ANDREA SEVESO

ABOUT MYSELF

I'm a PhD Student with computer science and data science background. Skilled in Python, Machine Learning and Data mining. Strong analytical and programming skills, graduated from University of Milano-Bicocca.

CURRENT POSITION

PhD Student in Computer Science   *2019 - now*
University of Milano-Bicocca, Milan
Department of Computer Sciences, Systems and Communications

Supervisor - Mario Mezzanzanica
Project - Study and definition of human in the loop approaches for incremental ontology learning from unstructured data.

EDUCATION

Master's Degree in Data Science   *2017 - 2019*
University of Milano-Bicocca, Milan   Grade: 110/110
Department of Computer Sciences, Systems and Communications

Topics covered - machine learning, data management, data visualization, business intelligence, text mining and search, streaming data management and time series analysis, technological infrastructures for data science, decision Models, juridical and social issues in information society, statistical modeling, data semantics.

Thesis - A DS journey: the development of clinical visual decision support and scientific visualizations from end to end with real-world neonatal data.

Bachelor's Degree in Computer Science   *2013 - 2017*
University of Milano-Bicocca, Milan   Grade: 95/110
Department of Computer Sciences, Systems and Communications

Topics covered - programming, distributed systems, relational databases, human-machine interaction, algorithms, operational research, safety and reliability, computer architecture, calculus, linear algebra, statistics.

Thesis - BioBank: analysis, development and usability evaluation of a bank of biological data.

TECHNICAL STRENGTHS

Programming Languages	Python, R, PHP, Javascript
Databases	SQL, MongoDB, Neo4j
Software & Tools	Tableau, Knime, Docker, MS Office, LaTeX

WORK EXPERIENCE

Deloitte Consulting, Milan   01/2019 - 04/2019
Consultant

Link-UP   03/2018 - 01/2019
Data Scientist

PUBLICATIONS

Anna Giabelli, Lorenzo Malandri, Fabio Mercorio, Mario Mezzanzanica, and Andrea Seveso. Skills2job: A recommender system that encodes job offer embeddings on graph databases. *Applied Soft Computing*, 101:107049, 2021

Anna Giabelli, Lorenzo Malandri, Fabio Mercorio, Mario Mezzanzanica, and Andrea Seveso. NEO: A tool for taxonomy enrichment with new emerging occupations. In *International Semantic Web Conference*, pages 568–584. Springer, 2020

Andrea Seveso, Andrea Campagner, Davide Ciucci, and Federico Cabitza. Ordinal labels in machine learning: a user-centered approach to improve data validity in medical settings. *BMC Medical Informatics and Decision Making*, 20(S5):142, 2020b

Fabio Mercorio, Mario Mezzanzanica, and Andrea Seveso. eXDiL: A Tool for Classifying and eXplaining Hospital Discharge Letters. In *Machine Learning and Knowledge Extraction*, volume 12279, pages 159–172. Springer International Publishing, Cham, 2020

Andrea Seveso, Valentina Bozzetti, Paolo Tagliabue, Maria Ventura, and Federico Cabitza. Developing a Machine Learning Model for Predicting Postnatal Growth in Very Low Birth Weight Infants:. In *Proceedings of the 13th International Joint Conference on Biomedical Engineering Systems and Technologies*, pages 490–497, 2020a

Federico Cabitza, Andrea Campagner, Davide Ciucci, and Andrea Seveso. Programmed inefficiencies in DSS-supported human decision making. In *International Conference on Modeling Decisions for Artificial Intelligence*, pages 201–212. Springer, 2019

Michela Assale, Linda Greta Dui, Andrea Cina, Andrea Seveso, and Federico Cabitza. The revival of the notes field: leveraging the unstructured content in electronic health records. *Frontiers in medicine*, 6, 2019

Linda Greta Dui, Andrea Seveso, and Federico Cabitza. Acquiescence bias in patient-reported outcomes: Clue for a fully automatic collection? *International Conference on Informatics, Management, and Technology in Healthcare*, 2018a - *This poster has been awarded with the "Best Student Poster Award"*

STUDENT SUPERVISION

Correlator and tutor of the following bachelor's degree theses:

"Study and evaluation of Natural Language Processing techniques", A. Zanotta, UniMiB, Statistics, 2020

"Evolutionary and corrective development of a dashboard to visualize data from a spinal clinical registry using the parallel coordinate paradigm", M. Cilona, UniMiB, Computer Science, 2018

"Development and usability analysis of a clinical data analytics system", G. Giubaldo, UniMiB, Computer Science, 2018

"Development of a module for predictive analysis of medical outcomes for prognostic purposes", L. Stucchi, UniMiB, Computer Science, 2018

"Front-end development of a module in a pre-existing system that allows domain experts to interact with a predictive model", L. Olivari, UniMiB, Computer Science, 2018

TEACHING AS LECTURER

Data Visualization	2020 - 2021
Masters Degree in Data Science, University of Milano-Bicocca	6 lectures, 18 hours

Human-Computer Interaction
Bachelor Degree in Computer Science, University of Milano-Bicocca

2019 - 2020
6 lectures, 20 hours

Data Visualization
Masters Degree in Data Science, University of Milano-Bicocca

2019 - 2020
6 lectures, 18 hours

Data Visualization
Masters Degree in TTC, University of Milano-Bicocca

2018 - 2019
8 lectures, 24 hours

TEACHING AS TEACHING ASSISTANT

Big Data in Public Policies and Services
Masters Degree in Data Science, University of Milano-Bicocca

2019 - 2020
4 lectures, 10 hours

REVIEWING FOR SCIENTIFIC JOURNALS AND CONFERENCES

Frontiers In Computer Science	Review Editor	2020
ASOC Special Issue	Reviewer	2020
CD-MAKE	Reviewer	2020
HEALTHINF	Program Committee	2020 - 2021
ITAIS & MCIS	Reviewer	2019

PROJECTS

DataWide & DataWise
2018

IRCCS Istituto Ortopedico Galeazzi, Milan

Development of dashboard and tools for analysis of clinical data, integrated in Deloitte's DataREG platform, Data Warehouse management.

CONFERENCES, SUMMER SCHOOLS & WORKSHOPS

6th international winter school on big data, 2020. URL `https://bigdat2020.irdta.eu/`

Linda Greta Dui, Andrea Seveso, Pietro Campi, and Federico Cabitza. Clinical and artificial intelligence for the medical trenches: Datawise and Datawide at the Galeazzi Orthopedic Institute. e-Government and e-Health XV international conference, 2018b

LANGUAGE SKILLS

Italian	Mother tongue
English	Proficient user (CEFR level C1, IELTS 8.0)