Tobias Morville
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https://tmorville.github.io/

Education

2010 - 2013	**M.Sc. in Economics**, *University of Copenhagen*.
	o Masters thesis on a model of choice using reinforcement learning.
2006 - 2010	**B.Sc. in Economics**, *University of Copenhagen*.
	o Bachelor thesis on econometric time-series modelling.

Academia

Nov 14 -	**Ph.D. Student**, *University of Copenhagen*.
	o Ph.D. in computational neuroscience.
Oct 12 - Nov 13	**Research Assistant**, *Danish Research Centre for Magnetic Resonance*.
	o Analysis of behavioural data while working on my masters thesis.

Research stays

Aug 15 - Feb 16	**London Mathematical Laboratory**, *Dr. Ole Peters*.
	o Training in statistical physics and information theory.
Nov 14 - Feb 16	**The Francis Crick Institute**, *Professor Denis Burdakov*.
	o Design of optogenetic experimental regime.
Aug 15 - Feb 16	**University College London**, *Professor Karl Friston*.
	o Attended weekly theoretical neurobiological meetings in Karl Fristons group.

Teaching

Feb 14 - Jul 14	**TA, Neuroimaging Foundations**, *University of Copenhagen*.
	o A mixture of basic math and statistics made concrete through programming in Matlab and made meaningful by philosophy of science.
Dec 12 - Jul 13	**External lecturer and supervisor**, *Metropolitan University College*.
	o A short course on basic statistics, supervision on bachelor thesis level.

Training

Special training

Aug 16	**Summer School on semi-supervised learning**, *DTU*.
	o Introduction to supervised, semi-supervised and unsupervised learning.
Jun 15	**Complex Systems Summer School**, *Santa Fe Institute*.
	o Introduction to a broad array of scientific fields within complexity research. Research project: *Free Energy in Statistical Physics, Information Theory and beyond*.

P.hD. courses

Neuroimaging Foundations, *University of Copenhagen, DRCMR* .

Neuroimaging Basics, *University of Copenhagen, DRCMR* .

The Emotional Brain, *University of Copenhagen, CIMBI* .

Statistical Parametric Mapping, *University of Copenhagen, DRCMR* .

Writing

Peer reviewed

May 16 **Tuning the Brake While Raising the Stake: Network Dynamics during Sequential Decision-Making**, *Journal of Neuroscience.*

In review

Dec 16 **Four Fallacies in the Pursuit of Gambling**, *Plos ONE: Economics.*

Working papers

Homeostatic Control Theory, *P.hD. Thesis.*

The Homeostatic Logic of Reward.

Phenotyping Losers.

Conference abstracts

May 16 **Decision-making and the Dynamics of Death**, *The 38th International Symposium of the Groupe de recherche sur le système nerveux central (GRSNC).*

Nov 15 **The Homeostatic Logic of Reward**, *Society for Neuroscience.*

Jul 14 **The Homeostatic Logic of Reinforcement Learning**, *Workshop on Information Theoretic Incentives for Artificial Life.*

Outreach

Nov 13 **Rational, as on the savannah (Danish article)**, *Weekendavisen #47 | Ideer | 22. Nov – 28. Nov 2013.*

Invited talks

May 16 **The 38th Symposium of Neuroscience of Decision Making**, *Decision Making and the Dynamics of Death.*

Nov 14 **Society for Neuroscience**, *The Homeostatic Logic of Reward.*

Jun 14 **Conference for Artificial Life**, *The Homeostatic Logic of Reinforcement Learning.*

Mar 13 **CNEE Experimental Economics Workshop**, *Autocorrelation Biases in a Sequential Gambling Task.*

May 13 **CNEE Neuroeconomics Workshop**, *Homeostatic Reinforcement Learning.*

Experience in industry

Aug 10 - Jan 14	**Freelance consultant**, *Weekendavisen*. Implementation and analysis of subscribers database.
Apr 09 - Mar 12	**Student Researcher**, *DAMVAD consultancy agency*. Econometric analysis.
May 08 - Mar 09	**Student Researcher**, *Wealth Management, SEB Enskilda*. Maintaining performance spreadsheets using visual basic.
Feb 07 - May 08	**Student Researcher**, *Danish Oil Industry Association*. Ad-hoc analysis and article writing.