In this talk, I will present two problems on discrete probability.

One problem is related to the well-known Automobile - Goat problem of Marylyn vos Savant.

The other problem is about patterns in coin tossing and its connection to Fibonacci sequences. A rudimentary knowledge of probability will suffice to follow the trend of the talk.

Dr. Raos research interests include applications of statistical methodologies in bioinformatics; calibrating an electronic nose in testing food safety; classification and clustering techniques in medical diagnostics; sample size determination in biomedical research; analysis of familial data and longitudinal data analysis; false discovery rates. Dr. Rao also has considerable research interests in Probability and Mathematics.

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