

Education

1988 B.Sc.(Hons) University of Melbourne

Current positions

2003– **Professor of Statistics**, Department of Econometrics & Business Statistics, Monash University.
2005– **Director**, International Institute of Forecasters.
2005– **Editor-in-Chief**, *International Journal of Forecasting*.
2011– **Editor**, *Journal of Statistical Software*.
1999– **Director of Consulting**, Department of Econometrics & Business Statistics, Monash University.

Honors and awards

2016 KNAW Visiting Professor, TU/Eindhoven, Netherlands.
2010 Dean's Award for excellence in innovation and external collaboration, Monash University.
2010 HP Innovation Research Award.
1986 Second Maurice H. Belz Prize in Statistics, University of Melbourne

Membership of Associations

- Member, Association for Computing Machinery
- Member, American Mathematical Society

Research

- I have received several awards for my research including the 2007 Moran Medal from the Australian Academy of Science.
- My current research projects include forecasting electricity demand, forecasting large collections of time series, and strategies for improving forecasts through bagging and boosting.
- In 2008 I won the Monash Vice-Chancellor's award for postgraduate supervisor of the year.

Grants

I have acquired (in most cases jointly) about \$4 million in external research grants since 2000.

2009	Choi, C., R.J. Hyndman, L. Smith and K. Zhao "An enhanced mortality database for estimating indigenous life expectancy: a feasibility study." <i>Funding from the Australian Institute of Health and Welfare.</i>	\$10,500
2009–2011	Erbas, B., Abramson, M., Tang, M., Allen, K., Newbiggin, E., Dharmage, S., Hyndman, R.J. "The impact of outdoor aeroallergen exposure on asthma exacerbations in children and adolescents". <i>Funding from the National Health and Medical Research Council.</i>	\$454,550

Major invited talks

- Belz lecture, *Forecasting and the importance of being uncertain*, Statistical Society of Australia, Melbourne, October 2006.
- Knibbs lecture, *Population forecasting and the importance of being uncertain*, Statistical Society of Australia, Melbourne, November 2007.
- Invited speaker, *Advances in automatic time series forecasting*, Australian Statistics Conference, Adelaide, July 2012.

Teaching

- In 1998, I received the award for “Excellence in teaching” by the Monash Science Society. This is awarded by the students of the Science faculty.

Advisory boards

- Member of the Scaling committee, Victorian Tertiary Admissions Centre. This committee is responsible for producing the ATAR for VCE students.
- Member of the Methodology Advisory Committee for the Australian Bureau of Statistics.

Publications

PhD thesis

1. Hyndman, R. J. (1992). "Continuous-time threshold autoregressive modelling". PhD thesis. The University of Melbourne.

Books

1. Brockwell, P. J., R. A. Davis, and R. J. Hyndman (1991). *ITSM: an interactive time series modelling package for the PC*. New York: Springer-Verlag.
2. Brockwell, P. J., R. A. Davis, and R. J. Hyndman (1994). *ITSM for Windows: a users guide to time series modelling and forecasting*. New York: Springer-Verlag.
3. Makridakis, S. G., S. C. Wheelwright, and R. J. Hyndman (1998). *Forecasting: methods and applications*. 3rd. New York: John Wiley and Sons. robjhyndman.com/forecasting/.
4. Hyndman, R. J., A. B. Koehler, J. K. Ord, and R. D. Snyder (2008). *Forecasting with exponential smoothing: the state space approach*. Berlin: Springer-Verlag. www.exponentialsMOOTHING.net.
5. Hyndman, R. J. and G. Athanasopoulos (2014). *Forecasting: principles and practice*. Melbourne, Australia: OTexts. OTexts.org/fpp.
6. Hyndman, R. J. (2015). *Unbelievable*. Scotts Valley, CA: CreateSpace. robjhyndman.com/unbelievable.

Refereed research papers

1. Brockwell, P. J., R. J. Hyndman, and G. K. Grunwald (1991). Continuous time threshold autoregressive models. *Statistica Sinica* **1**, 401–410.
2. Brockwell, P. J. and R. J. Hyndman (1992). On continuous-time threshold autoregression. *International Journal of Forecasting* **8**(2), 157–173.
3. Hyndman, R. J. (1993). Yule-Walker estimates for continuous-time autoregressive models. *Journal of Time Series Analysis* **14**(3), 281–296.
4. Hyndman, R. J. (1994). Approximations and boundary conditions for continuous-time threshold autoregressive processes. *Journal of Applied Probability* **31**(4), 1103–1109.
5. Hyndman, R. J. (1995). Highest-density forecast regions for nonlinear and non-normal time series models. *Journal of Forecasting* **14**(5), 431–441.
6. Hyndman, R. J. (1996). Computing and graphing highest density regions. *The American Statistician* **50**(2), 120–126.
7. Hyndman, R. J., D. M. Bashtannyk, and G. K. Grunwald (1996). Estimating and visualizing conditional densities. *Journal of Computational and Graphical Statistics* **5**(4), 315–336.
8. Hyndman, R. J. and Y. Fan (1996). Sample quantiles in statistical packages. *The American Statistician* **50**(4), 361–365.
9. Grunwald, G. K., K. Hamza, and R. J. Hyndman (1997). Some properties and generalizations of non-negative Bayesian time series models. *Journal of the Royal Statistical Society. Series B* **59**(3), 615–626.
10. Hyndman, R. J. and M. P. Wand (1997). Nonparametric autocovariance function estimation. *The Australian Journal of Statistics* **39**(3), 313–324.
11. Lajbcygier, P., A. Flitman, A. Swan, and R. J. Hyndman (1997). The pricing and trading of options using a hybrid neural network model with historical volatility. *NeuroVe\$ Journal* **5**, 27–41.
12. Grunwald, G. K. and R. J. Hyndman (1998). Smoothing non-Gaussian time series with autoregressive structure. *Computational Statistics and Data Analysis* **28**, 171–191.
13. Fraccaro, R., R. J. Hyndman, and A. Veevers (2000). Residual diagnostic plots for checking for model mis-specification in time series regression. *Australian & New Zealand Journal of Statistics* **42**(4), 463–477.
14. Grunwald, G. K., R. J. Hyndman, L. M. Tedesco, and R. L. Tweedie (2000). Non-Gaussian conditional linear AR(1) models. *Australian & New Zealand Journal of Statistics* **42**(4), 479–495.
15. Hyndman, R. J. and G. K. Grunwald (2000). Generalized additive modelling of mixed distribution Markov models with application to Melbourne's rainfall. *Australian & New Zealand Journal of Statistics* **42**(2), 145–158.
16. Bashtannyk, D. M. and R. J. Hyndman (2001). Bandwidth selection for kernel conditional density estimation. *Computational Statistics & Data Analysis* **36**(3), 279–298.
17. Erbas, B. and R. J. Hyndman (2001). Data visualisation for time series in environmental epidemiology. *Journal of Epidemiology and Biostatistics* **6**(6), 433–443.
18. Hyndman, R. J. (2001). It's time to move from "what" to "why". *International Journal of Forecasting* **17**(4), 567–570.

19. Predavec, M., C. J. Krebs, K. Danell, and R. J. Hyndman (2001). Cycles and synchrony in the Collared Lemming (*Dicrostonyx groenlandicus*) in Arctic North America. *Oecologia* **126**(2), 216–224.
20. Cai, T., R. J. Hyndman, and M. P. Wand (2002). Mixed model-based hazard estimation. *Journal of Computational and Graphical Statistics* **11**(4), 784–798.
21. Hyndman, R. J., A. B. Koehler, R. D. Snyder, and S. Grose (2002). A state space framework for automatic forecasting using exponential smoothing methods. *International Journal of Forecasting* **18**(3), 439–454.
22. Hyndman, R. J. and Q. Yao (2002). Nonparametric estimation and symmetry tests for conditional density functions. *Journal of Nonparametric Statistics* **14**(3), 259–278.
23. Racine, J. S. and R. J. Hyndman (2002). Using R to teach econometrics. *Journal of Applied Econometrics* **17**(2), 175–189.
24. Hall, P. G. and R. J. Hyndman (2003). Improved methods for bandwidth selection when estimating ROC curves. *Statistics & Probability Letters* **64**(2), 181–189.
25. Hyndman, R. J. and M. B. Billah (2003). Unmasking the Theta method. *International Journal of Forecasting* **19**(2), 287–290.
26. Rateau, F., B. Laumonier, and R. J. Hyndman (2003). Normative data for the Rosner test of visual analysis skills on an Australian population. *Optometry and Vision Science* **80**(6), 431–436.
27. Hall, P. G., R. J. Hyndman, and Y. Fan (2004). Nonparametric confidence intervals for receiver operating characteristic curves. *Biometrika* **91**(3), 743–750.
28. Hyndman, R. J. (2004). The interaction between trend and seasonality. *International Journal of Forecasting* **20**(4), 561–563.
29. Smith, L., R. J. Hyndman, and S. N. Wood (2004). Spline interpolation for demographic variables: the monotonicity problem. *Journal of Population Research* **21**(1), 95–98.
30. Snyder, R. D., A. B. Koehler, R. J. Hyndman, and J. Keith Ord (2004). Exponential smoothing models: means and variances for lead-time demand. *European Journal of Operational Research* **158**(2), 444–455.
31. Billah, M. B., R. J. Hyndman, and A. B. Koehler (2005). Empirical information criteria for time series forecasting model selection. *Journal of Statistical Computation and Simulation* **75**(10), 831–840.
32. Erbas, B. and R. J. Hyndman (2005). Sensitivity of the estimated air pollution-respiratory admissions relationship to statistical model choice. *International Journal of Environmental Health Research* **15**(6), 437–448.
33. Hyndman, R. J., M. L. King, I. Pitrun, and M. B. Billah (2005). Local linear forecasts using cubic smoothing splines. *Australian & New Zealand Journal of Statistics* **47**(1), 87–99.
34. Hyndman, R. J., A. B. Koehler, J. K. Ord, and R. D. Snyder (2005). Prediction intervals for exponential smoothing using two new classes of state space models. *Journal of Forecasting* **24**(1), 17–37.
35. Shenstone, L. and R. J. Hyndman (2005). Stochastic models underlying Croston's method for intermittent demand forecasting. *Journal of Forecasting* **24**(6), 389–402.
36. Booth, H., R. J. Hyndman, L. Tickle, and P. de Jong (2006). Lee-Carter mortality forecasting : a multi-country comparison of variants and extensions. *Demographic Research* **15**(9), 289–310.
37. De Gooijer, J. G. and R. J. Hyndman (2006). 25 years of time series forecasting. *International Journal of Forecasting* **22**(3), 443–473.
38. Hyndman, R. J. (2006). Another look at forecast-accuracy metrics for intermittent demand. *Foresight: the International Journal of Applied Forecasting* **4**, 43–46.
39. Hyndman, R. J. and A. B. Koehler (2006). Another look at measures of forecast accuracy. *International Journal of Forecasting* **22**(4), 679–688.
40. Kostenko, A. V. and R. J. Hyndman (2006). A note on the categorization of demand patterns. *The Journal of the Operational Research Society* **57**(10), 1256–1257.
41. Mandryk, J. A., J. M. Mackson, F. E. Horn, S. E. Wutzke, C.-A. Badcock, R. J. Hyndman, and L. M. Weekes (2006). Measuring change in prescription drug utilization in Australia. *Pharmacoepidemiology and Drug Safety* **15**(7), 477–484.
42. Meyer, D. and R. J. Hyndman (2006). The accuracy of television network rating forecasts: the effects of data aggregation and alternative models. *Model Assisted Statistics and Applications* **1**(3), 147–155.
43. Wang, X., K. A. Smith-Miles, and R. J. Hyndman (2006). Characteristic-based clustering for time series data. *Data Mining and Knowledge Discovery* **13**(3), 335–364.
44. Ye, A. and R. J. Hyndman (2006). Projection pursuit estimator for multivariate conditional densities (Chinese). *J. Fuzhou Univ. Nat. Sci. Ed.* **34**(6), 794–797.
45. Zhang, X., M. L. King, and R. J. Hyndman (2006). A Bayesian approach to bandwidth selection for multivariate kernel density estimation. *Computational Statistics & Data Analysis* **50**(11), 3009–3031.

46. Erbas, B., J.-H. Chang, S. C. Dharmage, E. K. Ong, R. J. Hyndman, E. Newbigin, and M. J. Abramson (2007). Do levels of airborne grass pollen influence asthma hospital admissions? *Clinical and Experimental Allergy* **37**(11), 1641–1647.
47. Erbas, B., R. J. Hyndman, and D. M. Gertig (2007). Forecasting age-specific breast cancer mortality using functional data models. *Statistics in Medicine* **26**(2), 458–470.
48. Horn, F. E., J. A. Mandryk, J. M. Mackson, S. E. Wutzke, L. M. Weekes, and R. J. Hyndman (2007). Measurement of changes in antihypertensive drug utilisation following primary care educational interventions. *Pharmacoepidemiology and Drug Safety* **16**(3), 297–308.
49. Hyndman, R. J. and A. V. Kostenko (2007). Minimum sample size requirements for seasonal forecasting models. *Foresight: the International Journal of Applied Forecasting* **6**, 12–15.
50. Hyndman, R. J. and S. Ullah (2007). Robust forecasting of mortality and fertility rates: A functional data approach. *Computational Statistics & Data Analysis* **51**(10), 4942–4956.
51. Kim, J. H., P. Silvapulle, and R. J. Hyndman (2007). Half-life estimation based on the bias-corrected bootstrap: A high-density region approach. *Computational Statistics & Data Analysis* **51**(7), 3418–3432.
52. Athanasopoulos, G. and R. J. Hyndman (2008). Modelling and forecasting Australian domestic tourism. *Tourism Management* **29**(1), 19–31.
53. Gould, P. G., A. B. Koehler, F. Vahid, R. D. Snyder, J. K. Ord, and R. J. Hyndman (2008). Forecasting time series with multiple seasonal patterns. *European Journal of Operational Research* **191**(1), 205–220.
54. Hyndman, R. J., M. Akram, and B. C. Archibald (2008). The admissible parameter space for exponential smoothing models. *Annals of the Institute of Statistical Mathematics* **60**(2), 407–426.
55. Hyndman, R. J. and H. Booth (2008). Stochastic population forecasts using functional data models for mortality, fertility and migration. *International Journal of Forecasting* **24**(3), 323–342.
56. Hyndman, R. J. and Y. Khandakar (2008). Automatic time series forecasting : the forecast package for R. *Journal of Statistical Software* **26**(3), 1–22.
57. Magnano, L., J. W. Boland, and R. J. Hyndman (2008). Generation of synthetic sequences of half-hourly temperature. *Environmetrics* **19**(8), 818–835.
58. Akram, M., R. J. Hyndman, and J. K. Ord (2009). Exponential smoothing and non-negative data. *Australian & New Zealand Journal of Statistics* **51**(4), 415–432.
59. Athanasopoulos, G., R. A. Ahmed, and R. J. Hyndman (2009). Hierarchical forecasts for Australian domestic tourism. *International Journal of Forecasting* **25**(1), 146–166.
60. De Silva, A., R. J. Hyndman, and R. D. Snyder (2009). A multivariate innovations state space Beveridge-Nelson decomposition. *Economic Modelling* **26**(5), 1067–1074.
61. Hyndman, R. J. and H. L. Shang (2009). Forecasting functional time series (with discussion). *Journal of the Korean Statistical Society* **38**(3), 199–221.
62. Ord, J. K., A. B. Koehler, R. D. Snyder, and R. J. Hyndman (2009). Monitoring processes with changing variances. *International Journal of Forecasting* **25**(3), 518–525.
63. Wang, X., K. A. Smith-Miles, and R. J. Hyndman (2009). Rule induction for forecasting method selection: meta-learning the characteristics of univariate time series. *Neurocomputing* **72**(10-12), 2581–2594.
64. De Silva, A., R. J. Hyndman, and R. D. Snyder (2010). The vector innovations structural time series framework : a simple approach to multivariate forecasting. *Statistical Modelling* **10**(4), 353–374.
65. Erbas, B., M. Akram, D. M. Gertig, D. English, J. L. Hopper, A. M. Kavanagh, and R. J. Hyndman (2010). Using functional data analysis models to estimate future time trends of age-specific breast cancer mortality for the United States and England-Wales. *Journal of Epidemiology* **20**(2), 159–165.
66. Hyndman, R. J. and S. Fan (2010). Density forecasting for long-term peak electricity demand. *IEEE Transactions on Power Systems* **25**(2), 1142–1153.
67. Hyndman, R. J. and H. L. Shang (2010). Rainbow plots, bagplots and boxplots for functional data. *Journal of Computational and Graphical Statistics* **19**(1), 29–45.
68. Kolassa, S. and R. J. Hyndman (2010). Free open-source forecasting using R. *Foresight: the International Journal of Applied Forecasting* **17**, 19–24.
69. Verbesselt, J., R. J. Hyndman, G. Newnham, and D. Culvenor (2010). Detecting trend and seasonal changes in satellite image time series. *Remote Sensing of Environment* **114**(1), 106–115.
70. Verbesselt, J., R. J. Hyndman, A. Zeileis, and D. Culvenor (2010). Phenological change detection while accounting for abrupt and gradual trends in satellite image time series. *Remote Sensing of Environment* **114**(12), 2970–2980.
71. Yasmeen, F., R. J. Hyndman, and B. Erbas (2010). Forecasting age-related changes in breast cancer mortality among white and black US women. *Cancer Epidemiology* **32**(5), 542–549.

72. Athanasopoulos, G. and R. J. Hyndman (2011). The value of feedback in forecasting competitions. *International Journal of Forecasting* **27**(3), 845–849.
73. Athanasopoulos, G., R. J. Hyndman, H. Song, and D. C. Wu (2011). The tourism forecasting competition. *International Journal of Forecasting* **27**(3), 822–844.
74. Carta, D., L. Villanova, S. Costacurta, A. Patelli, I. Poli, S. Vezzú, P. Scopece, F. Lisi, K. A. Smith-Miles, R. J. Hyndman, A. J. Hill, and P. Falcato (2011). Method for optimizing coating properties based on an evolutionary algorithm approach. *Analytical Chemistry* **83**(16), 6373–6380.
75. De Livera, A. M., R. J. Hyndman, and R. D. Snyder (2011). Forecasting time series with complex seasonal patterns using exponential smoothing. *Journal of the American Statistical Association* **106**(496), 1513–1527.
76. Fan, S. and R. J. Hyndman (2011). The price elasticity of electricity demand in South Australia. *Energy Policy* **39**(6), 3709–3719.
77. Hyndman, R. J., R. A. Ahmed, G. Athanasopoulos, and H. L. Shang (2011). Optimal combination forecasts for hierarchical time series. *Computational Statistics & Data Analysis* **55**(9), 2579–2589.
78. Kim, J. H., I. Fraser, and R. J. Hyndman (2011). Improved interval estimation of long run response from a dynamic linear model: A highest density region approach. *Computational Statistics & Data Analysis* **55**(8), 2477–2489.
79. Pearce, J. L., J. Beringer, N. Nicholls, R. J. Hyndman, and N. J. Tapper (2011). Quantifying the influence of local meteorology on air quality using generalized additive models. *Atmospheric Environment* **45**(6), 1328–1336.
80. Pearce, J. L., J. Beringer, N. Nicholls, R. J. Hyndman, P. Uotila, and N. J. Tapper (2011). Investigating the influence of synoptic-scale meteorology on air quality using self-organizing maps and generalized additive modelling. *Atmospheric Environment* **45**(1), 128–136.
81. Shang, H. L., H. Booth, and R. J. Hyndman (2011). Point and interval forecasts of mortality rates and life expectancy : a comparison of ten principal component methods. *Demographic Research* **25**, 173–214.
82. Shang, H. L. and R. J. Hyndman (2011). Nonparametric time series forecasting with dynamic updating. *Mathematics and Computers in Simulation* **81**(7), 1310–1324.
83. Erbas, B., S. C. Dharmage, M. O. Sullivan, M. Akram, E. Newbiggin, P. Taylor, D. Vicendese, R. J. Hyndman, P. Bardin, M. L. Tang, and M. J. Abramson (2012). A case-crossover design to examine the role of aeroallergens and respiratory viruses on childhood asthma exacerbations requiring hospitalization : The MAPCAH study. *Journal of Biometrics & Biostatistics* **57**(018).
84. Erbas, B., S. Ullah, R. J. Hyndman, M. Scollo, and M. J. Abramson (2012). Forecasts of COPD mortality in Australia: 2006-2025. *BMC Medical Research Methodology* **12**(1), 17.
85. Fan, S. and R. J. Hyndman (2012). Short-term load forecasting based on a semi-parametric additive model. *IEEE Transactions on Power Systems* **27**(1), 134–141.
86. Hyndman, R. J., H. Booth, and F. Yasmeen (2013). Coherent mortality forecasting: the product-ratio method with functional time series models. *Demography* **50**(1), 261–283.
87. Ben Taieb, S. and R. J. Hyndman (2014). A gradient boosting approach to the Kaggle load forecasting competition. *International Journal of Forecasting* **30**(2), 382–394.
88. Hyndman, R. J. and G. Athanasopoulos (2014). Optimally reconciling forecasts in a hierarchy. *Foresight* **Fall 2014**, 42–48.
89. Tham, R., S. Dharmage, P. Taylor, E. Newbiggin, M. L. K. Tang, D. Vicendese, R. J. Hyndman, M. J. Abramson, and B. Erbas (2014). Outdoor fungal spores are associated with child asthma hospitalisations — a case-crossover study. *European Respiratory Journal* **44**(Suppl 58).
90. Erbas, B., S. C. Dharmage, M. L. Tang, M. Akram, K. J. Allen, D. Vicendese, J. M. Davies, R. J. Hyndman, E. J. Newbiggin, P. E. Taylor, P. G. Bardin, and M. J. Abramson (2015). Do human rhinovirus infections and food allergy modify grass pollen-induced asthma hospital admissions in children? *Journal of Allergy and Clinical Immunology* **136**(4), 1118–1120.e2.
91. Hyndman, R. J. (2015). Discussion of “High-dimensional autocovariance matrices and optimal linear prediction”. *Electronic J. Statistics* **9**(1), 792–796.
92. Hyndman, R. J., M. B. Mesgaran, and R. D. Cousens (2015). Statistical issues with using herbarium data for the estimation of invasion lag-phases. *Biological Invasions* **17**(12), 3371–3381.
93. Ben Taieb, S., R. Huser, R. J. Hyndman, and M. G. Genton (2016). Forecasting uncertainty in electricity smart meter data by boosting additive quantile regression. *IEEE Transactions on Smart Grid* **7** (5), 2448–2455.
94. Bergmeir, C., R. J. Hyndman, and J. M. Benitez (2016). Bagging exponential smoothing methods using STL decomposition and Box-Cox transformation. *International Journal of Forecasting* **32**(2), 303–312.
95. Hong, T., P. Pinson, S. Fan, H. Zareipour, A. Troccoli, and R. J. Hyndman (2016). Probabilistic Energy Forecasting: Global Energy Forecasting Competition 2014 and Beyond. *International Journal of Forecasting* **32**(3), 896–913.

96. Hyndman, R. J., A. Lee, and E. Wang (2016). Fast computation of reconciled forecasts for hierarchical and grouped time series. *Computational Statistics & Data Analysis* **97**, 16–32.
97. Pearce, J. L., M. Hyer, R. J. Hyndman, M. Loughnan, M. Dennekamp, and N. Nicholls (2016). Exploring the influence of short-term temperature patterns on temperature-related mortality: a case-study of Melbourne, Australia. *Environmental Health* **15**(1), 107.
98. Athanasopoulos, G., R. J. Hyndman, N. Kourentzes, and F. Petropoulos (2017). Forecasting with temporal hierarchies. *European Journal of Operational Research* **262**(1), 60–74.
99. Goodwin, P., F. Petropoulos, and R. J. Hyndman (2017). A note on upper bounds for forecast-value-added relative to naïve forecasts. *Journal of the Operational Research Society*. in press.
100. Kang, Y., R. J. Hyndman, and K. Smith-Miles (2017). Visualising forecasting algorithm performance using time series instance spaces. *International Journal of Forecasting* **33**(2), 345–358.
101. Shang, H. L. and R. J. Hyndman (2017). Grouped functional time series forecasting: an application to age-specific mortality rates. *Journal of Computational and Graphical Statistics* **26**(2), 330–343.
102. Steponavičė, I., R. J. Hyndman, K. Smith-Miles, and L. Villanova (2017). Dynamic Algorithm Selection for Pareto Optimal Set Approximation. *Journal of Global Optimization* **67** (1), 263–282.
103. Studdert, D. M., Y. Zhang, J. A. Rodden, R. J. Hyndman, and G. J. Wintemute (2017). Handgun acquisitions in California after two mass shootings. *Annals of Internal Medicine*. Epub ahead of print.
104. Tham, R., D. Vicendese, S. C. Dharmage, R. J. Hyndman, E. Newbigin, E. Lewis, M. O’Sullivan, A. J. Lowe, P. Taylor, P. Bardin, M. L. Tang, M. J. Abramson, and B. Erbas (2017). Associations between outdoor fungal spores and childhood and adolescent asthma hospitalisations. *Journal of Allergy and Clinical Immunology* **139** (4), 1140–1147.e4.

Book chapters

1. Axford, R. L., G. K. Grunwald, and R. J. Hyndman (1995). “Information technology in research”. In: ed. by E. Hovenga, M. Kidd, and B. Cesnik. Churchill Livingstone.
2. Hyndman, R. J. (2002). “ARIMA processes”. In: *The Informed Student Guide to Management Science*. Ed. by H. Daellenbach and R. Flood. Cengage Learning Business Press, pp.27–28.
3. Hyndman, R. J. (2002). “Box-Jenkins modelling”. In: *The Informed Student Guide to Management Science*. Ed. by H. Daellenbach and R. Flood. Cengage Learning Business Press, pp.42–43.
4. Hyndman, R. J. and H. L. Shang (2008). “Bagplots, boxplots and outlier detection for functional data”. In: ed. by S. Dabo-Niang and F. Ferraty. Springer, pp. 201–207.
5. Hyndman, R. J. (2010). “Business forecasting methods”. In: *International Encyclopedia of Statistical Science*. Ed. by M. Lovric. Springer, pp.185–187.
6. Hyndman, R. J. (2010). “Forecasting overview”. In: *International Encyclopedia of Statistical Science*. Ed. by M. Lovric. Springer, pp.536–539.
7. Hyndman, R. J. (2010). “Moving averages”. In: *International Encyclopedia of Statistical Science*. Ed. by M. Lovric. Springer, pp.866–869.
8. Booth, H., R. J. Hyndman, and L. Tickle (2014). “Prospective Life Tables”. In: *Computational Actuarial Science with R*. Ed. by A. Charpentier. Chapman & Hall/CRC. Chap. 8, pp.323–348.
9. Hyndman, R. J. (2015). “Another look at forecast-accuracy metrics for intermittent demand”. In: *Business Forecasting: Practical Problems and Solutions*. Ed. by M. Gilliland, L. Tashman, and U. Sglavo. John Wiley & Sons. Chap. 3.8, pp. 204–211.
10. Hyndman, R. J. (2015). “Measuring forecast accuracy”. In: *Business Forecasting: Practical Problems and Solutions*. Ed. by M. Gilliland, L. Tashman, and U. Sglavo. John Wiley & Sons. Chap. 3.4, pp. 177–184.
11. Steponavičė, I., M. Shirazi-Manesh, R. J. Hyndman, K. Smith-Miles, and L. Villanova (2016). “On sampling methods for costly multi-objective black-box optimization”. In: *Advances in Stochastic and Deterministic Global Optimization*. Ed. by P. M. Pardalos, A. Zhigljavsky, and J. Žilinskas. New York: Springer, pp. 273–296.

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