

CaM: Classes and Metrics

YEGOR256/CAM

This report is generated automatically by the script, which you can find in the GitHub repository [yegor256/cam](https://github.com/yegor256/cam).

We found and retrieved 5 repositories from GitHub. The following search criteria have been used: at least 1000 and at most 10000 stars, at least 200Kb size of Git repo. The full list of them is in the `repositories.csv` file. The `hashes.csv` file has a list of Git hashes of their latest commits. The filtering process was the following:

1. There were 1409 files total, 67 of them were `.java` files; all other files, which were not `.java`, have been deleted: 1342 total;
2. There were no files named `package-info.java`, nothing to delete;
3. There were 67 files total; 5 of them were test files with `Test` or `ITCase` suffixes and that's why were deleted;
4. There were no files with broken syntax among 63 files total;
5. There were no files among 63 total with lines longer than 1024 characters;
6. Not a class: `/w/dataset/github/kaedea/android-tagview/library/src/main/java/me/kaede/tagview/`
a class: `/w/dataset/github/kaedea/android-tagview/library/src/main/java/me/kaede/tagview/On7`
a class: `/w/dataset/github/Karumi/ExpandableSelector/expandableselector/src/main/java/com/ka`
a class: `/w/dataset/github/Karumi/ExpandableSelector/expandableselector/src/main/java/com/ka`
a class: `/w/dataset/github/vincentbrison/vb-android-app-quality/app/src/main/java/vb/android/a`
a class: `/w/dataset/github/vincentbrison/vb-android-app-quality/app/src/main/java/vb/android/a`
a class: `/w/dataset/github/vincentbrison/vb-android-app-quality/app/src/main/java/vb/android/a`
a class: `/w/dataset/github/shehabic/Droppy/library/src/main/java/com/shehabic/droppy/animati`
a class: `/w/dataset/github/shehabic/Droppy/library/src/main/java/com/shehabic/droppy/Droppy`
a class: `/w/dataset/github/shehabic/Droppy/library/src/main/java/com/shehabic/droppy/Droppy`
were 63 files total. 10 of them were not Java classes but interfaces or enums, that's why were deleted.;

The structure of the archive:

- `data/` is the collection of `.csv` files with the data you are looking for (85 total);
- `github/` is the entire collection of 53 source files "as is" (2.2M total);
- `measurements/` is where we keep individual metrics calculated per file, which you may use to verify our algorithms;

There are 16 metrics that we use:

- `attributes`: Number of Non-Static Attributes

- `sattributes`: Number of Static Attributes
- `ctors`: Number of Constructors
- `methods`: Number of Non-Static Methods
- `smethods`: Number of Static Methods
- `ncss`: Non Commenting Source Statements (NCSS)
- `impls`: Number of implemented interfaces
- `authors`: Number of Committers/Authors
- `blanks`: Blank Lines
- `comments`: Commenting Lines
- `loc`: Lines Of Code
- `cc`: Cyclomatic Complexity
- `coc`: Total Cognitive Complexity of All Methods
- `acoc`: Average Cognitive Complexity of a Method
- `mxcoc`: Max Cognitive Complexity of a Method
- `mncoc`: Min Cognitive Complexity of a Method

It took 0.05 hours to generate this report.

If any questions or suggestions, just [email me](#).