## Contents

| Preface |  | ix  |
|---------|--|---|
| Co      | ontributors  | >   |
| 1       | Economic forecasts: their relevance and use David Currie   | 1   |
|         | <ul><li>1.1 Introduction</li><li>1.2 Forecasting</li><li>1.3 The future research agenda</li></ul>  | 1<br>1                                      |
| 2       | Time series forecasting Stephen Hall   | Ş   |
|         | <ul> <li>2.1 Introduction</li> <li>2.2 Some basic concepts</li> <li>2.3 Ad hoc forecasting procedures</li> <li>2.4 The Box-Jenkins approach</li> <li>2.5 The 'structural time series' forecasting model</li> <li>2.6 Multivariate time series forecasting</li> <li>2.7 Non-linearities and forecasting</li> <li>2.8 Conclusions</li> </ul> | 9<br>10<br>14<br>17<br>19<br>21<br>22<br>28 |
| 3       | VAR modelling  Donald Robertson and Michael Wickens  | 29  |
|         | <ul> <li>3.1 Introduction – why VAR modelling?</li> <li>3.2 VAR modelling with stationary variables</li> <li>3.3 VAR modelling with non-stationary variables</li> <li>3.4 Bayesian VARs</li> <li>3.5 An empirical example</li> <li>Notes</li> </ul>  | 29<br>30<br>32<br>38<br>40<br>46            |

| 4 | Measuring and forecasting underlying economic activity  Anthony Garratt, Stephen Hall and Brian Henry     | 48       |
|---|---|----------|
|   | <ul><li>4.1 Introduction</li><li>4.2 The Stock and Watson approach</li></ul>                              | 48<br>49 |
|   | 4.3 Stochastic trends and cointegration   | 50       |
|   | 4.4 Construction of a new coincident index  | 54       |
|   | 4.5 Constructing different measures of economic activity  | 56       |
|   | 4.6 Conclusions Notes   | 66<br>67 |
| 5 | The macromodelling industry: structure, conduct and   |          |
|   | performance<br>Ron Smith  | 68       |
|   | 5.1 Introduction  | 68       |
|   | 5.2 Structure   | 71       |
|   | 5.3 Conduct   | 73       |
|   | 5.4 Performance   | 76       |
|   | 5.5 Tentative conclusions Notes   | 86       |
|   | NOICS   | 87       |
| 6 | Expectations, learning and empirical macro-economic models<br>David Currie and Stephen Hall               | 89       |
|   | 6.1 Introduction  | 89       |
|   | 6.2 Background to expectations mechanisms   | 91       |
|   | 6.3 Expectations and linear models  | 95       |
|   | 6.4 Expectations and non-linear models 6.5 Conclusion   | 97       |
|   | 0.5 Conclusion  | 109      |
| 7 | Forecasting in practice  Geoffrey Dicks and Andrew Burrell  | 110      |
|   | 7.1 Introduction  | 110      |
|   | 7.2 The forecasting process: an overview  | 110      |
|   | 7.3 The forecasting industry  | 112      |
|   | 7.4 The starting position 7.5 The current position  | 115      |
|   | position  | 123      |
|   | <ul><li>7.6 Conjunctural analysis</li><li>7.7 The short-run outlook</li></ul>                             | 127      |
|   | 7.8 The role of survey data in economic former.   | 130      |
|   | <ul><li>7.8 The role of survey data in economic forecasting</li><li>7.9 The medium-term outlook</li></ul> | 133      |
|   | 7.10 Consensus forecasts  | 138      |
|   | 7.11 Why do forecasts differ?   | 139      |
|   | Notes   | 141      |
|   |   | 142      |

|   |  | Contents |
|---|--|----------|
| 8 | Modelling bilateral trade Chris Allen and John Whitley   | 144      |
|   | 8.1 Introduction   | 144      |
|   | 8.2 A survey of existing approaches  | 145      |
|   | 8.3 An amended bilateral trade model   | 157      |
|   | 8.4 Summary and conclusions  | 170      |
|   | Appendix   | 171      |
| 9 | Learning about monetary union: an analysis of boundedly rational learning in European labour markets Ray Barrell, Guglielmo Maria Caporale, Stephen Hall and Anthony Garratt | 173      |
|   | 9.1 Introduction   | 173      |
|   | 9.2 Implementation of boundedly rational learning  | 174      |
|   | 9.3 Learning about exchange rate realignments and oil price shocks   | 183      |
|   | 9.4 Conclusions  | 189      |
|   | Notes  | 190      |
|   | References   | 191      |
|   | Index  | 207      |