

Accepted Manuscript

Historical Inference based on Semi-Supervised Learning

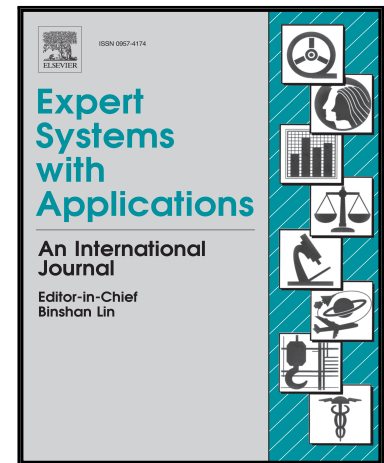
Dong-gi Lee , Sangkuk Lee , Myungjun Kim , Hyunjung Shin

PII: S0957-4174(18)30216-1
DOI: [10.1016/j.eswa.2018.03.059](https://doi.org/10.1016/j.eswa.2018.03.059)
Reference: ESWA 11906

To appear in: *Expert Systems With Applications*

Received date: 20 September 2017
Revised date: 14 December 2017
Accepted date: 28 March 2018

Please cite this article as: Dong-gi Lee , Sangkuk Lee , Myungjun Kim , Hyunjung Shin , Historical Inference based on Semi-Supervised Learning, *Expert Systems With Applications* (2018), doi: [10.1016/j.eswa.2018.03.059](https://doi.org/10.1016/j.eswa.2018.03.059)



This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- We propose a framework of classifying people in history into rivalry power groups (parties).
- The proposed method employs graph-based semi-supervised learning.
- To create a network from genealogy, we propose a method for converting the tree structure to a network.
- We devise a labeling method using historical records on political decisions.
- The paper is a pioneering work of machine learning applied to history, which can help people infer the unrevealed facts in history.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6854928>

Download Persian Version:

<https://daneshyari.com/article/6854928>

[Daneshyari.com](https://daneshyari.com)