SyNaLoTA, a web infrastructure for astrophysical data analysis and exploration

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On top of modern large astrophysical data repositories, a fast, flexible, portable and efficient system for data analysis and exploration is required. We present SyNaLoTA (Systems from Naples for Long Term Analysis), a web based infrastructure, specialized in monitoring, analysis and visualization
of scientific data. Initially designed and under development for the ESA Euclid Mission Instrument Operation Team, it can be easily tuned and extended to pursue data exploration within
any astrophysical context. Its embedded services, like dynamic plots and diagrams, interactive handling of images, advanced statistical tools, can be extended and calibrated for any kind of astrophysical investigation, including also machine and deep learning facilities.

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