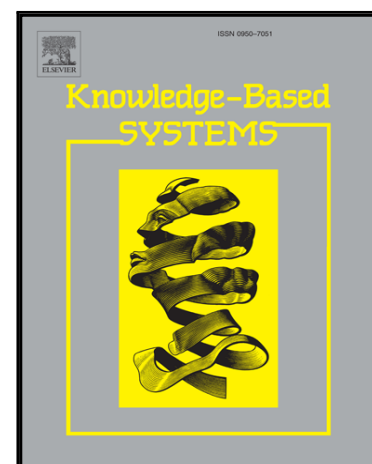


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Applying automatic text-based detection of deceptive language to police reports: extracting behavioral patterns from a multi-step classification model to understand how we lie to the Police

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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

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