**Viewing reports and figures output by MRIQC in the notebook**

By starting from MRIQC documentation to install and run containerized version using docker run **-**it poldracklab**/**mriqc:latest **-**v this error message was returned:

$ docker run -it poldracklab/mriqc:latest -v

usage: mriqc [-h] [--version]

[--participant\_label PARTICIPANT\_LABEL [PARTICIPANT\_LABEL ...]]

[--session-id SESSION\_ID [SESSION\_ID ...]]

[--run-id RUN\_ID [RUN\_ID ...]] [--task-id TASK\_ID [TASK\_ID ...]]

[-m [{T1w,bold,T2w} [{T1w,bold,T2w} ...]]] [-w WORK\_DIR]

[--report-dir REPORT\_DIR] [--verbose-reports] [--write-graph]

[--dry-run] [--profile] [--use-plugin USE\_PLUGIN] [--no-sub]

[--email EMAIL] [-v] [--webapi-url WEBAPI\_URL]

[--webapi-port WEBAPI\_PORT] [--upload-strict] [--n\_procs N\_PROCS]

[--mem\_gb MEM\_GB] [--testing] [-f] [--ica] [--hmc-afni]

[--hmc-fsl] [--fft-spikes-detector] [--fd\_thres FD\_THRES]

[--ants-nthreads ANTS\_NTHREADS] [--ants-float]

[--ants-settings ANTS\_SETTINGS] [--deoblique] [--despike]

[--start-idx START\_IDX] [--stop-idx STOP\_IDX]

[--correct-slice-timing]

bids\_dir output\_dir {participant,group} [{participant,group} ...]

mriqc: error: the following arguments are required: bids\_dir, output\_dir, analysis\_level

So, after trying different ways, by switching to Anaconda command prompt the installation of MRIQC was successful using pip install mriqc. However, at the start it returned an error that requires Microsoft Visual C++ Compiler for Python 2.7 to be installed. By installing this compiler manually and again using pip install mriqc and using jupyter notebook command in Anaconda it mriqc could be imported.

The task here is to provide a visual report for MRIQC as a BIDS App. So, using the documentation provided in <http://mriqc.readthedocs.io/en/stable/reports.html> it is possible to use mriqc.report packages for jupyter to encapsulates report generation functions for individuals. In this tutorial I used the source code provided by Oscar Esteban for mriqc.reports.individual.