

Some Procedures For Identifying Hotspots

Prof. Rajendra G. Gurao*

Brihan Maharashtra College of Commerce, Pune, India rggurao.bmcc@gmail.com

Prof. Dr. Sharad Gore

Department of Statistics, Savitribai Phule Pune University, Pune, India sharaddgore@gmail.com

Abstract: The word hotspot was first coined by British biologist Norman Myers in 1988. After the general acceptance of the term hotspot it became common to use the term in different domains of investigation. Hotspots means something unusual, outbreak, anomalous. Therefore it is needed for monitoring, or used for early warning. In the statistical literature, hotspots are variously described as extreme observations, outliers, anomalous observations, and so on. Extreme values are excessively large or excessively small observations. Outliers are observations that are sufficiently away from the majority of observations to create a doubt about their belonging to the same population as all the other observations. In the present paper we discuss some previous procedure of identifying outliers and we suggest some new procedures to do so.

Key Words: extreme values, statistical tests, outliers.