

## Accepted Manuscript

Applying automatic text-based detection of deceptive language to police reports: extracting behavioral patterns from a multi-step classification model to understand how we lie to the Police

Lara Quijano-Sánchez, Federico Liberatore,  
José Camacho-Collados, Miguel Camacho-Collados

PII: S0950-7051(18)30128-X  
DOI: [10.1016/j.knosys.2018.03.010](https://doi.org/10.1016/j.knosys.2018.03.010)  
Reference: KNOSYS 4259



To appear in: *Knowledge-Based Systems*

Received date: 30 October 2017  
Revised date: 5 March 2018  
Accepted date: 7 March 2018

Please cite this article as: Lara Quijano-Sánchez, Federico Liberatore, José Camacho-Collados, Miguel Camacho-Collados, Applying automatic text-based detection of deceptive language to police reports: extracting behavioral patterns from a multi-step classification model to understand how we lie to the Police, *Knowledge-Based Systems* (2018), doi: [10.1016/j.knosys.2018.03.010](https://doi.org/10.1016/j.knosys.2018.03.010)

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**

- *VeriPol* is an effective text-based lie detection model for police reports
- Our model includes feature selection by L1 penalization and heuristic rules
- Computational experiments on a real dataset show a validation accuracy of 91
- A pilot study shows a lower bound on the empirical precision of 83%, approx.
- The model analysis provides linguistic insights of how people lie to the police

متن کامل مقاله

دریافت فوری ←

**ISI**Articles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات