



AMERICAN UNIVERSITY  
WASHINGTON, D C

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THE DEPARTMENT OF MATHEMATICS AND STATISTICS COLLOQUIUM

## Ordinal Data Inference

Gideon Samid

*President & CEO,  
ClearBIT Systems: A Division of AGS Encryptions Ltd.*

3:30 p.m. on Tuesday, September 16<sup>th</sup>

Bentley Lounge  
Gray Hall Room 130

**Abstract:** When data is expressed as binary preferences, it is devoid of metrics. Yet the prevailing statistical inference methods invariably map such data on a metric space, and thereby introduce an arbitrary input that skews the results. We talk about an alternative that honors the ordinal nature of such data. The method is akin to neural networks, and is inherently self improving through feedback.

*Presented by*

THE AU MATH/STAT DEPARTMENT AND THE AU CHAPTER OF SIGMA XI

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Next Colloquium:

**Tuesday, September 23, 2003** 130 Gray Hall

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**Richard Brown**, American University

*Where topology, geometry, and dynamical systems meet*

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