Niccolò Pescetelli, Ph.D.

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Media Lab
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Current

Media Lab, Massachusetts Institute of Technology
Postdoctoral Associate. Advisor: Iyad Rahwan
IARPA Hybrid Forecasting Competition: experimental design, collective decisions, statistical analysis, human-machine forecasting.
BeeMe: https://beeme.online, platform for crowd-controlled decision-making.

Education

University of Oxford
D.Phil., Experimental Psychology, 2017. Advisor: Nick Yeung.
Subject: Cognitive Sciences, Decision-Making, Metacognition
École Normale supérieure & UPMC
M.Sc., Brain and Mind Science, 2012-2013. Advisor: Stan Dehaene.
UCL
M.Sc., Brain and Mind Sciences, 2011-2012.
Advisor: Bahador Bahrami. *Distinction*
Universtà degli Studi di Padova
B.Sc., Cognitive and Psychobiological Sciences, 2008-2011.
Advisor: Luciano Gamberini. *Summa Cum Laude*

Dissertation

"On the Use of Metacognitive Signals to Navigate the Social World"
My thesis explored how subjective uncertainty monitoring and internal metacognitive signals are used in social contexts to learn in the absence of external objective feedback.

Teaching

Experimental Psychology, University of Oxford
Tutor, "Memory, Attention and Information Processing", 2015-2017

Awards and Fellowships

Clarendon Scholarship, University of Oxford
2013-2016
Christ Church College - Dept. of Exp. Psychology joint Award
2013-2016
Highest graded thesis of the cohort
M.Sc. Brain and Mind Sciences (UCL - 2012)

Training

Residential Workshop on Bayesian Cognitive Modeling
University of Amsterdam 2015. Instructors: M. Lee and E.J. Wagenmakers

Programming

Python, Matlab, R, NetLogo

Languages and Skills

Italian (native), English (fluent), French (conversation).
Latex, Statistics, Behavioural Testing, Experimental Methods and Design.

Publications

Pescetelli, N., Yeung N. Calibration and accuracy detection in social partners in the absence of objective feedback. (in prep.)

Pescetelli, N., Yeung N. Real-time uncertainty update during interactive and non-interactive social exchange. (in prep.)

King J.R.*, **Pescetelli N.***, Dehaene S. (2017) Brain mechanisms underlying the brief maintenance of seen and unseen sensory information. *Neuron.* 92(5):1122-1134 (*equal contribution)

Rosenberg, L.B., & **Pescetelli, N.** (2017). Amplifying prediction accuracy using Swarm A.I. *2017 Intelligent Systems Conference (IntelliSys)*, 61-65.

Rosenberg, L., Pescetelli, N., & Willcox, G. (2017). Artificial Swarm Intelligence amplifies accuracy when predicting financial markets. *2017 IEEE 8th Annual Ubiquitous Computing, Electronics and Mobile Communication Conference (UEMCON)*, 58-62.

Pescetelli N., Rees G., Bahrami B. (2016) The perceptual and social components of metacognition. *Journal of Experimental Psychology: General.* 145(8):949-965

Rosenberg, L.B., Baltaxe, D., & **Pescetelli, N.** (2016). Crowds vs swarms, a comparison of intelligence. *2016 Swarm/Human Blended Intelligence Workshop (SHBI)*, 1-4.

Media

MIT is giving you control of a real person on Halloween in a dystopian game that sounds like an episode of 'Black Mirror' (2018) *Business Insider*

MIT invites you to control a human on Halloween (2018) *BBC*

MIT Lets Public Control Actor In Halloween Experiment - What Could Possibly Go Wrong? (2018) *Forbes*

#TechTuesday: College Students Create Social Experiment to Control a Human (2018) *WTNH News8*

MIT experiment let internet users control a human (2018) *CBC*

MIT is letting the internet control a real person for Halloween. What could possibly go wrong? (2018) *ABC*

Inteligencia artificial Controla a una persona en tiempo real. Es Halloween (2018) *El Pais*

How Can You Tell If Someone's Lying? A.I. Study Sees Truth in a Face (2017) *Inverse*