

## **Some Applications of FMCI**

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The finite Markov chain imbedding (FMCI) approach has been used successfully to study various statistics related to runs and patterns. In this talk, the use of FMCI for nonrandom DNA clusters and for a nonparametric test will be presented. The background of the selected examples will be given, followed by the formulations of FMCI for addressing the statistical challenges. The aim is to illustrate how the approach can be used in practical applications.

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