



Department of Decision Sciences

Statistics Seminars

## On the Sliding Block Maxima Method in Extreme Value Statistics

**Axel Bucher**

Mathematisches Institut der Heinrich-Heine-Universität Dusseldorf

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12:00 pm Room AS02 Via Roentgen 1 Milano

### Abstract

The core of the classical block maxima method in (multivariate) extreme value statistics consists of fitting an extreme value distribution to a sample of maxima over blocks extracted from an underlying time series. Traditionally the maxima are taken over disjoint blocks of observations of a fixed size. Alternatively, the blocks can be chosen to slide through the observation period in an overlapping way yielding a larger number of blocks. We consider respective estimation methods and show that they are asymptotically more efficient than competing estimators based on disjoint blocks.