Maria Chiara Parisi

Curriculum Vitae

September 7th, 1994 | Rome, Italy
mariachiara.paris@gmail.com

Affiliation

University of Amsterdam
Faculty of Humanities
Department of Philosophy
Oude Turfmarkt 141
1012 GC Amsterdam
The Netherlands

Institute of Logic, Language and Computation (ILLC)

Current Positions

Research Assistant to the NWO VICI project *Ideas at Scale - Towards a Computational History of Ideas (e-Ideas)* — 2019 - present
PI: Arianna Betti (Universiteit van Amsterdam)

I work with qualitative, quantitative and computational methods applied to the history of philosophy (e.g., building and annotating philosophical corpora for text-mining purposes). In particular, I focus on the use of digital tools in the analysis of philosophical texts in Classical Greek and (Neo-)Latin.

Research Assistant to the CLUE+ project *A case study in digital history of philosophy* — Feb 2021 - Apr 2021
PI: Marije Martijn (VU Amsterdam)

I apply computational tools for topic modeling to a Greek philosophical corpus (~15 authors, 25 texts, 2M words) including Aristotle's *Organon* or logical works and its commentaries between the 2nd and 6th CE.

Research Assistant to the CLUE+ project *A Digital History of Philosophy* — Oct 2020 - Dec 2020
PI: Marije Martijn (VU Amsterdam)

I am researching digital tools for topic modeling ancient and medieval philosophy, especially for Classical Greek, Latin and Arabic corpora.

Education

Programming in Python for Text Analysis course (6 EC module), VU Amsterdam — 2019

Master of Arts. *Philosophy (research)* (8.3/10), Universiteit van Amsterdam — 2017 - 2019
Thesis: *On How Perspectival Hylomorphism Got the Facts Wrong*.
Supervisor: Arianna Betti

Bachelor of Arts. *Philosophy* (110 *cum laude*/110), Sapienza Università di Roma — 2013 - 2016
Thesis: *Objects and Substances: an Aristotelian Metaphysics of Particular Ousiai*.
Supervisor: Tito Magri

Workshops, Schools, and Conferences

As selected participant

Aristotle's Metaphysics - Yesterday and Today Summer School, Università della Svizzera Italiana & Universität Luzern, September 3-6, 2018

MCMP Summer School in Mathematical Philosophy for Female Students, Ludwig-Maximilians-Universität München, July 15-21, 2018.

The Metaphysics of Time and Modality Summer School, University of Bonn, July 17-19, 2017.

As participant/hearer (22; 14 unlisted)

Linking a text to LiLa Knowledge Database Digital Workshop, Linked Pasts 6, December 11, 2020.

HIPE (Identifying Historical People, Places, and other Entities) Digital Workshop, CLEF 2020, September 14, 2020.

Transkribus for Advanced Use Digital Workshop, Huygens ING, May 19, 2020.

Transkribus Digital Workshop, Huygens ING, April 21, 2020.

CREATE *Digital History Workshop: Network Analysis in Humanities*, Universiteit van Amsterdam, November 28, 2019.

Identity, Extensionality and Constitution Workshop, University of Leiden, October 24, 2019.

International Congress of Logic, Methodology and Philosophy of Science and Technology (CLMPST), Institute of Philosophy of the Czech Academy of Sciences, Prague, August 5-10, 2019.

Effective project writing Workshop, 2018 OZSW Research Master Winter School, Universiteit van Amsterdam, January 9-11, 2018.

Honours, prizes, scholarships and grants

Fully funded attendance (€ 500) to Summer School on *Aristotle's Metaphysics - Yesterday and Today,* Universita' della Svizzera Italiana & Universität Luzern.	Sept 3-6, 2018
Travel grant (€ 100) to attend *MCMP Summer School in Mathematical Philosophy for Female Students*, Ludwig-Maximilians-Universität München.	Jul 15-21, 2018
Merit-based Internship (€1300) at the Philosophy Library, Sapienza Università di Roma	2014 – 2016

Research Output

Papers

Published

[1] Bloem, J., **Parisi, M.C.**, Reynaert, M., Oortwijn Y., and Betti, A. Distributional Semantics for Neo-Latin. In *Proceedings of LT4HALA 2020 - 1st Workshop on Language Technologies for Historical and Ancient Languages* (pp. 84–93), LREC 2020. Marseille: European Language Resources Association (ELRA). [OA]

This paper applies distributional semantic models to a very small Neo-Latin corpus in order to discuss the problem of creating and evaluating quality Neo-Latin word embeddings for the purpose of philosophical research. Builds on **[2]** and **[3]**.

Ongoing

[2] Van den Berg, H., **Parisi, M.C.**, Oortwijn, Y., and Betti, A., The Spread of the Mathematical Method in Eighteenth-Century Germany: A Quantitative Investigation. (Ongoing; first draft available here; submission planned for January 2021; target: *Synthese*).

This paper assesses the influence of Wolff's 'Mathematical Method' in 18th-century Germany by applying a mixed (quantitative, qualitative, and computational) approach to a bilingual (German/Latin), multi-author 18th-century philosophy corpus of approximately 350 books. I have been annotating 160 books written in Latin.

[3] Van den Berg, H., Oortwijn, Y., **Parisi, M.C.**, Wang, S., and Betti, A.Historians and the 'Great Unread' A New Method for Objective Corpus Building in the History of Philosophy. (Ongoing; submission planned for February 2021; target: *British Journal for the History of Philosophy*).

This paper describes existing practices in source selection and corpus building and proposes a new method of corpus selection.

Invited Talks

[4] **Parisi, M.C.**, "Hylomorphism and The Principles of Extensionality", *Propositions, properties, sets, and other abstract objects* Workshop, Amsterdam, February 7-8, 2020.

[5] Betti, A. and **Parisi, M.C.**, "Computational History of (ancient) Ideas", *Digital Classics* Workshop, Oikos National Research School in Classical Studies, The Netherlands, online, March 1, 2020.

[6] **Parisi, M.C.**, "Mathematics & Scientific Explanation in Antiquity: A Slow Science and Big Data Study", Workshop on Neoplatonism and the Sciences, March 12, 2021.

[7] **Parisi, M.C.**, and Oortwijn, Y., "Distributional Semantics for Neo-Latin", Neo-Latin Studies and Digital Humanities, International Association for Neo-Latin Studies, online, April 15, 2021.

Contributed Talks with Abstract Submission

[8] **Parisi, M.C.,** "Hylomorphism and The Principles of Extensionality", Spring School on *Wholes and Their Parts. Mereology and Its History*, CUSO, ISFI, SNSF-Project *The Metaphysics of Quantum Objects*, April 30 - May 3, 2020. (postponed due to COVID-19).

[9] **Parisi, M.C.**, "The Problem of Material Constitution: identity and composition of ordinary objects", Summer School on *Aristotle's Metaphysics - Yesterday and Today,* Università della Svizzera Italiana & Universität Luzern, September 6, 2018.

Invited Guest Lectures

[10] "Computational History of Ideas: preliminaries and corpus-building" in the course "Data-driven History of Ideas", MA course, Universiteit van Amsterdam, November 20, 2020.

[11] "Computational History of Ideas: preliminaries and corpus-building" in the course "History of Ideas: Foundational Topics and Computational Applications", Corso di Laurea Magistrale in Filosofia, Università di Torino, May 19, 2020.

[12] "Aristotle's Mereology" in the course "Logic and Philosophy", MA course, Universiteit van Amsterdam, February 14, 2020.

Internal Seminar Talks

[13] **Parisi, M.C.**, "A Digital History of Philosophy", at Agora - VU History of Philosophy seminar, Amsterdam, October 30, 2020.

[14] **Parisi, M.C.**, and Salway, A., "Developing a database and associated tools for corpus building", at e-Ideas seminar, Amsterdam, October 27, 2020.

[15] **Parisi, M.C.**, and Van den Berg, H., "Expert Annotations", at e-Ideas seminar, Zuidoostbeemster, February 11, 2020.

Resources: Software, Data Models, Philosophical Models, Corpora, Bibliographic (Meta)dataset Curation, Annotation Sets, Annotation Schemes, Annotation Workflow Descriptions, User Scenarios

Software: Bibliobase, *Bibliographic Manager & Corpus Building Tool* (prototype, data model & user scenarios)

[16] **Parisi, M.C.**, 'Bibliobase' (prototype)
This is a screenshot of a GUI-equipped tool prototype based on FileMaker that aims to help researchers to collect, store and annotate (collections of) books metadata, to sort/filter data easily, and to retrieve hierarchical relations among the digital copies and the works; it will also help researchers to access quickly the *best* digital copies of a work.

[17] **Parisi, M.C.**, and Betti, A., 'Bibliobase Data Model 1.0'.
This is version 1.0 of the Data Model for BiblioBase **[15]**. It draws on the FRBR (Functional Requirements for Bibliographic Records) conceptual entity-relationship model that explains relationships between entities appearing in records in a hierarchical structure. The Bibliobase Data Model has been optimised for corpus building procedures and to work with digital versions of texts.

[18] **Parisi, M.C.**, and Betti, A., 'FileMaker & Gbooks for User-Controlled Corpus Building - User Scenarios', July - September 2020.
These are two user scenarios that describe how the use of FileMaker and gBooks can help researchers and improve the quality of corpus building procedures. FileMaker is the relational database software on which BiblioBase **[15-16]** is based.

Corpora

[19-20] The Spread of the Mathematical Method - Latin Corpus (PDFs) and The Spread of the Mathematical Method - German Corpus (PDFs)
The folder contains all the Latin and German texts in pdf with an OCR layer downloaded. We have two distinct corpora: one for the specific purpose of the philosophical research for **[2]** (164 texts) and the other for other purposes, e.g. (computational) linguistic research (195 texts). For e.g. linguistic purposes it is not relevant whether a text meets the criteria specified in **[2]**, so texts that do not strictly fall under these criteria are included.

Bibliographic Datasets & Corpora Metadata Curation

[21-22] **Parisi, M.C.**, and Van den Berg, H., 'The Spread of the Mathematical Method - Latin corpus for Linguistic Analysis' and 'The Spread of the Mathematical Method - German corpus for Linguistic Analysis', November 2020.
These spreadsheets contain the bibliographic metadata of the Latin and German corpora for linguistic analysis. The records are chronologically ordered according to the correct year of publication. Each record is associated with a URL link to the full-text.

[23-24] **Parisi, M.C.**, and Van den Berg, H., 'MM18th - German corpus for Philosophical Analysis and MM18th -Latin corpus for Philosophical Analysis', November 2020
These spreadsheets contain the bibliographic metadata of the Latin and German corpora, built as described in **[3],** for the philosophical analysis of **[2]**. Each of them includes a first worksheet that contains also excluded texts and duplicates, and a second worksheet that is the final corpus containing records of texts published between 1720 and 1790 in Germany. The records are chronologically ordered according to the correct year of publication and the year of their first edition is specified. Each record is associated with a URL link to the full-text.

[25] Van den Berg, H., **Parisi, M.C.**, Wang, S., and Oortwijn, Y., 'Expert Metadata Corpus Based on Risse Spread of the Mathematical Method - Phase II.', February 2020.
This document contains several versions of the corpus used for **[2]**. The description of the corpus building procedure can be found in **[2]** and **[3].**

[26] **Parisi, M.C.**, and Martijn, M., 'Digital History of Philosophy - Corpora', Ongoing.
This spreadsheet is a dataset of Ancient Greek, Latin and Arabic corpora and library databases that are relevant for the *A Digital History of Philosophy project* (see **Current Positions**).

[27] **Parisi, M.C.**, and Reynaert, M., 'The Spread of the Mathematical Method - Latin Background Corpora', July 2020.
This spreadsheet represents a dataset of background corpora and library catalogues that are relevant for a follow-up we plan to **[2]**, namely we plan to build an OCR-ed and postcorrected (by using corpus-induced post-correction), enriched and segmented corpus from the pdfs of 164 texts.

[28] **Parisi, M.C.**, 'EvaLatin - Neo-Latin Dataset for Nonce2Vec', February 2020
This dataset is the Neo-Latin corpus used in **[1]** and consists of a small, manually-typed and manually-checked set of 30 target terms and, for each term, three sentences in which the term occurs. The target term is replaced in the snippets with '___'. This corpus was a very small, but sufficient set of data to test the consistency of Neo-Latin word embeddings.

Annotation Sets

[29] Van den Berg, H., **Parisi, M.C.**, Oortwijn, Y., Koopman, R., and Wang, S., 'Annotation Expert Metadata Spread of the Mathematical Method - Phase II.', November 2020.
This document contains all the annotation results for **[2]**, for which I was one of the two annotators, and an earlier version of the corpus for that paper.

[30] Van den Berg, H., **Parisi, M.C.**, and Oortwijn, Y., 'Annotation Expert Metadata Spread of the Mathematical Method - Phase I.', December 2019.
This document contains a deprecated version of the annotation results for **[2]**, for which I was one of the two annotators, and an earlier version of the corpus metadata for that paper.

Philosophical Models, Annotation Schemes & Workflows and Ground Truth Preparation

[31] Betti, A., **Parisi, M.C.**, Oortwijn, Y., and Van den Berg, H., 'Interpretative Framework (Model) for Mathematical Method', July 2020.
This document contains the interpretive conceptual framework or model of (Wolff's) Mathematical Method that has been used to analyse the Latin and German corpora for **[2]**.

[32] Betti, A., **Parisi, M.C.**, Oortwijn, Y., and Van den Berg, H., 'The Spread of the Mathematical Method - Annotation Scheme', July 2020.
This document reports (i) the conditions of the model for (Wolff's) Mathematical Method and (ii) the annotation scheme according to which every condition of the model has been annotated, including the sub-questions that were answered for each condition during the annotations for **[2]** .

[33] **Parisi, M.C.**, 'MM18th - Keywords Searched (Latin)', July 2020.
This document contains the lists of the searched Latin words divided according to the criteria of the model of Mathematical Method [28]. This list of words was used to search the relevant passages during the annotations for **[2]**.

[34] **Parisi, M.C.**, and Van den Berg, H., 'The Spread of the Mathematical Method - Relevant Documents + Link&Descriptions', June 2020.
This document contains all the relevant documents/folders for **[2]**, their descriptions, and their links. The document is divided into what concerns (i) annotations, (ii) the model, and (iii) the corpus.

Annotation Workflow Descriptions

[35] **Parisi, M.C.**, and Van den Berg, H., 'The Spread of the Mathematical Method - Post Annotation Report', June 2020.
This report describes what has been done during the annotations for **[2]**. The report is divided into what concerns (i) annotations, (ii) the model, and (iii) the corpus.

[36] **Parisi, M.C.**, and Van den Berg, H., 'Expert Annotations Workflow', February 2020.
This document describes the annotation's workflow step-by-step for each of the two annotators (Maria Chiara Parisi and Hein van den Berg).

Pilot Studies for Ground Truths

[37] Betti, A., **Parisi, M. C.**, and Van den Berg, H. , 'Conceptual Network Data The Spread of Mathematical Method', Ongoing.

This document contains a conceptual network of relevant terms collected during the annotations for **[2]**. It has 8 worksheets, each corresponding to one of the seven criteria of the interpretative framework (Model) for the concept of *mathematical method* (except for the third worksheet *Sciences in B*, which is a list of sciences that could adopt the mathematical method in 18th-century, built on the basis of the annotations results). We listed a Latin term (or its translation), a related concept (in English), and a German term (or its translation) on the same row to show that the two terms relate to the same concept. We then scored the relevance of the concept to the criterion of the Model considered in the worksheet on a scale from 1 (slightly relevant) to 3 (very relevant). The data is meant as a preparation for the construction of an expert ground truth in the sense of Betti et al. 2020. "Expert Concept-Modeling Ground Truth Construction For Word Embeddings Evaluation in Concept-Focused Domains." COLING2020.

Other

Languages

Italian (mother tongue), English (Proficient, C1), French (Intermediate, B1), Latin and Classical Greek (reading and translating)

Computer Skills

SQL (intermediate), Python (basic), HTML (basic)

Administrative Skills

Conferences, workshops, and courses organisation

General assistance to large project coordination and management (spreadsheeting, communication, financial paperwork)