

# Andrea Insabato

## Curriculum Vitae

Data Science skills		
branch	topics	software
Machine Learning	Supervised Unsupervised Deep Learning	Scikit-learn pyTorch
Statistics	Bayesian estimation experimental design hypothesis testing timeseries analysis survival analysis	pandas, statsmodels
Computer vision	segmentation, registration, object identification	OpenCV, scikit-image
Data Visualization	Interactive graphics	matplotlib, bokeh, holoviews
Network Theory	Graph analysis	networkx
Programming	Python, Matlab, C/C++, bash shell	
Databases	Relational DB, JSON	SQLite, python-sql, sqlalchemy

Computer skills	
Operating systems	Linux (admin), Windows, Mac OS
Typesetting	LaTeX, Office Suite
Graphics	Inkscape, Gimp
Version Control	Git, Subversion

Languages	
Italian	Native
Spanish	Full professional proficiency
English	Professional working proficiency
Catalan	Full professional proficiency
German	Professional working proficiency

## Working experience

Sept 2019-	<b>MSCA Researcher</b>	Université Aix-Marseille, Marseille
2016-2018	<b>Postdoctoral Researcher</b>	Universitat Pompeu Fabra, Barcelona
Sept-Dec 2017	<b>Associate Research Scientist</b>	Columbia University, New York
2014-2015	<b>Postdoctoral Researcher</b>	Universitat Pompeu Fabra, Barcelona

## Teaching Full list available at andreainsabato.eu

2013-2019	<b>Assistant Professor (290 h)</b> Machine Learning and Neuroscience Programming Physics for Engineering	Universitat Pompeu Fabra, Barcelona
2015-2019	<b>Independent courses (40 h)</b> Neural Data Science Modeling in decision-making	UPC, Barcelona UPF, Barcelona

## Education

2009-2014	<b>PhD in Computer Science,</b> <i>cum Laude</i>	Universitat Pompeu Fabra, Barcelona
2007-2009	<b>MA in Philosophy of Science,</b> <i>cum Laude</i>	Università La Sapienza, Roma
2004-2007	<b>BA in Philosophy,</b> <i>cum Laude</i>	Università L'Orientale, Napoli

## Additional Courses Full list available at andreainsabato.eu

Sept 2009-	<b>Computer Vision and Deep Learning</b>	UOC, Barcelona
22- 26/06/2015	<b>Machine Learning Summer School</b>	Universitat Jaume I, Castellón
07- 10/07/2010	<b>Advanced Brain Imaging</b>	University of Birmingham

## Awards

2019	<b>Marie Skłodowska Curie Actions - European Fellowship</b>	European Union
2017	<b>Humanities and Neuroscience Fellowship</b>	Italian Academy at Columbia, New York
2009	<b>Marie Curie Early Stage Researcher</b>	Universitat Pompeu Fabra Barcelona
2008	<b>Erasmus Placement</b>	Universitat Pompeu Fabra, Barcelona
2005	<b>Erasmus</b>	Universität Gutenberg, Mainz

## Main Publications Full list available at andreainsabato.eu

12 publications, h-index: 5

2019	Gilson M, ... , <b>Insabato A.</b> MOU-EC: model-based whole-brain effective connectivity to extract biomarkers for brain dynamics from fMRI data and study distributed cognition. <i>Network Neuroscience</i>
2018	Pallarés V*, <b>Insabato A*</b> , ... , Gilson M. Extracting orthogonal subject-and condition-specific signatures from fMRI data using whole-brain effective connectivity. <i>Neuroimage</i>
2010	<b>Insabato A.</b> , ..., Deco G. Confidence-related decision making. <i>Journal of Neurophysiology</i>