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building upon the sequence of topics of the popular 5th edition linear algebra with applications alternate seventh edition provides instructors with an alternative presentation of course material in this edition earlier chapters cover systems of linear equations matrices and determinates the vector space  $\mathbb{R}^n$  is introduced in chapter 4 leading directly into general vector spaces and linear transformations this order of topics is ideal for those preparing to use

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this book gives an account of recent developments in the field of probability and statistics for dependent data it covers a wide range of topics from markov chain theory and weak dependence with an emphasis on some recent developments on dynamical systems to strong dependence in times series and random fields there is a section on statistical estimation problems and specific applications the book is written as a succession of papers by field

specialists alternating general surveys mostly at a level accessible to graduate students in probability and statistics and more general research papers mainly suitable to researchers in the field

this introduction to time series analysis has been written for undergraduates and postgraduates and assumes some basic statistical knowledge using a general state space model the authors draw together methodologies to enable the development of methods for estimation and forecasting

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