

- 1) Number of Parameters (avg/max per method) is outside of optimal range because of TwitterClient.java. More specifically, it is the constructor that violates the optimal range
- 2) One could use instance variables that have get/set methods in order to prevent passing several parameters.
- 3) Yes, the maximum complexity is 10.
- 4) There are three paths: the first comes from backOffMillis being 0; the second from backOffMillis being greater than capMillis. The final path comes from backOffMillis being less than capMillis
- 5) Afferent coupling is the number of packages that depend on classes within the package. It is an indicator of the package's responsibility.
Efferent coupling is the opposite of afferent coupling- it is how many outer packages that classes in the package depend on. It is a measure of the package's (in)dependence.
These two metrics can be used to analyze cohesion and coupling
- 6) $806/(154+928) = 74.5\%$
- 7) $761/(154+928+948-806) = 62.2\%$
- 8) $1-(126/3526) = 96.4\%$