**RQ1:**

boto

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Release | Dynamic features—changes | Dynamic features— no changes | No dynamic features— changes | No dynamic features— no changes | P-values | OR |
| 2.0 |  |  |  |  | **<0.01** | 3.73 |
| 2.2.0 |  |  |  |  | **<0.01** | 2.15 |
| 2.6.0 |  |  |  |  | 0.1356 | 1.48 |
| 2.9.0 |  |  |  |  | **<0.01** | 1.97 |
| 2.20.0 |  |  |  |  | **<0.01** | 4.18 |
| 2.28.0 |  |  |  |  | **<0.01** | 2.11 |
| 2.34.0 |  |  |  |  |  |  |

**RQ2:**

boto

|  |  |  |
| --- | --- | --- |
| Release | M-W | Cohen |
| 2.0 | **<0.01** | 0.38 (small) |
| 2.2.0 | **<0.01** | 0.60 (medium) |
| 2.6.0 | **0.02** | 0.16 (negligible) |
| 2.9.0 | **<0.01** | 0.30 (small) |
| 2.20.0 | **<0.01** | 0.54 (medium) |
| 2.28.0 | **<0.01** | 0.38 (small) |
| 2.34.0 |  |  |

**RQ3:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Version ID  Dynamic Features | 2.0 | 2.2.0 | 2.6.0 | 2.9.0 | 2.20.0 | 2.28.0 | 2.34.0 |
| introspection | 0.26 | **<0.01** | 0.40 | 0.51 | **<0.01** | **<0.01** |  |
| object changes | 0.06 | 0.06 | 0.54 | **0.03** | **<0.01** | 0.27 |  |
| code generation | 0.53 | 0.24 | NA | NA | 0.43 | 0.35 |  |
| library loading | 0.32 | 0.69 | 0.68 | 0.17 | 0.51 | 0.46 |  |

boto