

Pietro Cruciata

EDUCATION

Ph.D. in Mathematics

Jan 2019 - ongoing

Innovation and Technology Management, Polytechnique Montréal

Project: Developing innovation indicators leveraging Natural Language Processing methods and techniques

Supervisors: Catherine Beaudry and Andrea Lodi

M.Sc. in Statistics (with scholarship)

Sep 2015 - Oct 2017

Department of Statistical Sciences, University of Bologna

Thesis: RANDOM FOREST MODEL FOR REPEAT BUYERS' PREDICTION

Supervisor: Marzia Freo

AWARDS

Best Paper Award

2022

4POINT0 International Conference 2022

NLP approaches to build innovation indicators with Davide Pulizzotto and Catherine Beaudry

Best Poster Award

2022

4POINT0 International Conference 2022

NLP approaches to build innovation indicators with Davide Pulizzotto and Catherine Beaudry

PUBLICATIONS

3. *First impressions on sustainable innovation matter: using nlp to evaluate the environmental readiness of companies by analyzing the homepages of their websites*, with Davide Pulizzotto, Catherine Beaudry. *Technological Forecasting and Social Change*, Under Review.
2. *Text mining methods for innovation studies: limits and future perspectives*, with Davide Pulizzotto and Catherine Beaudry. Conference proceeding [\[link\]](#)
1. *Investigating the Influence of Selected Linguistic Features on Authorship Attribution using German News Articles*, Sage, M., Cruciata, P., Abdo, R., Cheung, J. C. K., & Zhao, Y. F. (2020). In *SwissText/KONVENS*. Conference paper [\[link\]](#)

CONFERENCES

6. *Newspapers, Images and Income Support Policy*, with Chiara Perfetto and Giuliano Resce. CARMA 2023
5. *First impressions on sustainable innovation matter: using nlp to evaluate the environmental readiness of companies by analyzing the homepages of their websites*, with Davide Pulizzotto, Catherine Beaudry and Mikaël Héroux-Vaillancourt. DRUID 2023
4. *0-shot text classification for web-based environmental indicators: Pilot study on B-Corp data*, with Davide Pulizzotto and Catherine Beaudry. CARMA 2023
3. *Text mining methods for innovation studies: limits and future perspectives*, with Davide Pulizzotto and Catherine Beaudry. CARMA 2022
2. *NLP approaches to build innovation indicators*, with Davide Pulizzotto, and Catherine Beaudry. 4POINT0 International Conference 2022
1. *Investigating the Influence of Selected Linguistic Features on Authorship Attribution using German News Articles*, Sage, M., Cruciata, P., Abdo, R., Cheung, J. C. K., & Zhao, Y. F. (2020). In *SwissText/KONVENS*. [\[link\]](#)

OTHERS

Co-organizer Pre-conference Workshop 4POINT0 [\[link\]](#)

May 2022

- The workshop was an introduction Natural Language Processing methods in social science using python;

SKILLS & EXPERTISE

Languages:

- Italian - Native;
- English - Proficient;
- French - Intermediate;

Programming:

- Python; R; SQL; NoSQL(MongoDB); Stata;
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