ZXing:version(3.3.1):169766

Apache commons colelctions:version(4.4):121108

Apache commons io:version(2.6):50k

## **Correlation between Code Coverage and Post-Release Defect Density**

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| --- | --- | --- | --- | --- | --- |
| **Project Name** | **M1- Statement Coverage** | **M2-Branch**  **Coverage** | **M4-Average Cyclomatic Complexity** | **Spearman Correlation (M1 & M4)** | **Spearman Correlation (M2 & M4)** |
| Apache Commons Collections | 51% | 82% | 12.3 | 0.42417  *p* (2-tailed) = 0.04913 | -0.16242  *p* (2-tailed) = 0.47018 |
| Apache Commons Configuration | 89% | 83% | 14.7 | 0.04871  *p* (2-tailed) = 0.85783 | -0.23174  *p* (2-tailed) = 0.38781 |
| Apache Commons DbUtils | 64% | 77% | 7.1 | -0.66689,  *p* (2-tailed) = 0.21889 | -0.5  *p* (2-tailed) = 0.391 |

Table-1: Showing Statement Coverage, Branch Coverage, and Cyclomatic complexity.