# Authorship Attribution Using NLP

In the modern publishing industry, disputes over manuscript authorship can have significant legal and financial implications. This project presents a system for authorship attribution using Natural Language Processing (NLP) techniques. The system analyzes linguistic and stylistic patterns in text to identify the most probable author. It includes stages such as data preprocessing, feature extraction (e.g., vocabulary usage, sentence structure, POS tagging), and classification using machine learning models such as Support Vector Machines (SVM). The system is validated using cross-validation and author-specific accuracy metrics. This approach aims to deliver an objective and reliable solution for resolving authorship conflicts in forensic linguistics.

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