

1. Number of parameters (7) in the TwitterClient constructor.
2. Group some of the related parameters in the TwitterClient constructor and create a class so that the parameters can be encapsulated into an object. For example, filterParameterFetcher, twitterStreamProcessor, and baseUrl can be encapsulated into a single object.
3. Yes, the maximum cyclomatic complexity is 10, which is less than 15.
4. 3 paths.
5. Afferent coupling is the number of packages dependent on the package. Efferent coupling is the number of packages that the package depends on. Afferent coupling can be used to determine how much risk there is on breaking existing code elsewhere. Efferent coupling can be used to determine the risk of a package changing and breaking the project. Both should be low.
6. Effectiveness =  $806 / (154 + 928) = 74.5\%$
7. Effectiveness =  $761 / ((154 - 53) + (928 - 753) + 948) = 62.2\%$
8. Effectiveness =  $1 - (126 / 3526) = 96.4\%$