**Day 10 – 15/07/2021**

Tasks for today**:**

***Documentation and Methodology for Graph Plotting.***

Data Analysis –

**risto.py -- Robot Framework's Historical Reporting Tool**

risto.py is a tool for plotting graphs about test execution history based on statistics read from Robot Framework output files. Actual drawing is handled by Matplotlib tool, which must be installed separately.

risto.py plots graphs about test execution history, based on statistics read from Robot Framework's XML output files. By default, it draws total, passed and failed graphs for critical tests and all tests, but it is possible to omit some of these graphs and also to add graphs by tags.

Names of test rounds that are shown on the x-axis are, by default, obtained from the paths to input files. Alternatively, names can be obtained from the metadata of the top-level test suite (for more information, see Robot Framework's *--metadata* option).

Graphs are saved to a file specified with the *--output* option, and the output format is determined by the file extension. The supported formats depend on the installed Matplotlib back-ends, but at least PNG ought to be always available. If the output file is omitted, the graph is opened into Matplotlib's image viewer (which requires Matplotlib to be installed with some graphical front-end).

Text

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