



Pietro Della Briotta Parolo

Data Analyst/Scientist

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Technical Skills



Personal Skills



OS Preference

GNU/Linux ★★★★★

Unix ★★★★★

Windows ★★★★★

Languages

Italian ★★★★★

English ★★★★★

German ★★★★★

Finnish ★★★★★

Hungarian ★★★★★

Personal Interests



Education

2017-

Bioinformatician



University of Helsinki

I am a member of the genetic analysis team in the FinnGen project, which aims to genotype 500 000 Finns and couple the genetic data with health registry data of each participant. These activities will contribute to a reference database used in rare variant studies, powerful phenome-wide association studies elucidating genetic basis of health and disease and eventually hopefully as a step in realizing the promise of personalized medicine in the future.

2013 - 2017

PhD in Computer Science



Aalto University

During my PhD studies I've been mainly focused on the statistical analysis of large data sets, with a particular interest in scientific data stemming from published publications. My focus has been on the analysis of how the structure of science and the key statistical properties of individual publications have been changing in time due to the constant growth of scientific literature.

Thesis: Analysis of cumulative and temporal patterns in science

2010 - 2012

Masters' Degree in Physics of Complex Systems



Turin University

During my masters I studied the application of methods of physics in multidisciplinary fields, with a particular focus to socio-economical ones (Econophysics, Agent Based Models, Game Theory, Network Theory, Social Networks, Epidemiology) and to biological ones (Neural Networks, Genetics). I also visited Prof. Dirk Helbing's group in Zürich for 6 months.

Thesis: Undermining the Wisdom of Crowds: Effects of Social Influence in a Network of Communities,

2006 - 2010

Bachelor Degree in Physics



Pavia University

Thesis: 20 years of cold fusion.

Publications

Pietro Della Briotta Parolo, Mikko Kivelä, Kimmo Kaski

On the Shoulders of Giants: tracking the cumulative knowledge spreading in citation networks. *preprint*

P. Della Briotta Parolo, R. K. Pan, R. Ghosh, B. H. Huberman K. Kaski, S. Fortunato, **On the decay of attention in science**, *Journal of Informetrics*, Volume 9, Issue 4, Pages 734–745, October 2015

F. Becattini, A. Chatterjee, S. Fortunato, M. Mitrović, R. K. Pan, P. Della Briotta Parolo, **Growing time lag threatens Nobels**, *Nature* 508, 186 (2014).

Press Coverage

The paper Growing time lag threatens Nobels (Nature 508, 186, 2014), by F. Becattini, A. Chatterjee, S. Fortunato, M. Mitrović, R. K. Pan and P. Della Briotta Parolo, was featured in many media sources and blogs, including:

- Le Figaro, <http://www.lefigaro.fr/sciences/2014/10/08/01008-20141008ARTFIG00295-leslaureats-des-nobel-sont-de-plus-en-plus-ages.php> (October the 8th, 2014);
- Der Spiegel, <http://www.spiegel.de/wissenschaft/mensch/nobelpreis-dauer-zwischenzentraler-forschung-und-ehrung-waechst-a-963516.html> (April the 10th, 2014);

The paper *On the decay of attention in science*, by P. Della Briotta Parolo, R. K. Pan, R. Ghosh, B. H. Huberman K. Kaski, S. Fortunato was featured in media sources including:

- Der Spiegel, <http://www.spiegel.de/wissenschaft/mensch/publikationsflut-forscher-veroeffentlicht-zu-viel-a-1022970.html>
- Daily Mail, <http://www.dailymail.co.uk/sciencetech/article-2993954/Science-decay-studies-new-study-finds.html>

Other Experience

2015	<div data-bbox="1396 426 1485 472">IC²S²</div> <div data-bbox="600 462 893 493">Conference Organizer</div> <p>I was part of the team that helped organize the first International Conference on Computational Social Science in 2015 in Helsinki, Finland. The event has since become a regular event in the world of Computation Social Science.</p>
2013 - now	<div data-bbox="1437 588 1502 640"></div> <div data-bbox="600 619 820 651">Travel Organizer</div> <p>Avventure nel Mondo is an Italian association with promotes group travelling. It has almost 1000 destinations worldwide, for all ranges of customers, spacing from easy/fully booked trips to more intense "discovery" ones.</p> <p>A tour coordinator is responsible of the organization of the trip before departure, mainly by contacting participants and handling the communication with local partners. During the trip, it is their responsibility to make sure all things run smoothly and safely, allowing the full enjoyment of the group experience.</p>