

## Fraud Detection for Online Judge Systems

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Maintaining a fair environment in the academia has always been of high importance. Leaving ethics aside, it is a fundamental factor for an efficient and prosperous educational process. This process is continuously changing and evolving, always trying to perfect itself. However, with all the benefits, it also creates a new context for cheating and fraud, that we are aiming to keep up with and overcome. In order to do so, we intend to test different approaches presented in the literature, gather their results and create an insightful set of metrics. Further, we will use the metrics for automatically detecting fraud in the context of Online Judge Systems. To achieve such a goal, we are going to test, tweak some of the existing solutions and discover links between them using a set of real submissions made by first year students during their Data Structures practical exams.

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