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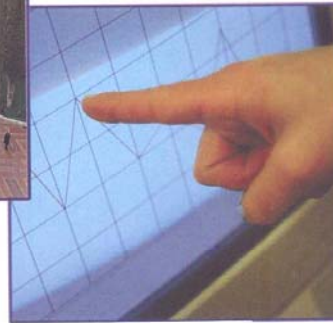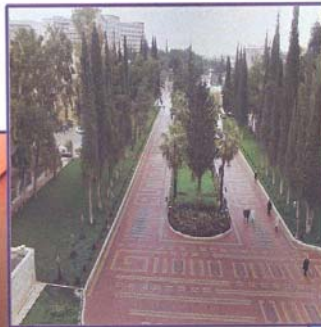University of Aleppo 1958 - 2008

Research Abstracts

The First International Conference Of Mathematical Statistics

University of Aleppo, Faculty of Science

April 22-24, 2008

FICMS

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عنوان المحاضرة:
Nonparametric Regression Function Estimation by Wavelets

١٠,٤٠-١٠,٢٠
المحاضر :

الدكتور محمد بشير حسن راضي العامري
جامعة بغداد / كلية التربية للبنات / قسم التاريخ

عنوان المحاضرة : الإحصاء الرياضي في التراث العربي الإسلامي ،وأبرز علماءه و مؤلفاتهم و نظرياتهم

١١,٠٠-١٠,٤٠
المحاضر :

NURI H. BADI and MOHAMED M. MEKAEIL

Statistics Department, Faculty of Science , Garyounis University,

Benghazi- Libya

عنوان المحاضرة:
Application of exponential smoothing and Box and Jenkins to celebrated non-stationary set of data

١١,٢٠-١١,٠٠
المحاضر :

Ahmed M. Mami, and Ali M. Bala

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عنوان المحاضرة:
On Treatment of The Multivariate Missing Data

١١,٤٠-١١,٢٠
المحاضر :

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قسم الإحصاء / كلية العلوم/ جامعة الفاتح

عنوان المحاضرة:
التصميم الاقتصادي الأمثل لخريطة $\overline{X}$ لمراقبة جودة منتج عملية إنتاجية محدودة

١٢,٠٠-١١,٤٠

أ. وفاء عيسى
ية دكتوراه في قسم الإحصاء والبرمجة
كلية الاقتصاد- جامعة حلب

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-جامعة الموصل-الموصل-

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Nonparametric Regression Function Estimation by Wavelets

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Abstract:
The filed of nonparametric function estimation has broadened its appeal in recent years with an array of new tools for statistical analysis. In particular, theoretical and applied research on the filed of wavelets has had noticeable influence on statistical topics such as nonparametric regression, nonparametric density estimation and many other related topics. The main purpose of this paper is to give a review on recent advances of wavelet in statistics and includes some recent developments in nonparametric curve estimation. The paper first establishes some necessary basic mathematical background and terminology relating to wavelets. It then reviews the well-established applications of wavelets in nonparametric regression estimation. Both "linear" and "nonlinear" wavelet estimation methods are discussed and cross-validation methods for choosing the smoothing parameter are addressed.