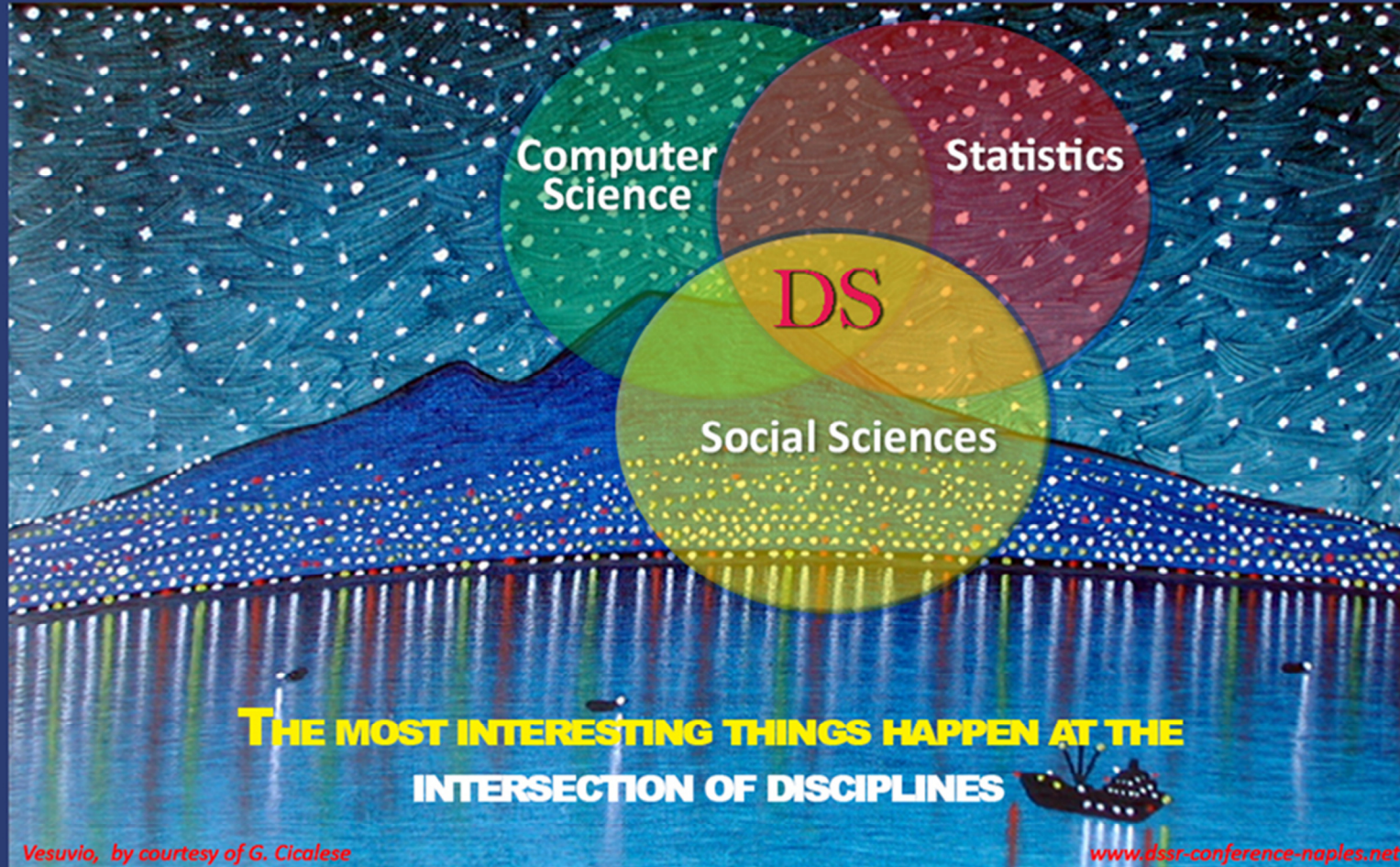


# DATA SCIENCE & SOCIAL RESEARCH

International Conference – Naples, February 17 - 19 2016

Dipartimento di Scienze Sociali – Università di Napoli, Federico II



February, 17th | Complesso dei SS. Marcellino e Festo, Largo S. Macellino, 10 | h.15,00


February 18th – 19th | Centro Congressi Federico II, Via Partenope,36 | h. 9,00



# DATA SCIENCE & SOCIAL RESEARCH International Conference

Naples, *February 17-19* | 2016

Date	Place	Time	Event	Title	Chair	Room		
Wednesday, February 17	Complesso dei SS. Marcellino e Festo - Largo S. Marcellino, 10	12,00 - 15,00	<b>Registration</b>				Chiostro	
		15,00 - 15,30	<b>Welcome Address:</b> Enrica Amaturò - Carlo Lauro – Enrica Morlicchio – Nicola Torelli (SIS President) - Representatives of the Institutions				Sala Congressi	
		15,30 - 17,00	<b>Plenary Session 1</b>				<b>Carlo Lauro</b>	
			Enrico Giovannini	Knowledge and Policy in the Age of the Data Revolution				
			Rob Kitchin	Big Data, New Epistemologies and Paradigm Shifts				
		17,00 - 18,30	<b>Plenary Session 2</b>				<b>Luigi Fabbris</b>	
	Enrica Amaturò - Simona Balbi		The Future of Text analysis					
		Gilbert Saporta	Predictive Versus Generative Modelling: a Challenge for (Social) Sciences					
	18,30	<b>Welcome cocktail</b>				Chiostro		
	20,00	Via dei Tribunali, 316	<b>Visit to "Monumental Complex San Lorenzo Maggiore" in Naples</b>				Via dei Tribunali, 316	

Complesso SS. Marcellino e Festo:  **Wifi**  
SSID: DATASCIENCE      Password: xs4meeting

Wednesday, February 17<sup>th</sup>

# DATA SCIENCE & SOCIAL RESEARCH International Conference

Naples, February 17-19 | 2016

Date	Place	Time	Event	Title	Session organizer(s)	Chair	Room	
Thursday, February 18	Centro Congressi Federico II, Via Partenope, 36	9,00 - 10,30	Session 1	Constructing Social Indicators in The Era of Big Data	Filomena Maggino	Filomena Maggino	Aula Magna	
			Session 2	Detecting, Describing and Measuring Disadvantage Analytical Instruments for Research, Policy Making and Policy Evaluation	Elena Ragazzi - Lisa Sella	Elena Ragazzi	Sala A	
			Session 3	Understanding Data Revolution: Epistemology and Case Studies	Program Committee	Rosanna De Rosa	Sala B	
		10,30 - 11,00	<b>Coffee break</b>					1st Floor
		11,00 - 13,15	<b>Plenary Session 3</b>					
			Emanuele Baldacci	Data to Knowledge: Challenges and Opportunities for Official Statistics			Mauro Calise	Aula Magna
			Susan Halford	Knowing the Social World in the Data Revolution				
			Suzy Moat	Sensing and Predicting Human Behaviour with Internet Data				
		13,15 - 14,30	<b>Lunch</b>					1st Floor
		14,30 - 16,00	Session 4	Contributions for a Knowledge Based Data Science	Carlo Lauro	Carlo Lauro	Aula Magna	
			Session 5	Research Infrastructures: Data Archiving and Data Preservation	Sonia Stefanizzi	Sonia Stefanizzi	Sala A	
			Session 6	Customer Satisfaction in the Era of Big Data	Corrado Crocetta	Corrado Crocetta	Sala B	
		16,00 - 16,30	<b>Coffee break</b>					1st Floor
		16,30 - 18,15	Session 7	Textual Data Analyses	Enrica Amaturò-Simona Balbi	Enrica Amaturò-Simona Balbi	Aula Magna	
			Session 8	Doing Social Research with Mass Media and Social Networks data. The Interdisciplinary Challenge	Giorgio Maria Di Nunzio - Federico Neresini	Federico Neresini	Sala A	
Session 9	Knowledge Based Modelling for Composite Indicators		Program Committee	Enrica Morlicchio	Sala B			
20,00	<b>Social Dinner</b> Hotel –Restaurant “Palazzo Alabardieri”					Via Alabardieri, 38		

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Friday, February 19<sup>th</sup>

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Date	Place	time	event	Title	Session organizer(s)	Chair	Room	
Friday, February 19	Centro Congressi Federico II, Via Partenope, 36	9,00 - 10,30	Session 10	Scientific Collaboration Networks and Knowledge Diffusion: Data And Methods	Maria Rosaria D'Esposito – Anuška Ferligoj	Maria Rosaria D'Esposito	Aula Magna	
			Session 11	Data Science Statistical Methods	Emma Zavarrore	Emma Zavarrone	Sala A	
			Session 12	Big Data in Officials Statistics	Program Committee	Furio Camillo	Sala B	
		10,30 - 11,00	<b>Coffee break</b>					1st Floor
		11,00 - 13,15	<b>Plenary Session 4</b>					
			Paula Brito	Statistical Computing for Data Science			Gianfranco Pecchinenda	Aula Magna
			Lindsay Prior	The Meaning of Wellbeing. A Distant Reading				
			Giovanni Boccia Artieri	Social Media and The Challenge of Big Data/Deep Data Approach				
		13,15 - 14,30	<b>Lunch</b>					1st Floor
		14,30 - 16,00	Session 13	Big Data in the Field of Education: Learning Analytics Paradigms and Applications	Mauro Calise - Mart Laanpere	Mauro Calise	Aula Magna	
			Session 14	The Integration of Statistical and Administrative Data Sources to Increase Census and Social Data Availability	Fabio Crescenzi	Biagio Aragona	Sala A	
			Session 15	Data Science Applications	Program committee	Antonio Irpino	Sala B	
		16,00	<b>Open coffee</b>					1st Floor
		16,00 - 17,00	<b>Round-table:</b>	Data Science & Social Research=Social Data Science?			Carlo Lauro	Aula Magna
		17,00	<b>Closing Ceremony:</b>	Enrica Amatore - Gaetano Manfredi (Rector of the University of Naples "Federico II" and President of CRUI)				Aula Magna

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**Thursday, February 18th**

# DATA SCIENCE & SOCIAL RESEARCH

## International Conference

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N	Session	Organizer(s)		Title	Author(s)	Date	Time	Room
1	Constructing social indicators in the era of big data	Filomena Maggino	1	Extracting Social indicators from Big Data: An Experience in Measuring Wellbeing	Renza Campagni - Lorenzo Gabrielli - Fosca Giannotti - Riccardo Guidotti - Filomena Maggino - Dino Pedreschi	18 February	09:00	Aula Magna
			2	Making Subjectivity Explicit: A Measure of Social inclusion for European Administrative Regions	Ludovico Carrino			
			3	The Italian Regional Well-Being in a Multi-Expert Non-Additive Perspective	Giovanni Bertin - Ludovico Carrino - Silvio Giove			
			4	Measuring the Intangibles: Human Capital Indicators from the OECD Programme for The International Assessment of Adult Competencies	Federica Cornali			
2	Detecting, describing and measuring disadvantage: analytical instruments for research, policy making and policy evaluation	Elena Ragazzi - Lisa Sella	1	Moods of Socio-Economic Crisis: Tweet-Tales	Grazia Biorci - Antonella Emina - Michelangelo Puliga - Lisa Sella - Gianna Vivaldo	18 February	09:00	Sala A
			2	Individual Disadvantage and Training Policies: The Makings of "Model-Based" Composite Indicators	Rosanna Cataldo - Maria Gabriella Grassia - Carlo Lauro - Elena Ragazzi - Lisa Sella			
			3	The Contribution of Digital Humanities in The Understanding of Social Disadvantage	Carla Basili - Grazia Biorci - Antonella Emina			
			4	Big Data and Network Analysis: A Promising Integration For Public Policy-Making	Giovanni Giuffrida - Simona Gozzo - Francesco Mazzeo Rinaldi - Venera Tomaselli			
			5	All That Glitters Is Not Gold!	Gianluca Argentin			
3	Understanding data revolution: Epistemology and Case Studies	Program Committee	1	Data Science in The Political Study of International Conflicts	Adalbert F.X. Wilhelm	18 February	09:00	Sala B
			2	Data Science: A Sociological Point of View	Biagio Aragona			
			3	White House Under Attack. Introducing Distributional Semantic Models for The Analysis of US Crisis Communication Strategies	Fabrizio Esposito - Estella Esposito - Pierpaolo Basile			
			4	The Emerging Role of Social Data Scientist in Data Revolution Era	Ciro C. De Falco, Francesca Manzo, Paola Sangiovanni, Domenico Trezza			

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4	Contributions for a knowledge based data science	Carlo Lauro	1	BBB: Bayesian Big Data Analysis for Bank Risk	Paola Cerchiello - Paolo Giudici - Giancarlo Nicola	18 February	14:30	Aula Magna
			2	Longitudinal Web Mining: Transitional Models, Nested Stump Classification and Path Modeling Tree	Roberta Siciliano - Mark de Rooij - Antonio D'Ambrosio - Massimo Aria			
			3	A Knowledge-Based Model for Clustering and Hierarchical Disjoint Non-Negative Factor Analysis	Maurizio Vichi			
			4	Adaptive-Distance Based Clustering for The Analysis of Age-Pyramids	Antonio Irpino - Rosanna Verde -Antonio Balzanella - Francisco de A.T. De Carvalho			
5	Research infrastructures: data archiving and data preservation	Sonia Stefanizzi	1	Heterogeneous Data, Homogeneous Management: An Interdisciplinary-Crafted Platform for Real-Time Text Collection, Processing and Representation	Paolo Giardullo - Alberto Cammozzo	18 February	14:30	Sala A
			2	Social Science Data Archive in a Divergent Environment: The Case of Italy	Carlo Pisano - Domingo Scisci			
			3	Management and Analysis Strategies of Administrative Databases: Transforming Data into Longitudinal Vectors	Andrea Amico - Giampiero D'Alessandro - Alessandra Decataldo			
			4	IT Architecture of Process Control Systems for Producing Statistical Data	Francesco Bosio			
			5	Transfer Learning Method for the Improvement of Notoriety System Knowledge Base	V.Santarcangelo - A.Buondonno - A.Romano - G.Oddo - M.Giacalone - E.Cascini			
6	Customer Satisfaction in the era of big data	Corrado Crocetta	1	Evaluation University Web Sites	Laura Antonucci - M. Basile - Corrado Crocetta - Francesco D. d'Ovidio – Ernesto Toma	18 February	14:30	Sala B
			2	A Mixture Model for Rating Data: The Nonlinear CUB	Marica Manisera - Paola Zuccolotto			
			3	Touch Point Customer Satisfaction: A Dynamic Profiling	Caterina Liberati - Paolo Mariani			
			4	Student Satisfaction and Quality of Education Services in The University of Bari	Angela Maria D'Ugento - Fabio Manca - Francesco Girone			
			5	Beanplot Data Analysis for Quantifying Market Sentiment	Carlo Drago - Carlo Lauro - Germana Scepi			

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7	Textual Data Analyses	Enrica Amaturò- Simona Balbi	1	Opinion Polls Vs Sentiment Analysis: Electoral forecasting and Mass-Media Storytelling	Francesco Marrazzo	18 February	16:30	Aula Magna
			2	Double K-Means Algorithm for Text Clustering	Livia Celardo - Domenica Fiordistella Iezzi - Maurizio Vichi			
			3	Taltac 3.0: A Web Multilevel Platform for Textual Big-Data in the Social Sciences	Sergio Bolasco - Giovanni De Gasperis			
			4	Analytical Models for Cookies Treatment in Data Management Platforms Related to Digital Advertising, e-crm and e-behaviour Profiling	Furio Camillo - Valentina Adorno			
			5	The Promises of Sociological Degrees: A Lexical Correspondence Analysis of Masters Syllabi	Davide Borrelli, Roberto Serpieri, Danilo Taglietti, Domenico Trezza			
8	Doing social research with mass media and social networks data the interdisciplinary challenge	Giorgio Maria Di Nunzio - Federico Neresini	1	Public Opinion in Twitter Between Mass Media and Personal Media Models. The Case of "Mafia Capitale"	Davide Bennato	18 February	16:30	Sala A
			2	Happy Parents' Tweet?	Cristina Bosco - Mirko Lai - Letizia Mencarini - Michele Mozzachiodi - Viviana Patti - Giancarlo Ruffo - Emilio Sulis - Daniele Vignoli			
			3	Towards a Text Mining-Based Methodology for Studying the Evolutions of Science and Technology Representation in The Mass Media	Emanuele Di Buccio			
			4	From Content Analysis to News Monitoring. New Perspectives in an Age of "Big Data"	Andrea Lorenzet			
			5	The Sentiment of the Infosphere: A Sentiment Analysis Approach for the Big Conversation on the Net	A.Ruoto - V.Santarcangelo - G.Oddo - M.Giacalone - E.Iorio			
9	Knowledge based modeling for composite indicators	Program Committee	1	Getting Synthetic Indicators Out of Big Dataset Using Poset Theory	Giulio Caperna - Giovanna Boccuzzo	18 February	16:30	Sala B
			2	Composite-Based Path Modeling for Measuring Equitable and Sustainable Well-Being	Cristina Davino - Pasquale Dolce - Stefania Taralli - Vincenzo Esposito Vinzi			
			3	Higher Order Construct PLS-PM for Social Composite Indicators	Rosanna Cataldo - Maria Gabriella Grassia - Carlo Lauro - Marina Marino			
			4	Exploring Barriers in the Micro-Distributed Energy Generation: Some Preliminary Insights Using SEM Models	Dario Minervini - Ivano Scotti			
			5	Association Rules on Communities in Two-Mode Networks	Giuseppe Giordano – Raffaele Miele			

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10	Scientific Collaboration Networks and Knowledge Diffusion: Data and Methods	Maria Rosaria D'Esposito – Anuška Ferligoj	1	Network Analysis of "Peer Review" Literature	Vladimir Batagelj	19 February	09:00	Aula Magna
			2	Mixed-Methods Approach for the Analysis of Scientific Collaboration Networks. A Case Study of Sociologists in Campania Region	Rita Cimmino			
			3	Measuring the Stability of Co-Authorship Blockmodels in Time	Marjan Cugmas - Anuška Ferligoj			
			4	Co-Authorship Networks and Scientific Performance. Evidences from a Case Study by Using Different Bibliographic Archives	Domenico De Stefano - Vittorio Fuccella - Maria Prosperina Vitale - Susanna Zaccarin			
			5	Identification of Hierarchies in Scientific Community	Luka Kronegger			
11	Data Science Statistical Methods	Emma Zavarrone	1	Specifying Measurement Error Correlations in Latent Growth Curve Models with Multiple Indicators	Leonardo Grilli -Roberta Varriale	19 February	09:00	Sala A
			2	Growth Curve Models to Detect Walking Impairment: The Case of in Chianti Study	Carla Rampichini – Catia Monicolini			
			3	Latent Growth and Statistical Literacy	Emma Zavarrone			
			4	Latent Growth Curve Modeling for the Longitudinal Analysis	Lucio Masserini			
			5	Multiple Correspondence Analysis and K-Means: A New Approach for Simultaneous Dimension Reduction and Clustering	Mario Fordellone - Maurizio Vichi			
12	Big Data in Official Statistics	Program Committee	1	Can We Use Big Data for Official Statistics?	Carlo Vaccari - Toni Virgillito	19 February	09:00	Sala B
			2	From Drought to Deluge of Data: Geography in The Era of Big Data	M.Rosaria Prisco			
			3	Detecting Outliers at the End of The Series Using Forecast Intervals	Dario Buono – Fabrice Gras - Enrico Infante - Germana Scepi			
			4	Linked Education Microdata to Support Statistics Production	Maria Carla Runci - Grazia Di Bella - Francesca Cuppone			
			5	Big Data & Entrepreneurship: Identifying entrepreneurial projects through semantic social network analysis	Maria Patrizia. Vittoria, P. Napolitano			



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13	Big data in the field of education: Learning Analytics paradigms and applications	Mauro Calise - Mart Laanpere	1	Learning Analytics for Moocs - EMMA Case	Maka Eradze – Kairit Tammets	19 February	14:30	Aula Magna
			2	Monitoring and Analysing the Use of Distributed Digital Learning Resources: A Case Study on eschoolbag Platform in Estonia	Mart Laanpere – Terje Väljataga -Ilya Shmorgun			
			3	Governing by Data: Considerations on the Role of Learning Analytics in Education	Chiara Ferrari - Rosanna De Rosa			
			4	Inside Moocs. What Learning Analytics Can Tell Us About Online Courses.	Valentina Reda – Maddalena Molaro			
			5	Value of Learning Analytics in Moocs	Francis Brouns			
14	The integration of statistical and administrative data sources to increase census and social data availability	Fabio Crescenzi	1	Counting Usually Resident Population from Administrative Registers: Census Methods Used in Other Countries and The Italian Case	Donatella Zindato - Federico Benassi - Irene Rocchetti	19 February	14:30	Sala A
			2	Source Integration and the Italian Continuous Census	Fabio Crescenzi - Giuseppe Sindoni			
			3	Knowledge Discovery Process to Define Usual Resident Population from Administrative Archives"	Angela Chieppa - Gerardo Gallo			
			4	Municipal Population Registers and the Italian Census: Coverage Issues Revisited Three-Years On	Luca Mancini - Alessandro Ronconi			
15	Data Science Applications	Program committee	1	New Generation and Sharing Economy: Influence of Social Media on a Sustainable Consumption	Alessia Bertolazzi - Lucia D'Ambrosi - Francesca Chiusaroli	19 February	14:30	Sala B
			2	Analysis of Employment Transitions and the Risk of Inactivity in the Statements of the Patronato ACLI	Danilo Catania - Alessandro Serini - Gianfranco Zucca			
			3	Using Big Data in Judicial Framework in Italy	Carlo Cusatelli - Massimiliano Giacalone			
			4	Dynamics of Collaboration Networks: A Multidimensional Approach to The Study of Time-Varying Two-Mode Networks In the Theatre Industry	Marco Serino - Daniela D'Ambrosio - Giancarlo Ragozini			
			5	How to Extract Workflows from Data: Process Mining	M.T. D'Alessandro - G. Gaudiano - G. Viola - V. Santarcangelo			
			6	Recurrence Analysis: Method and Applications	Maria Carmela Catone - Paolo Diana - Marisa Faggini			