

Limit theorems for correlated Bernoulli random variables

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This poster considers a sequence of Bernoulli random variables which are dependent in a way that the success probability of a trial conditional on the previous trials depends on the total number of successes achieved prior to the trial. We study the strong law of large numbers and the central limit theorem from the paper by Barry James, Kang James and Yongcheng Qi (2008) and generalize their results concerning the strong law of large numbers.