

台灣溪河輕艇活動遊憩潛力評估與空間分析之研究

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摘要

In recent years, people attach importance to health-oriented leisure life, thereby promoting the development of water activities, such as: swimming, kayak & canoe, diving. Therefore, surveys were derived from five renowned canoeing/kayaking locations in Taiwan, including Wulai-Nanshi River, Nantou-Shuili River, Kaohsiung-Laonong River, Kaohsiung-Zhuokou River, and Hualien-Siouguluan River. The goal of this paper is to assess the recreation potential value, some statistical method were used including the model from the reference of "Study of Constructing Evaluation Indicators for Developing Whitewater Kayaking & Canoeing in Taiwan." of Huang et al. (2008), the linear addition, Gray Relational Analysis (GRA) and Multidimensional Scaling etc.

The results were shown that: (1) Items of area, water quality and water temperature were shown no validity in the model, and therefore be deleted. And the analysis of consistency from different evaluators showed good consistency and high reliability. (2) Different section of the river showing different environmental characteristics has also shown the difference potential and value. (3) The comparison of the recreation potential among each river by using MDS, the higher potential value show the shorter distance with Siouguluan River.

關鍵字 : River Recreation Evaluation, Gray Relational Analysis, Multidimensional Scaling