

# Using R for Statistical Seismology

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Statistical Seismology is a relatively new field which applies statistical methodology to earthquake data in an attempt to raise new questions about earthquake mechanisms, to characterise aftershock sequences and to make some progress towards earthquake prediction.

A suite of R packages, known as SSLib, is available for use with Statistical Seismology in general, but also with some applications outside this field. This presentation will introduce the packages, describe the way certain special features of R have been crafted to a framework for researchers in the field and demonstrate some of the exploratory data analysis functions available within the packages.