**OQ Report**

# **Purpose**

The purpose of this document is to verify and document that RStudio operates as intended and meets the defined operational requirements under actual conditions of use on Windows and macOS.

# **Scope**

This IQ report applies to the installation of RStudio on Windows and macOS.

# **Responsibilities**

**Tester:** Responsible for executing the test scripts and documenting results.

**Validator:** Responsible for reviewing test results and ensuring compliance with acceptance criteria.

**Approver:** Responsible for approving the OQ report

# **Prerequisites**

* Installation Qualification (IQ) completed and approved.
* Test environment prepared and validated.
* Required dependencies installed (e.g., R version).

# **Test plan**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Script ID** | **Test Objective** | **Test result** | |  | | --- | | **Pass/Fail** |  |  | | --- | |  | | **Comments** |
| 1 | RStudio libraries loaded successfully. | All libraries loaded successfully. |  |  |
| 2 | Data is simulated correctly | Header is displayed |  |  |
| 3 | Data is manipulated correctly | Header is displayed |  |  |
| 4.1 | T test is performed correctly | Test result is displayed |  |  |
| 4.2 | Linear regression is performed correctly | Test result is displayed |  |  |
| 4.3 | ANOVA is performed correctly | Test result is displayed |  |  |
| 5 | Graphical representation is executed correctly | Scatter plot is displayes |  |  |
| 6. | Saving and displaying as .png is performed correctly | Scatter plot is saved as a .png and displayed |  |  |
| 7. | Saving as .xlsx is performed correctly | The file 'manipulated\_data.xlsx' exists in the working directory |  |  |
| 8. | Results are the same as in SAS | Results are the same as in SAS |  |  |

# **Deviations and Resolutions**

|  |  |  |
| --- | --- | --- |
| Deviation | Resolution | Date Resolved |
|  |  |  |

# **Attachments**

Output file generated during testing – OQ-sym-report.

# **Approval**

|  |  |  |  |
| --- | --- | --- | --- |
| Role | Name | Signature | Date |
| Prepared By |  |  |  |
| Reviewed By |  |  |  |
| Approved By |  |  |  |