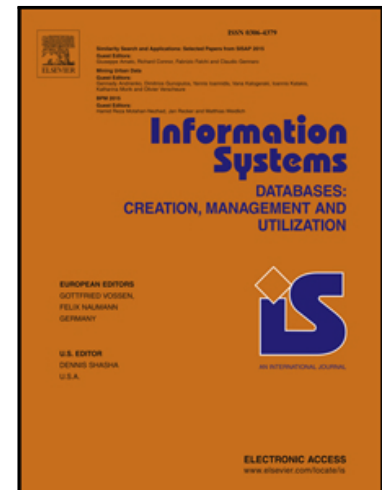


# Accepted Manuscript

## A Two-Stage Machine Learning Approach for Temporally-Robust Text Classification

Thiago Salles, Leonardo Rocha, Fernando Mourão,  
Marcos Gonçalves, Felipe Viegas, Wagner Meira Jr.

PII: S0306-4379(17)30180-1  
DOI: [10.1016/j.is.2017.04.004](https://doi.org/10.1016/j.is.2017.04.004)  
Reference: IS 1216



To appear in: *Information Systems*

Received date: 23 March 2017  
Revised date: 20 April 2017  
Accepted date: 21 April 2017

Please cite this article as: Thiago Salles, Leonardo Rocha, Fernando Mourão, Marcos Gonçalves, Felipe Viegas, Wagner Meira Jr., A Two-Stage Machine Learning Approach for Temporally-Robust Text Classification, *Information Systems* (2017), doi: [10.1016/j.is.2017.04.004](https://doi.org/10.1016/j.is.2017.04.004)

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**

- Proposal of an automatic procedure to learn the Temporal Weighting Functions (TWFs) from the training data. based on a cheap strategy to learn the distribution that better suits each domain;
- Proposal of three lazy strategies to incorporate TWFs into traditional ADC algorithms;
- Further evaluation of the proposed strategies using three real-world textual datasets with distinct temporal characteristics.

Download English Version:

<https://daneshyari.com/en/article/4945095>

Download Persian Version:

<https://daneshyari.com/article/4945095>

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