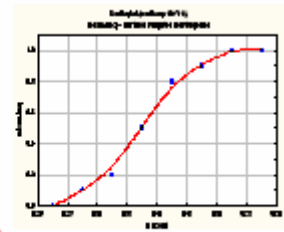


# Statistics



Research (StaR) Colloquium

## Seminar

Dept of Mathematics and Statistics  
King Fahd University of Petroleum and Minerals

<b>Presenter</b>	<b>Dr. Mohammad H. Omar</b> <b>Mathematics and Statistics Dept</b> <b>KFUPM</b>
<b>Title</b>	<b>Permutation-based Actuarial Present Values</b>
<b>Topic &amp; (Level)</b>	Actuarial Science (Present values, Permutation, Methodology)
<b>Audience</b>	All KFUPM community are cordially Invited
<b>Date</b>	Sunday, Oct 19, 2008
<b>Time</b>	<b>1:00 PM - 1:50 PM</b>
<b>Location</b>	Building 5, Smart Classroom # 203

### Abstract

Benefit, premium, and risk in insurance have traditionally been calculated based on fixed interest rates. When investment rates are not fixed and/or future rates are unknown, several researchers have suggested modeling of these rates prior to actuarial present value calculations. Among these are methods that assume auto-regressive models and likely scenarios for interest or investment rates. In this article, on the other hand, we explore these calculations from the perspective of nonparametric permutation of investment yields. Results, advantages, and disadvantages of this method are outlined in this article.

*Tea and Coffee will be served*