Initial analysis

Write up brieﬂy what these results indicate about the system.

The number of times the Java file has been modified is basically not more than 20 times. In addition to the small file size, it may also indicate that the correlation between components is not large.

Are there any features that stand out?

There are many commits and thousands of files in the repo analysis. However, only 166 .java files are found in main directory.

The size of the .java file is proportional to the number of commits.

Are there potential areas of concern?

The difference in the number of files is a concern.

Are these substantiated by a brief informal analysis of the source code?

The repo experienced some major changes such as movements, split and v2.0.

Static analysis

The whole project includes three parts, basic time format, time format conversion, and complex time format, which is based on the first two parts.

Usually the core classes (with many other classes associated) are modified less frequently to ensure the stability of the project. Classes with many modifications usually have some problems or high difficulty.

Among them, the class org.joda.time.DateTimeZone is not only very critical, but also modified many times. It is quite certain that some problems lie in this place.

Dynamic analysis