

# Programming Historian

digital methods for the humanities

[programminghistorian.org](http://programminghistorian.org)

## Institutional Partnership



*Programming Historian in English, en español, en français, and em português* are four Diamond Open Access journals of computational methods. Through article-length lessons, we support scholars and educators in the fields of history, the humanities, the social and information sciences to develop effective digital research skills. Our lessons are created by a global community of authors, translators, editors and reviewers who work together across and between multilingual borders and disciplinary intersections. Our lessons are read by people around the globe, from countries in every continent. Each lesson we publish is read and reviewed by the author or translator's peers. It is through open exchange, that authors, translators, their editors and reviewers test and shape the lessons collaboratively, and this process allows them to learn from each other. Our work is funded by a network of organisations who invest in us because we empower scholarly communities.

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## What others say about us:

*Programming Historian* is the single best starting-point for anyone seeking to use digital methods when working with historical materials.

P. J. Corfield & T. Hitchcock,  
*Becoming a Historian*  
(2022)

*Programming Historian* sets standards in terms of method, content, technology and especially didactics.

M. Dröge,  
*H-Soz-Kult*  
(2019)

An entire digital history class could be constructed just using *Programming Historian* tutorials and their provided datasets as illustrations of methods.

J. Guiliano,  
*A Primer for Teaching Digital History*  
(2022)

*Programming Historian* tutorials are written in a friendly and accessible language to those less familiar with computer concepts.

P. P. Goñi,  
*Revista de Humanidades Digitales*  
(2018)

Find us:



## Explore

More than 250 lessons teaching a wide range of tools and approaches for acquiring, transforming, analysing, presenting, or preserving data.

 [programminghistorian.org](http://programminghistorian.org)

### Data

acquisition, cleaning, mining, modelling, management, and visualisation

### Text

transcribing, transliterating, tagging, tokenizing, lemmatizing, topic modelling, and sentiment analysis

### Machine Learning

convolutional neural networks, training models for clustering, embedding, image classification, facial recognition

### Mapping

georeferencing, geocoding, gazetteers, geographic visualisation, and interactive spatial storytelling

### Creative Coding

game creation, digital exhibits, audio visual experimentation



## Learn

Develop computational skills with real-world application. Our lessons centre sample code and datasets to learn-by-doing. Ready to get started?

### **Analyzing Multilingual French and Russian Text using NLTK, spaCy, & Stanza**

Ian Goodale

Covers tokenization, part-of-speech tagging, and lemmatization, as well as automatic language detection for non-English and multilingual text.

Available in: English

### **Introduction to Map Warper**

Anthony Picón Rodríguez and Miguel Cuadros

Introduces basic use of Map Warper for historical maps. It guides you from upload to export, demonstrating methods for georeferencing and producing visualizations.

Available in: English, español.

### **Making an Interactive Web Application with R and Shiny**

Yann Ryan

Demonstrates how to design and build a simple interactive webmap, consisting of a slider which allows a user to select a date range, and display a set of corresponding points, on an interactive map.

Available in: English, español, português

### **Introduction to the Principles of Linked Open Data**

Jonathan Blaney

Introduces core concepts of Linked Open Data, including URIs, ontologies, RDF formats, and a gentle intro to the graph query language SPARQL.

Available in: English, español, français, português

### **Introduction to Jupyter Notebooks**

Quinn Dombrowski, Tassie Gniady and David Kloster

Demonstrates how to install the software, and how to create and run files in an environment where you can freely combine human-readable narrative with computer-readable code.

Available in:  
English, français, português

### **R Basics with Tabular Data**

Taryn Dewar

Teaches a way to quickly analyze large volumes of tabular data, making research faster and more effective.

Available in: English, español, français, português

Discover more: [programminghistorian.org/en/lessons/](https://programminghistorian.org/en/lessons/)

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### Contact

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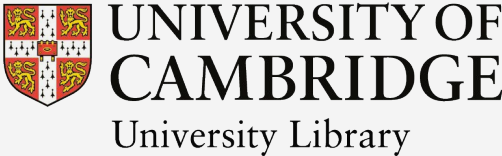
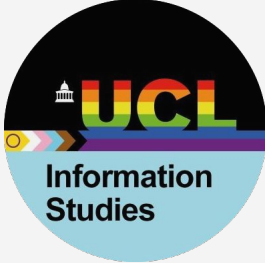
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