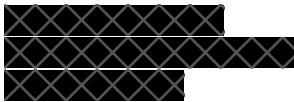# Luca Ducceschi

Senior Post-Doc researcher with 7 years of experience in the field of Computational and Theoretical Linguistics, academic teacher, and NLP consultant.

## Academic and Work Experience

**Stanford/Edelman Group**
*Data Consultant,* **September 2021 - Present**
- Creation of socio-economic database from US federal agencies via multiple APIs.
- Data Analysis

*Post-Doc Fellow, September 2014 – September 2020*
- Programmed NLP pipelines for educational applications.
- Developed Flask based web applications.
- Developed and realized hands-on prototypes of syntax-based educational games.

## Teaching

- University of Trento, DIPSCO and CIMeC (psychology, cognitive and neuroscience department)
    - 2023-2024: Interfacce Linguistiche
    - 2018-2021: Computational Skills for Text Analysis
    - 2017-2020: Linguistica Computazionale
    - 2016-2020: Teorie e Tecniche di Riconoscimento
- University of Trento, Humanities Department:
    - 2023-2024: Linguistica Generale
    - 2023-2024: Glottologia e Linguistica Generale
- University of Bolzano, Facoltà di Scienze della Formazione:
    - 2020-2024: Computational Linguistics
    - 2020-2023: Machine Learning

## Education

- University of Verona, 2012, Ph.D. in Linguistics
- University of Bologna, 2006, MA in Language studies and Linguistics

## Skills

- Python (Sklearn, Pandas, Stanza, Pytorch, Flask)
- Linux and Bash
- Full stack development (Vue, React, Flask)

## Languages

- Italian, native speaker
- English, Near-native (C2)
- French, Near Native (C2)

## Translated books

- Agid, Yves, 2022, *Invecchiare: è divertente", Carocci, Roma*
- Dehaene, Stanislas, 2019, Imparare, Cortina Editore, Milano

## Selected Conferences

- The language of literary vs. popular fiction, Society of Experimental Social Psychology 2023 Annual Meeting
- 2022 International Conference on Advanced Visual Interfaces, End-user Development and Closed-Reading

## Selected Publications

Ducceschi, L., Tiuleneva, M., Saedi, F., Zanella, J., Castano E. (in prep.). Uncovering the structure of narratives using computational linguistic tools.

Castanò, E. Zanella J., Saedi, F. Zunshine, L. Ducceschi, L., (2023), On the Complexity of Literary and Popular Fiction, Empirical Studies of the Arts.

Abdollahinami, S., Ducceschi, L. and Zancanaro, M., 2022, June. End-user Development and Closed-Reading: an Initial Investigation. In Proceedings of the 2022 International Conference on Advanced Visual Interfaces.

Godler A., Ducceschi L., Zancanaro M., 2020, *A Language-based Interface for Analysis of Digital Storytelling.* Proceedings of the International Conference on Advanced Visual Interfaces.

Steltmann, J., Ducceschi, L., Herbelot, A., 2019, How much competence is there in performance? Assessing the distributional hypothesis in word bigrams. In Clic-It 2019.

Ducceschi, L. and Zamparelli, R., 2018. Puzz-Ling: A hands-on model of syntax to popularize linguistics as a science. Language and Linguistics Compass, 12(9), p.