SmellSheet Detective: A tool for Detecting Bad Smells in Spreadsheets

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**Software Smells**

Symptom that something might be wrong. Fowler suggested some smells for source code.

**Spreadsheet Smells**

We defined a catalog of spreadsheet smells. And we have a tool to find them.

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### SmellSheet Detective

Support for local files and Google Docs Spreadsheets.

Implemented in Java, using our spreadsheet analysis library, based on the Apache POI library and the Google Docs API.

Implements a catalog of smells.

Modular and easily extensible.

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#### Results

The values were obtained running the tool on 180 spreadsheets of the EUSES corpus.

More than 20% of the detected smelly cells point to a possible problem in the spreadsheet.

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SSaatP – SpreadSheets as a Programming Paradigm

SSaatP is a research project aiming to provide tools to help understanding spreadsheets and to improve spreadsheet development.