



PI Math Club and Pi Mu Epsilon  
are pleased to present a talk

## **An Analysis of Pass-the-Pigs**

by

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Pass-the-Pigs is a popular game in which two pig-shaped dice are rolled. We analyze the game using a Bayesian model based on a data set of three thousand rolls of the pigs. We discuss how the model can be used to choose strategies in the game. Key Bayesian concepts are illustrated in the search for an optimal strategy. We also discuss how related Bayesian models can be used to solve other real world problems.

**Thursday, April 10**

**3 PM**

**KT 220**

**Free pizza and pop following the talk for those attending!**

**Open to all interested students.**