



THE GALTON-WATSON PROCESS



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Abstract: What is the probability that an ordinary family's surname will die out? This question was posed in the late 1800s by Francis Galton, and Rev. H. W. Watson sought to answer the problem with a new mathematical model: the Galton-Watson process. We will analyze this model for ourselves using basic probability and calculus. Along the way we will be introduced to probability generating functions and see their incredible utility in analyzing discrete random variables.



MONDAY, JANUARY 14 - 3:10 PM

Franklin Miller, Jr. Lecture Hall - Hayes 109

MATH MONDAY - SPRING 2019

