julialang electrophysiology materials-science meteorology mixed-models anova singularity bayesian—inference tensorflow topology network ocean astrophysics correlation sequencing genomeneural sequencing neuroscience hep model tensorsreproducibility ripser dmrg text-mining inference jvm glm f api-client spectroscopy engineering weather html containers hydrology algorithm geometry _{keras} easystats scipy geophysics fem chaos energybayesian ucsc bids_{Si} mulatar map api $\bar{3}d$ ₩ library data-analysis Statistics memc climate rest-api pathogen models er-review dynamics geosciences petsc kinematics cosmology analysis neural-networks deep tidy-data homology neuroimaging energy-system c-plusplus dataexoplanets global-health reproducible-research database hydrodynamics particle computer-vision