CALL FOR COOPERATION – Markku Kuismin

I am an early-stage researcher in the field of statistics. I want to improve my position as an independent researcher, and to achieve this, I aim to meet new international collaborators with shared research interests.

Thus, I am seeking collaboration with university research partners. Specifically, I am looking for individuals with strong skills in the field of statistics (mainly frequentist methods), machine learning, and probability theory. I am interested in researchers who want to share novel ideas, collaborate on various research activities, support each other's research, including real-world applications, coding, algorithm development, manuscript drafting (co-authorship), research visits, and seminar arrangements. I welcome enthusiastic PhD students and early-career researchers who are interested in high-dimensional statistical method development.

I aim to establish a new project focused on developing a novel, multivariate nonparametric statistical testing framework. The method is simple to execute and understand, and very versatile. With minor modifications, it can be used to compare distributions, medians, groups, categorical data, k-sample problems, statistical independence, and more, in arbitrary dimensions. I want to investigate whether tests derived using this novel framework will have better statistical power and other advantageous properties compared to state-of-the-art methods. The primary goal of this project is to enhance knowledge about statistical hypothesis testing and improve the reliability of statistical inference. Currently, I am applying for international (ERC) and national grants to hire PhD students and postdocs for my project.

- My web of science profile: https://www.webofscience.com/wos/author/record/LJE-7292-2024
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