Unit 5 - Exploring the Cyclomatic Complexity's Relevance Today

Cyclomatic Complexity is a complexity measurement used for measuring how complex a source code is. If the code contains a high number of decisions, the higher the Cyclomatic Complexity's count will be. The lower the cyclomatic complexity count, the better the code and the easier it is to test (Britton, n.d).

Cyclomatic Complexity is a useful and widely used tool for managing and limiting the code complexity and determine how many test cases are required (Britton, n.d).

I believe that Cyclomatic Complexity is still relevant nowadays but in a lower degree. Programmes and applications nowadays become more and more complex and the need for testing is important in both functional and security aspects. While a more complex programme does not necessarily mean harder code for testing (for example a software developer can replace conditionals with polymorphism) the Cyclomatic Complexity tool can provide a first indication of how efficient and "clean" a code is.

References:

Britton, J. (n.d) What Is Cyclomatic Complexity? Available from: https://www.imperva.com/learn/application-security/buffer-overflow/ [Accessed 25 May 2021].