causal-inference raster correlation high-performance-computing linear-algebra statistical-analysis nested-sampling image-analysis bayesian-statistics biology covid-19 spatial-analysis experiments computational-chemistry electrophysiology julialang algorithms openmp bayesian topology molecular-dynamics scikit-learn neural-networks matplotlib feature-extraction meteorology api-client mathema graph-algorithms explainable-ai robotics mcmc C graph-theory research  $\frac{m}{m}$ cpp17 pandasgui mapping cppsclence regression neuroimaging archaeology network-analysis psychology plus-plus fourier weather-data gaussian-processes materia finite-elements neural oceanography microbiome -analysis pypi artificial-intelligence monte-carlo particles forecasting time-series data-mining reproducibility atmospheric-modelling signal-processing parallel-computing differential-equations numerical-methods australia