

Robin Cooper Lab 8

Q1: The Number of Parameters metric is too high. The function is the TwitterClient constructor.

Q2: A strategy would be to move the invoked method or pass an object instead of many parameters.

Q3: The cyclomatic complexity is fine. The maximum is 10.

Q4: There are 3 paths in backOff. If backOffMillis == 0, one path would be taken. Otherwise, two other paths are possible depending on the relationship of backOffMillis to capMillis.

Q5: Afferent coupling is the amount of packages that depend on a class. Efferent coupling is the amount of other packages a class depends on. They can be used to see how well packages are connected. It's important that package functionality is separate, but it's also important that packages support each other.

$$\text{Q6: } \frac{806}{928 + 154} = .745$$

$$\text{Q7: } \frac{761}{948 + 928 + 154 - 806} = .622$$

$$\text{Q8: } \frac{3526 - 126}{3526 - 3} = .965$$