Position Offered: POSTDOCTORAL RESEARCHER

Project: *History and emotions: Characterization and evaluation of computational linguistics and language models in emotion mining from historical sources.*

Technological and scientific fields: Digital Humanities, Massive data and information processing technologies, Computational linguistics, Emotion mining

Location: Santiago de Compostela, Galicia, Spain. Padre Sarmiento Institute of Galician Studies
https://iegps.csic.es/en/iegps/

Research Group/PI: Social history of power since the Middle Ages. Research group PI: Dra. Amparo Rubio Martínez.

PROJECT SUMMARY

The main goal is to characterize and evaluate existing computational linguistics techniques in emotion mining from historical sources. What can we extract from our historical corpus that allows us to support historical hypotheses and carry out a more human-centered investigation based on them? What do the texts produced reflect about the authors? Therefore, tasks will be carried out to study the state of the art in computational linguistics and emotion mining (extraction of emotions from text), selection of historical documentary corpora, annotation and evaluation of the techniques on the selected corpora, as well as empirical evaluation with historians of the results obtained. In addition, the project contemplates the development of use guides in emotion mining in historical contexts.

PROFESSIONAL PROFILE

Minimum requirements:

Academic qualification in philology, linguistics, history or computer engineering. In the computation case, it is necessary to demonstrate previous experience in Humanities and management of documental sources.
PhD related to Digital Humanities. Fluency in Spanish and English.
Demonstrable experience in computer programming, management and training of large language models (LLMs) in the Humanities.

Merits to be considered:

- Experience in developing and knowledge of programming languages such as Python, R, node.js or similar for LLMs
- Experience in creation, annotation and management of linguistic and/or historical corpora in digital contexts. Previous scientific record related to the topic.

WHAT IS OFFERED

The project is framed in a interdisciplinary research environment within the digital humanities, with a large existing network of researchers, centers and universities working on projects along the research line. The postdoctoral researcher will access an ambitious training program of 240 ECTS over 4 years that combines work methodologies and skills in both historical research and management of documental sources and in computational linguistics (programming, analysis, etc.), and that includes up to 3 short stays in national and/or European reference centers.

Contract conditions:

Indefinite contract for a Postdoctoral Researcher associated to the Momentum Project of 4 years' duration according to Spanish science law. Gross annual salary (41.000 € - 52.000 €).

Start of contract: before 31 December 2024

PRINCIPAL INVESTIGATOR CONTACT

Email: p.m.rodilla@iegps.csic.es

Phone: +0034 981-540237 (Office) // +0034 658905763 (Mobile)