

SciPy Reference

Prepared for Deepthi – Python Data Analysis Library Reference

SciPy subpackages include `scipy.stats` (`ttest_ind`, `ttest_rel`, `chisquare`, `chi2_contingency`, `shapiro`, `normaltest`, `pearsonr`, `spearmanr`, `zscore`), `scipy.optimize` (`minimize`, `curve_fit`), `scipy.integrate` (`quad`, `trapez`, `simps`), `scipy.signal` (`find_peaks`, `butter`, `filtfilt`), `scipy.spatial` (`pdist`, `cdist`, `KDTree`, `BallTree`), `scipy.linalg` (`svd`, `eig`, `eigh`, `inv`, `solve`, `det`), `scipy.interpolate` (`interp1d`, `griddata`), `scipy.io` (`loadmat`, `savemat`, `wavfile.read`, `wavfile.write`), `scipy.ndimage` (`gaussian_filter`, `label`, `measurements`).