Local Polynomial Modelling and Its Applications

J. Fan and I. Gijbels

Local Polynomial Modelling And Its Applications

Brendan G. Carr

Local Polynomial Modelling And Its Applications:

     Local Polynomial Modelling and Its Applications Jianqing Fan,2018-05-02 Data analytic approaches to regression problems arising from many scientific disciplines are described in this book The aim of these nonparametric methods is to relax assumptions on the form of a regression function and to let data search for a suitable function that describes the data well The use of these nonparametric functions with parametric techniques can yield very powerful data analysis tools Local polynomial modeling and its applications provides an up to date picture on state of the art nonparametric regression techniques The emphasis of the book is on methodologies rather than on theory with a particular focus on applications of nonparametric techniques to various statistical problems High dimensional data analytic tools are presented and the book includes a variety of examples This will be a valuable reference for research and applied statisticians and will serve as a textbook for graduate students and others interested in nonparametric regression   **Local Polynomial Modelling and Its Applications** Jianqing Fan,1996   Local Polynomial Modelling and Its Applications Jieping Fan,I. Gijbels,2003   Local Polynomial Modelling and Its Applications Jianqing Fan,Irene Gijbels,1996-03-01 Data analytic approaches to regression problems arising from many scientific disciplines are described in this book The aim of these nonparametric methods is to relax assumptions on the form of a regression function and to let data search for a suitable function that describes the data well The use of these nonparametric functions with parametric techniques can yield very powerful data analysis tools Local polynomial modeling and its applications provides an up to date picture on state of the art nonparametric regression techniques The emphasis of the book is on methodologies rather than on theory with a particular focus on applications of nonparametric techniques to various statistical problems High dimensional data analytic tools are presented and the book includes a variety of examples This will be a valuable reference for research and applied statisticians and will serve as a textbook for graduate students and others interested in nonparametric regression   **Computational Science and Its Applications - ICCSA 2008** Osvaldo Gervasi,Beniamino Murgante,Antonio Laganà,Youngsong Mun,David Taniar,2008-06-24 The two volume set LNCS 5072 and 5073 constitutes the refereed proceedings of the International Conference on Computational Science and Its Applications ICCSA 2008 held in Perugia Italy in June July 2008 The two volumes contain papers presenting a wealth of original research results in the field of computational science from foundational issues in computer science and mathematics to advanced applications in virtually all sciences making use of computational techniques The topics of the fully refereed papers are structured according to the five major conference themes computational methods algorithms and scientific applications high performance technical computing and networks advanced and emerging applications geometric modelling graphics and visualization as well as information systems and information technologies Moreover submissions from more than 20 workshops and technical sessions in the areas such as embedded systems geographical analysis computational geometry computational geomatics computer graphics virtual reality

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