



**INSTITUT SAINS MATEMATIK  
UNIVERSITI MALAYA  
SIRI KOLOKIUUM**

**Tajuk:** General Seminar on Information Theory and its Statistical Applications

**Penceramah:** D.V. Gokhale (University of California, Riverside)

**Tarikh:** 22 Mac 2006 (Rabu)

**Tempat:** MM3, INSTITUT SAINS MATEMATIK

**Masa:** 10:00 am – 11:00 am

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**Tajuk:** Application of IPF Algorithms in Synthetic Data Generation

**Penceramah:** D.V. Gokhale (University of California, Riverside)

**Tarikh:** 22 Mac 2006 (Rabu)

**Tempat:** MM3, INSTITUT SAINS MATEMATIK

**Masa:** 3:00 pm – 4:00 pm

**Abstract**

Generation of synthetic data sets is commonly used in areas such as fraud detection, homeland security and manufacturing processes. The complete data may be in the form of an extremely large contingency table, while the available data may be in the form of subtables. The subtables may be of much lower order and may have incongruent marginal totals, having come from different sources. The aim is to arrive at a single “estimate” of the complete table by combining all available data. This talk will focus on the application iterative proportional fitting (IPF) algorithms in such situations.

**SEMUA DIJEMPUT HADIR**