correlation petsc epidemiology correlation petsc epidemiology causal—inference purier parallel—computing feature—extraction differential—equations linear—algebra finite—element—methods molecular—dynamics climate—change artificial-intelligence topology signal-processing graph-theory dynamics bayesian - statistics netcdf neuroscience text-mining image-processing kinematics meteorology data-mining ode bay alysis plotting visualisation dataviz analysis esian-inference biology matrix math m mathematics classification pde jupyter neural-network eeg javascript spectroscopy bidsmaterials-science scipy docker gis cosmology music clustering tensorflow ta-anai api temoptics oss science numba cuda austrana model package monte-carlo parser bayesian research matplotlibmcmc database climate \emptyset graph biom librarygenomics o del pipeline Java parallel chemistry <mark>ത</mark>്pca geophysics ecology containers geospatial 0 geometry regression mapping hpc experiments spatial-analysis hep closember reproducibility psychology oceanography dataset forecasting finite-elements network neuroimaging annotations inference ting graph—algorithms hdf5 neural—networks ger scientific-computing explainable-ai pathogen algorithms time-series-analysis computational-chemistry julia-language reproducible-research statistical-analysis