
Abstract. Anomalies in Wireless Sensor Networks (WSNs). (i) Isolated and epoch anomalies internal to a node; aberrant behavior of an entire node; and anomalous subtrees. (ii) Models that use data capture by level sets of ellipsoids (iii) Models that use visual assessment of elliptical summaries (iv) Measures of (dis)similarity on sets of ellipsoids (v) Visual evidence for cluster tendency in sets of ellipsoids (vi) Numerical examples using single linkage clustering on real WSN data from the IBRL network, the Great Barrier Reef Ocean Observation System, and the Grand St. Bernard pass.

Wahoo, Giant Trevally, Maui, Hawaii