisma Choudhury, Ed Manley and Peter Baudains Modelling the drivers of shifts in occupation during the Covid-19 pandemic using passive mobility data sources (paper #272)	Eric Molin, Jorge Quesada, Sihyun Yoo, Kees Maat and Bert van Wee Is holiday destination a positional good? (paper #16)	Thomas O. Hancock, Charisma F. Choudhury, Joan Walker and Stephane Hess	Roel Faber, Sebastiaan Thoen, Marco Kouwenhoven, Maarten Kroesen and Eric Molin	Bartosz Jusypenko, Mikolaj Czajkowski and Ben White	
09:30-10:00	Quantum choice models leap out of the laboratory: capturing real-world behavioural change. (paper #208)	Thomas E Guerrero B., C. Angelo Guevara, Juan de Dios Ortúzar and Elisabetta Cherchi	Mohammed Hussien Alemu, Søren Boye Olsen and Jesper Sølvner Schou	How consequential is consequentiality? Testing impacts of survey sequentiality in an environmental Stated Choice Experiment. (paper #216)	Determining the effect of COVID-19 on the value of travel time using a panel design (paper #230)	Chandra Bhat	Eline Van Den Broek-Altenburg, Jamie Benson, Adam Atherly and Stephane Hess	Margrethe Aanesen, Mikolaj Czajkowski, Henrik Lindhjem and Ståle Navrud	
10:00-10:30	A New Closed-Form Multiple Discrete-Count Extreme Value (MDCNEV) Model (paper #131)	David Bunch, Debapriya Chakraborty and David Brownstone	Tomas Badura, Jan Urban, Silvia Ferrini and Davina Vačkařová	How important is payment consequentiality? Comparing real, probabilistic, and hypothetical choice experiments in a context of ecosystem restoration (paper #285)	Drivers of Health Disparities and Consequences for COVID-19 Vaccine Choices: Modelling Health Preference Heterogeneity among Underserved Populations (paper #181)			Measuring social acceptance of aquaculture expansion in Norway – A choice modelling approach (paper #204)	
10:30-11:00				break					
11:00-11:30	Francisco J. Bahamonde-Birke and C. Angelo Guevara Cue Which rubber duck makes the best decoy? Considering the decoy effect on the basis of different behavioral theories (paper #48)	Jasper Tjaden, Ulf Liebe and Davide Bruscoli	Masahiro Araki, Giancarlo Parady and Kiyoshi Takami Deterministic Annealing EM algorithm to Estimate Latent Class Model: An Application to Evacuation Behavior in the Great East Japan Earthquake in 2011 (paper #200)		A comparison of designs of two-attribute VTTSP-experiments and implications for future studies (paper #221)			Context-aware Bayesian choice models (paper #158)	
11:30-12:00	Aemiro Meikamu Daniel, Niek Mouter and Caspar Chorus Approximating altruistic motivations underlying preferences for public health policies using risk perception metrics (paper #72)	Taisei Yoshioka, Makoto Chikarashi and Akimasa Fujiwara	Aaditya Bhamidipati and Rahul T M Systematic analysis of measurement errors in discrete choice models – A hybrid choice modelling approach (paper #164)		Discrete choice experiment versus swing-weighting: A head-to-head comparison (paper #119)			Big data and privacy: How does inverse Discrete Choice Modelling socio-demographic enrichment performs with respect to quality and level of aggregation in the data (paper #159)	
12:00-12:30	John Rose, Antonio Borriello and Andrea Pellegrini Formative versus Reflective Attitude Measures: Extending the Hybrid Choice Model (paper #81)	Nathalie Picard and Guillaume Chapelle	Sebastian Büscher and Dietmar Bauer Weighting strategies for pairwise composite marginal likelihood estimation in case of unbalanced panels and unaccounted autocorrelation of the errors (paper #109)		Daisuke Fukuda, Makoto Chikarashi, Shinji Nakagawa and Tsuyoshi Ono			Public transport route choice modelling: Identification of bias when using smart card data (paper #246)	
12:30-13:30				Lunch					

Session 7.A		Session 7.B		Session 7.C		Session 7.D		Session 7.E	
13:30-14:00	Joel Fredriksson and Anders Karlström	Seheon Kim and Soora Rasouli	Arash Kalatian, Fangting Song and Charisma Choudhury	Faical Akaichi and Klaus Glenk	Katherine Asmussen and Chandra Bhat				
	A Discrete Choice Model - Analyzing non-linear contributions to predictive performance (paper #263)	Modelling the impacts of COVID-19 measures on activity-travel behavior in the Netherlands: A MDCEV framework (paper #45)	Using social media data to investigate perceptions towards autonomous vehicles around the world (paper #280)	Towards greater transparency in selecting cost vectors for discrete choice experiments in the context of food choice (paper #84)	On Modeling Workplace Location Decisions in a Post-COVID Future (paper #128)				
14:00-14:30	Kimia Kamal and Bilal Farooq	David Palma, Stephane Hess, Joseph Molloy and Kay Akhausen	Shuwei Lin, Chiara Calastri and Stephane Hess	Stanislaw Laniewski, Mikolaj Czajkowski, Maciej Sobolewski and Marek Giergiczny	Mohammadjavad Javedinasr, Ehsan Rahimi, Ramin Shabanpour, Ali Shamshiripour, Nima Golshani and Abolfazl Mohammadian				
	Interpretable Deep Neural Networks for Ordered Choices (paper #133)	Using the extended Multiple Discrete Continuous model to predict kilometres travelled by mode (paper #192)	Modelling joint activity engagement: exploring the influence of the characteristics of social network members (paper #267)	Cost Levels Anchoring in Discrete Choice Experiments (paper #189)	The Dynamics of Online Grocery Shopping During the Covid-19 Pandemic: Evidence from Chicago (paper #110)				
14:30-15:00	Ioanna Arkoudi, Carlos Lima Azevedo and Francisco Pereira	Jai Malik, David Bunch and Giovanni Circella	Milad Ghasri, Alireza Abbasi and Akshay Vij	Wojciech Zawadzki and Ewa Zawojcka	Xiatian Iogansen, Jai Malik, Nicholas Johnson and Giovanni Circella				
	Interpretable Embeddings for Representing Categorical Variables within Discrete Choice Models (paper #252)	Evolving Trends in Telecommuting and Commute Mode Use during the COVID-19 Pandemic: An Extended Hidden Markov Modelling Approach with an MDCEV Kernel (paper #253)	Evolution of Willingness-to-Pay for Driverless Cars Based on Social Media Sentiments (paper #117)	Anchoring on the first task in a discrete choice experiment: A comparative study for willingness-to-pay and willingness-to-accept measures (paper #201)	Investigating the Factors Associated with Household Vehicle Ownership Change during the COVID-19 Pandemic (paper #235)				
15:00-15:30	Sander Van Cranenburgh	Sangram Nirmale, Abdul Pinjari and Partha Chakraborty	Michael Maness and Trang Luong	Julian Sagebiel, Christoph Schulze, Mikolaj Czajkowski, Jens Rommel, Bettina Matzdorf, Katarzyna Zagorska and Wojciech Zawadzki	Gloria Amaris, Fangqing Song, Chiara Calastri, Stephane Hess, Matthew Beck, Mark Züdgeest, Roger Behrens, Hazviniel Tsitsi Tamuka Moyo and Julián Arellana				
	Data requirements for learning functional relationships using artificial neural networks (paper #3)	Multi-vehicle anticipation based discrete-continuous choice modelling framework to model drivers' latent intents and two-dimensional movement in heterogeneous disordered traffic conditions (paper #231)	A Testable Latent Variable Framework for Outcomes of Social Capital Mobilization (paper #282)	Bid-vector and elicitation format effects in incentive-compatible contingent valuation (paper #243)	A multi-country panel study of behaviour, attitudes and expectations during the COVID-19 pandemic (paper #239)				
15:30-16:00	David Meester, John Buckell and Thomas O'Hancock	Mehek Biswas and Abdul Pinjari	Khatun Zannat, Charisma Choudhury, Stephane Hess and Juan-Antonio Carrasco	Alastair Shipman, Aruna Shivakumar, Panagiotis Angeloudis, Yiannis Demiris and Ahmadrza Faghhi-Imani	Gabriel Pereira Caldeira and Cassiano Augusto Isler				
16:00-16:30	Extensions of Decision Field Theory: application to health economics, taste heterogeneity, and decision rule heterogeneity (paper #7)	The use of pooled SP-RP choice data to simultaneously identify variability in alternative attributes and random coefficients on those attributes (paper #55)	Heterogeneity in activity participation: A comparative analysis of Multinomial logit model (MNL) and multiple discrete-continuous choice model (MDCEV) (paper #250)	Perceived safety and road-crossing decisions in response to traditional and autonomous vehicles across desktop and virtual reality paradigms (paper #101)	Spatial dependency in Random Regret Minimization models: an application to travel mode choice in Global South (paper #236)				
16:30-17:00	Flora Gautheron, Jean-Charles Quinton and Annique Smedling	Anna Bartczak, Wiktor Budzinski, Ulf Liebe and Jurgen Meyerhoff	Luis A. Guzman, Julián Arellana Ochoa, Andrea Carolina Dominguez and Olga Lucia Sarmento	Amir Davatgari, Afshin Allahyari, Sina Asgharpour, Ehsan Rahimi, Kourous Mohammadian and Joshua Auld	Peter King, Martin Dallimer, Thomas Lundhede, Gail Austen, Jess Fisher, Katherine Irvine, Robert Fish and Zoe Davies				
	A computational model to account for conflict in moral and nonmoral decisions (paper #64)	Distributive justice in payments for air quality improvement: a study combining factorial survey and choice experiment data (paper #66)	Time use decisions after a new cable car implementation (paper #283)	Investigating Characteristics of Adoption and Usage Frequency of E-scooters: Case of Chicago (paper #135)	Spatio-temporal heterogeneity in preferences for woodland biodiversity (paper #134)				
17:00-17:30	Stephane Hess, Thomas O. Hancock, Charisma Choudhury, Faisal Mushiataq and Mark Mon-Williams	Marco Kouwenhoven, Gerard de Jong, Gijss van Eck, Jasper Willigers, Sebastian Thoen and Larissa Eggers	Raphael Mesaric, Caroline Winkler, Joseph Molloy and Kay W. Akhausen	Hyewon Namgung, Makoto Chikarashi and Akimasa Fujiwara	Malte Welling, Jette Bredahl Jacobsen, Søren Bøye Olsen and Thomas Lundhede				
	Using a mathematical representation of brain processes to explain choices: introducing the free energy principle to mainstream choice modelling (paper #286)	A model of demand for cars in The Netherlands based on data from the person, household and vehicle registers (paper #94)	How did the Swiss population adapt their activity time use and timing behavior during the COVID-19 pandemic? An analysis of GPS tracking data with MDCEV models (paper #74)	Capturing people's perceived safety under a new transport environment with V2V and V2I communications based on a comparison of real and virtual experiences (paper #220)	Distance decay in quantity based policy changes: evidence from a choice experiment on urban green (paper #89)				
17:30-17:45	break								
17:45-18:45	Session 8.A								
19:00-23:00	Session 8.B								
	break								
	Session 8.C								
	break								
	Session 8.D								
	break								
	Session 8.E								
	break								
	Session 9: Sponsored session: Sebastian Heidenreich and Chiara Whichello (Rima A)								
	Patient preferences in health care decision making: applications and career opportunities @ Evidera								
	Sponsored Event by SurveyEngine and Ngene; Ben White, Michiel Bliemer, Ludwig Butler, John Rose								

Wednesday, 25 May

Kaldalón

Ríma A

Session 10: Keynote presentation: Emily Lancsar (Kaldalón)

Ríma B

Visa

Stemma

Session 11.A		Session 11.B		Session 11.C		Session 11.D		Session 11.E		
break		break		break		break		break		
09:00-10:00	Petr Marriel and Alaitz Artabe	Panagiotis Tsoileridis, Stephane Hess and Charisma Choudhury	Debapriya Chakraborty, David Brownstone and David Bunch	Patrick Bigler and Doina Radulescu	Katlynn Sandstrom and Frank Lupi					
10:00-10:30	<i>Simulation based method for the identification of non-trading behaviour in stated choice studies (paper #8)</i>	<i>Accounting for distance-based correlations among alternatives in the context of spatial choice modelling using high resolution mobility data (paper #56)</i>	<i>Choice of vehicle technology and its usage - Joint analysis of the choice of plug-in electric vehicles and miles traveled (paper #145)</i>	<i>Welfare, Redistributive and Revenue Effects of Policies Promoting Fuel Efficient and Electric Vehicles (paper #27)</i>	<i>Comparing Water Quality Valuation Across Probability and Non-Probability Samples (paper #25)</i>					
11:00-11:30	Stephanie Fernandez Permett and Julian Arellano Ochoa	Rui Yao and Shlomo Bekhor	Stephen McCarthy, Anders Karlström and Oskar Blom Västberg	Jeppe Rich, Mikkel Thorhaug and Stefan Mabit	Yui Chi Edwin Lo and Duncan Knowler					
	<i>Disentangling choice behavior using eye-tracking and self-report questionnaires (paper #278)</i>	<i>Route choice set generation using variational autoencoders (paper #18)</i>	<i>Activity duration dependent utility in a dynamic scheduling model (paper #170)</i>	<i>Long-distance charging behaviour and range anxiety: An adaptive choice design approach (paper #105)</i>	<i>Are green flood management strategies preferred by residents of the Northern Territories in Hong Kong: a Stated Preference Approach (paper #197)</i>					
11:30-12:00	Gabriel Nova, Angelo Guevara Cue and Stephane Hess	Basil Schmid, Joffre Swait, Habtamu T. Kassahun, Michiel C. J. Bliemer, Thomas Schatzmann, Caroline Winkler and Kay W. Axhausen	Yan Feng and Dorine Duives	Ayelet Davidovitch, Rotem Izak, Paul Kishimoto, Anat Tchetchik and Vered Blass	Silvia Ferrini, Gaetano Grilli, Tomas Badura, Alessandra La Notte and Kerry Turner					
	<i>In-depth, Breadth-first or Both? Toward the Development of a RUM-DIF Discrete Choice Model (paper #228)</i>	<i>Endogenous choice set formation model: Implications on willingness-to-pay indicators (paper #93)</i>	<i>Modelling pedestrian route and exit choice in a multi-story building (paper #256)</i>	<i>Modelling Behavior of Consumers Preferences for Alternative Fuel Vehicles and its Energy Demand Implication at the National Level (paper #173)</i>	<i>What is the value of EU habitat and species maintenance policy? From model results to policy uses (paper #127)</i>					
12:00-12:30	Erlend Dancke Sandorf, Danny Campbell and Caspar Chorus	Nicolas Salvadó, Tom Haering, Janody Pougala, Tim Hillel and Michel Bierlaire	Roderick Zhang and Bilal Farooq	Anant Atul Visaria, Anders Fjendbo Jensen, Mikkel Thorhaug and Stefan Mabit	Keila Meghinis, Nick Hanley, Robert Johnston, Tom Ndebele, Tobias Böjger and Ali Sijal					
	<i>Satisficing and a new interpretation of alternative specific constants (paper #41)</i>	<i>Representing mode and location choice within activity-based models (paper #224)</i>	<i>Using Choice Modelling to Develop Interpretable and Actionable Vehicular Greenhouse Gas Emission Prediction at Link-Level (paper #279)</i>	<i>User preferences for EV charging, pricing schemes, and charging infrastructure (paper #247)</i>	<i>Where are pollution reductions most valued? A transboundary choice experiments study for the UK and US (paper #26)</i>					
12:30-13:30	Lunch		Lunch		Lunch		Lunch		Lunch	
	Session 12.A	Session 12.B	Session 12.C	Session 12.D	Session 12.E					
13:30-14:00	Andrea Pellegrini, Riccardo Scarpa, Ginevra Lombardi and John Rose	Qingyi Wang, Shenhao Wang, Joan Walker and Jinhua Zhao	Sander van Cranenburgh, Jürgen Meyerhoff, Katrin Rehdanz and Andrea Wunisch	Mads Paulsen, Mirosława Lukawska, Thomas Rasmussen and Mogens Fosgerau	Carl Berry and Maria Börjesson					
	<i>A model of recreational demand with non-parametric representations of consumers' heterogeneity: A case study of forest recreation sites in Italy (paper #23)</i>	<i>Deep hybrid model with urban imagery: How to combine demand modeling and autoencoder to analyze travel behavior? (paper #274)</i>	<i>Utility maximisation vs regret minimisation in stated choice experiments: Does the design matter? (paper #69)</i>	<i>A link-based bicycle perturbed utility route choice model for Copenhagen (paper #123)</i>	<i>Modelling the joint choice of car ownership and use on income and fuel price: A panel data approach (paper #44)</i>					
14:00-14:30	Fiore Tinessa, Vittorio Marzano, Fulvio Simonelli and Andrea Papola	Felipe Souza, Cira Pitombo, Gerard de Jong and Luiz Lucas	Mario Becerra and Peter Goos	Adrian Meister, Matteo Felder and Kay W. Axhausen	Arash Kalatjian, Fangqing Song, Thomas O. Hancock and Charisma Choudhury					
	<i>Individual posterior evaluations of tastes, mathematical form of disutility, substitution pattern and distribution of random terms with latent class structures (paper #114)</i>	<i>Port choice analysis in Brazil: a comparison between discrete choice models and machine learning algorithms (paper #36)</i>	<i>Bayesian D- and I-optimal designs for choice experiments involving mixtures and process variables (paper #225)</i>	<i>Route choice modelling of cyclists on large-scale networks. (paper #169)</i>	<i>Accounting for the global heterogeneity in attitudes and perceptions towards new alternatives in mode choice models (paper #262)</i>					
14:30-15:00	Ávaro A. Gutiérrez-Vargas, Michel Meulders and Martina Vandebroek	Giovanni Tuveri, Francesco Piras, Eleonora Sottile and Italo Meloni	Samson Assese, Michel Meulders and Martina Vandebroek	Oliver Becker, Jürgen Meyerhoff and Robert Atlinghaus	Antonin Danalet, Matthias Balmer, Andreas Justen and Nicole A. Mathys					
	<i>On the power of a simple multivariate test for the distribution of random coefficients in logit models (paper #121)</i>	<i>Using discrete choice models and machine learning approaches to compute the value of travel time: a comparative analysis (paper #38)</i>	<i>Sample size calculations for discrete choice experiments using design features (paper #211)</i>	<i>Choice set formation in disaggregated spatial environments: An application to freshwater recreation in Germany (paper #150)</i>	<i>Forecasting home-based telecommuting in 2050 (paper #148, presenting remotely)</i>					
15:00-15:30	Romain Crastes Dit Sourd	Teodóra Szépl, Sander Van Cranenburgh and Caspar Chorus	Danny Campbell and Erlend Dancke Sandorf	Abhish Chandra Singh and Aruna Sivakumar	Prateek Bansal and Rubal Dua					
	<i>A new shifted log-normal distribution for mitigating 'exploding' implicit prices in mixed multinomial logit models (paper #153)</i>	<i>Moral profiles in Discrete Choice Models: a Natural Language Processing approach (paper #21)</i>	<i>Statistical efficiency versus plausibility in stated choice designs (paper #17)</i>	<i>Semi-compensatory probabilistic model for residential location choices (paper #191)</i>	<i>Fuel consumption elasticities and feedback effectiveness in India and China (paper #137)</i>					
15:30-16:00	break		break		break		break		break	

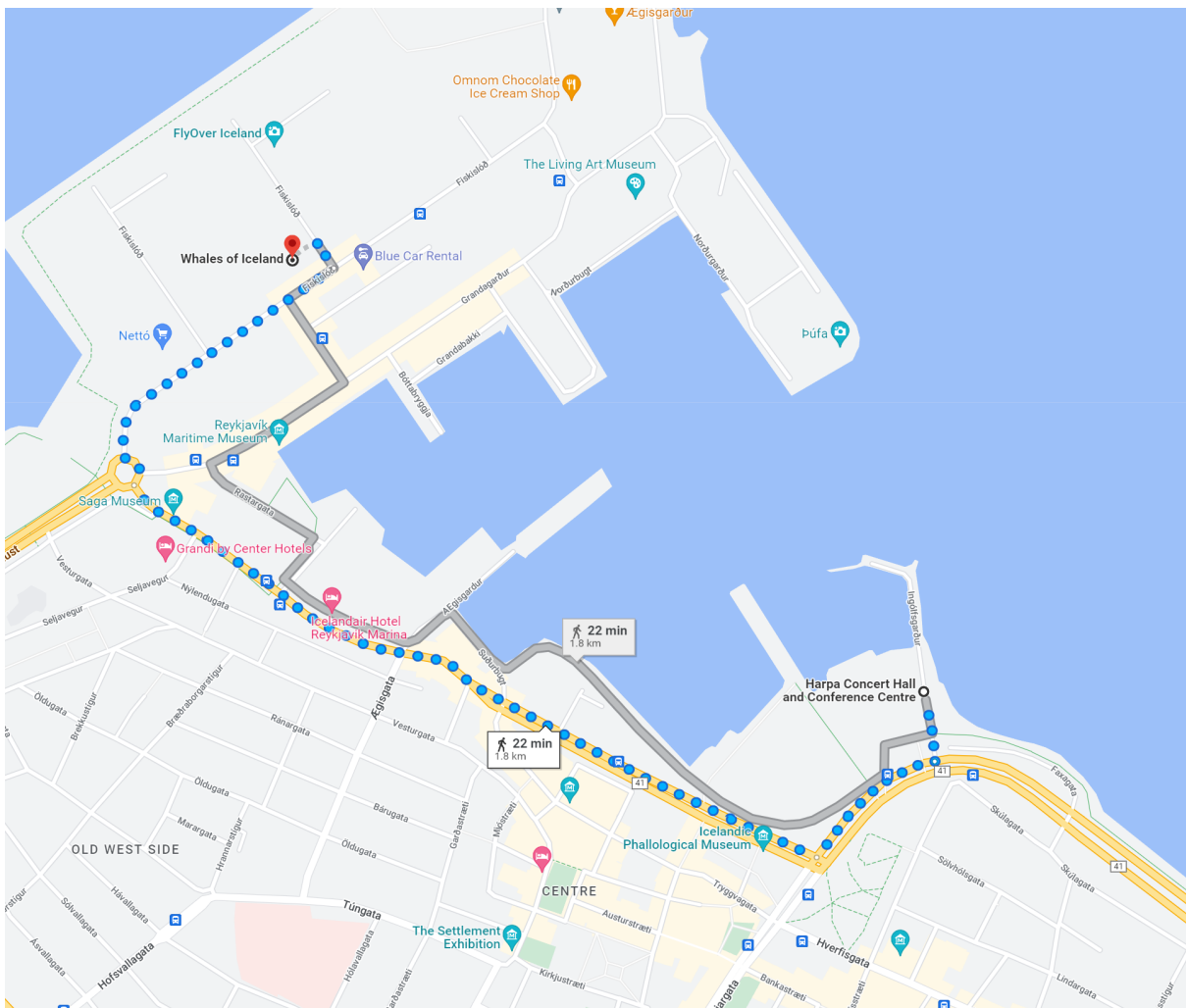
	Session 13.A	Session 13.B	Session 13.C	Session 13.D	Session 13.E
16:00-16:30	<p>Jack Pawlak, Ahmadreza Faghhi Imani and Aruna Sivakumar</p> <p>Modelling the demand side response (DSR) to energy price signals using the MDCEV approach (paper #152)</p> <p>Katarzyna Zagórska, Mikolaj Czajkowski, Wojciech Zawadzki, Wiktor Budziński, Blazej Poplawski, Olimpia Markiewicz, Bettina Matzdorf, Christoph Schulze, Jens Rommel, Julian Sagebiel, Lenny van Bussel, Matěj Opatrný and Milan Ščasný</p> <p>Does accounting for discrete-continuous choices matter? A case study of farmers' preferences for practice- vs. result-based agri-environmental-climate measures (paper #90)</p> <p>David Palma, Rodrigo Heldt and Rodrigo Tapia</p> <p>Estimating customer, product, and brand expected value using multiple discrete-continuous extreme value (MDCEV) models (paper #187)</p>	<p>Bianca Ryseck, Mark Zuidgeest, Roger Behrens and Stephane Hess</p> <p>Investigating Passenger Information Needs for Hybrid Public Transport Network Journey Planning (paper #33)</p> <p>Luis A. Guzman, Julián Arellano Ochoa, Victor Cantillo and Olga L. Sarmiento</p> <p>Evaluating the effects of social capital on travel behaviour: modelling the choice of a new cable car in Bogotá (paper #95)</p> <p>Andrew Bwambale, Chinebuli Uzundu, Farzana Rahman, Paul Mukwaya, Mohaimanul Islam, Zahara Batool and Zia Wadud</p> <p>User willingness to pay for COVID-19 mitigation measures in public transport and paratransit in developing economies: Evidence from Uganda and Bangladesh (paper #268)</p>	<p>Filipe Rodrigues</p> <p>Scaling Bayesian inference of mixed multinomial logit models to very large datasets (paper #140)</p> <p>Pim Labea, Soora Rasouli and Seheon Kim</p> <p>Heterogeneity in inter-episode intervals for discretionary activities: covariate-dependent finite-mixture models (paper #222)</p> <p>Thomas O. Hancock, Stephane Hess and Charisma F. Choudhury</p> <p>Is your model the best? Mitigating risk through averaging across different analysts' competing models. (paper #207)</p>	<p>Anna Bartczak, Wiktor Budziński, Anna Nicińska and Natalia Starzykowska</p> <p>The valuation of benefits from health risk reduction in three-generation households – the role of reciprocity (paper #214)</p> <p>Eline Van Den Broek-Altenburg, Jamie Benson and Kristen DeStigter</p> <p>Patient Preferences for Diagnostic Imaging Services: Blueprint for Value-Based Incentives Incorporating Individual Preference Heterogeneity (paper #177)</p> <p>Sebastian Heidenreich, Myrto Trapali, Tommi Tervonen and Andrea Phillips-Beyer</p> <p>Two methods one story? Using multidimensional thresholding and a best-worst choice experiment to elicit physicians' preferences for the medical management of subarachnoid haemorrhage (paper #15)</p>	<p>Daniel Engler, Gunmar Gutsche and Andreas Ziegler</p> <p>Is there a hypothetical gap in experiments on the willingness to pay for sustainable funds? (paper #223)</p> <p>Balba Pudaňe, Fatima-Zahra Debbaghi, Maarten Kroesen and Caspar Chorus</p> <p>Are These Responses Simple or Simplified? Recognising Low Commitment in a Survey on Daily Schedule Changes with Automated Vehicles (paper #167)</p> <p>Ewa Zawojcka, Mikolaj Czajkowski and Wiktor Budziński</p> <p>Using inferred valuation to disentangle cognitive biases in stated-preference discrete choice experiments (paper #111)</p>
16:30-17:00					
17:00-17:30					



Conference dinner
Wednesday 25 May 2022, 7PM onwards

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PER YEAR

Our Mission

We are committed to optimizing patient access by generating and communicating evidence of value, effectiveness, and safety to inform healthcare decision making.

Meaningful Work at Every Level

We are committed to optimizing patient access by generating and communicating evidence of value, effectiveness, and safety to inform healthcare decision making.

Work and People That Matter

We keep patients at the center of everything we do because we know our work makes a difference by delivering life-changing therapies. We also know that to deliver the highest quality work, we must foster the highest quality employees, including offering:

- Competitive compensation packages & flexible working opportunities
- Business Resource Groups to foster diversity, inclusion, and camaraderie
- Internships to provide experience with real-world impact
- Career opportunities that foster leadership and growth

About Evidera's Patient Preference Team

With almost 30 team members throughout North America and Europe, Evidera's patient preference team is the largest and fastest growing in the industry. Our Patient Preference team supports sponsors in their aspiration of carrying the patient voice into health care decision making, including the development of preference-based target product profiles, patient-centric benefit-risk assessments for regulatory submissions, health technology assessments, and post-launch stakeholder engagement. The team has extensive experience in both classical preference instruments (e.g., discrete choice experiments) as well as multi criteria decision analysis (e.g., thresholding, swing-weighting). To continue the advancement of patient preference research, various members of the preference team have taken up leadership roles in cross-industry initiatives (e.g., ISPOR, ISOQOL). Members of Evidera's patient preference team benefit from a brown bag seminar series with internal and external speakers, multiple training opportunities, participation in conferences, and individual specific personal development opportunities.

About Different Roles in Evidera's Patient Preference Team

Principal Investigator (Research Scientist & Senior Research Scientist)

Our principal investigators in Evidera's patient preference team have the oversight over projects and lead multiple studies that support sponsors in their vision to reflect patients' voices in health care decision making. A successful principal investigator has extensive knowledge of best-practice in designing and conducting stated preference studies, understands how preference research can be used to support key decisions along the entire lifecycle of medicinal products (incl., early stage, regulatory, health technology assessment, post-launch), and is experienced in leading fast-pathed projects that are delivered by a diverse team. Evidera's principal investigators also make important applied and methodological contributions to health preference research as a whole, by collaborating in cross-industry initiatives, presenting at conferences, and publishing in peer-reviewed journals.

Scientific Project Manager (Research Associate III & Senior Research Associate)

Scientific project managers are leading scientists in Evidera's patient preference team. They are responsible for drafting study protocols, statistical analysis plans, study reports, and manuscripts. They are also the primary contact for study sponsors, ensure projects moves forward, work closely with research associates, function as mentors to more junior colleagues, and manage the work in line with the intended project scope. Being a scientific project manager in Evidera's patient preference team is an exciting, fast-pathed, and challenging opportunity that brings together science and team management. Beyond the project work, scientific project managers contribute to cross-industry initiatives, conferences, and publications in peer-reviewed journals.

Research Associate

Being a research associate in Evidera's patient preference team is an exciting opportunity for early career researchers who aim to learn about how patients' voices can be systematically reflected in health care decision making. Research associates work independently on elementary project tasks, such as the initial drafting of proposals, surveys, protocols, slide decks, and reports. They work with data analysts, conduct qualitative interviews with patients, contribute to the qualitative analysis of interview transcripts, participate in think-aloud studies that aim to refine preference instruments, and work with subcontractors to ensure high-quality and timely delivery of survey programming, interview scheduling, and recruitment. Research associates benefit from close collaborations with and support from the scientific project manager.

Online DCE Software

- 100% browser based
- Easy to use survey builder
- Integrated experiments (DCE, Max-Diff etc)
- Rich customisable experiment layout
- Mobile-ready for respondents
- Pre-launch bot simulation
- GDPR compliant data collection
- Fine grained quota management
- One click MNL modelling
- Randomisation and stratification controls

Free for approved non-commercial use.
Licenses from 90€ per month.

Research Services

- Managed projects
- Global sample sourcing
- Hard to reach sample
- Expert research & choice consulting
- Qualitative studies
- Multi-lingual studies & translations
- Online and traditional focus groups
- Moderation & transcription services
- Regulatory compliance support
- Custom technical development
- Mobile app data collection
- Custom decision support systems

Features in Early Access

- Ngene design generation
- Apollo model builder
- Global server locations
- Integrated respondent sample
- Decision support creation

Contact earlyaccess@surveyengine.com for information on the programme.

Join us at IDNÓ on Tuesday evening for the launch party to see the features and join the early access programme.



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A powerful software tool to generate experimental designs for choice experiments, used by researchers, consultants, and students in more than 70 countries around the world.

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Key features:

- Flexible scripts allow choice experiments of any size
- Easy copy-and-paste of designs to Excel or import into survey instruments
- Creates orthogonal or efficient designs that capture maximum information
- Automatically avoids dominant alternatives
- Allows imposing a wide range of attribute level constraints to increase realism
- Can optimise designs in the presence of reference alternatives, scenario variables and socio-demographics, and much more

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NEW → Ngene version 2 (desktop)

- Cross-platform (Windows & MacOS)
- All new user-interface
- All new manual
- Improved design generation algorithms
- More flexible design specification
- Easier scripting ... and much more

NEW → Ngene in SurveyEngine (cloud)

- One integrated solution for conducting choice experiments
- Build your web-based choice experiment in SurveyEngine
- Automatically generate an experimental design with Ngene
- Cloud-based service, no scripting required



Please come to our booth at ICMC and tell us about the features that you would like to see in Ngene



A flexible and powerful free open-source R package for choice modelling

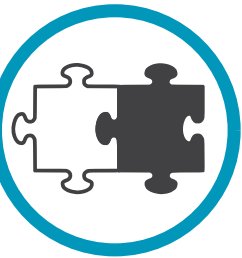
R package for Choice Modelling

Apollo is distributed as a package for R, the widely used free software environment for statistical computing, available across multiple operating systems. Apollo can be used for data processing, model estimation, and analysis and plotting of results.



Simple modular structure

Clear, standardised script structure makes it easy to estimate both simple and complex multi-piece models, such as hybrid choice, or code new models from scratch.



Free

Free for academic, private and commercial use (GPL2 license).

€0.00

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Runs on personal computers, workstations or High Performance Computing environments.



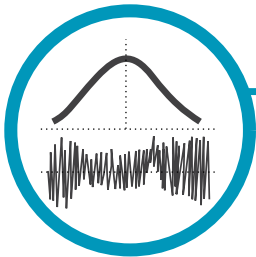
User community and support

Apollo has a detailed manual, a large number of examples, and an active community forum, all available at www.ApolloChoiceModelling.com.



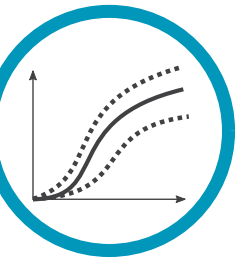
Classical & Bayesian

Both Classical (Maximum Likelihood) and Bayesian estimation available for all models.



Forecasting and post-processing

Forecasting (with confidence intervals) and conditionals available for all pre-coded models.



Multiple pre-coded models

Multinomial, nested, cross-nested, ordered, exploded and fractional logit. Random Regret minimisation. Multiple-discrete-continuous. Mathematical psychology models. Hybrid choice models. Random heterogeneity can be included for all models, using continuous mixing or latent class.

