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optics workflow gen genomics julia-language easystats archaeologyneuroimaging ime-series-analysis cosmology explainable-ai segmentationregression scientific—computing joss data—mining jupyter point—cloud database numba singularity modelling<sub>hdf5</sub> computational-chemistry reproducibility nested-sampling statistics matrix parallel-computing optimisation patial-analysis dynamical-systems epidemiology limensionality-reduction spatial-analysis convolutional-neural-networks robust-statistics dynamical-systems dimensionality-reduction microscopy registration