

Distribution of Earth Scientific Information estimated using RK and Display by Google Earth

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RK, Regression Kriging, is one of the spatial statistical method for estimating some distribution from the discrete spatial sampled dataset about the research field. RK uses the kriging method (Matheron, 1973) with some auxiliary map to minimize the estimated error. The RK procedure was performed by the R-Language (Ihaka and Gentleman, 1996) using some geostatistical libraries. The auxiliary maps required by RK were prepared by the authors with some GIS applications. The 3-dimensional geographic representations for the estimated distribution were performed by the Google Earth (Google, 2011).

Keywords: Ordinary Kriging, Regression Kriging, Auxiliary maps, R-Language, Google Earth