Combinatorial statistics: a common theme and a few examples

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【简介】

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Acta Math., Ann. Math.　Invent. Math　CMP
CPAM　AOP　PTRF　　　　　　　　　　　　　2022
　　　ICM-2022　　45

　　　2021　7　　2021　12　　　　　　　　　　Gilbert Helman
　　　　　　　　　　　　2015　　　　　　　2017　Rollo
Davidson　　　　　　　　　　　　　　　　ICCM
　　　JAMS　CMP　AOP　AAP

【摘要】In this talk, I will overview the general flavor for the topic of "combinatorial statistics", and I will describe some recent progress on shotgun assembling problems as well as random graph matching problems. Through these examples, I wish to convey the flavor of the topic of combinatorial statistics, and why it calls for joint efforts from statisticians, probabilists, computer scientists and researchers from applied sciences. The talk is based on recent joint works in various combinations with undergraduate students Hang Du, Haoyu Liu and Zhangsong Li, as well as graduate students Shuyang Gong, Heng Ma and Yiyang Jiang from Peking University.

2023.02.28　16：00

会议地点：文萃楼G126

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