

Profile: John Boylan

1. Personal Details

Full name John Edward Boylan
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2. Qualifications

MA(Oxon)	Mathematics	University of Oxford
MSc	Management Science & Operational Research	University of Warwick
PhD	Industrial & Business Studies	University of Warwick

3. Professional Memberships

International Institute of Forecasters
International Society for Inventory Research
Operational Research Society
Royal Statistical Society
System Dynamics Society

4. External Engagement

Board Memberships

International Institute of Forecasters	Member, Board of Directors Chair, Certification Committee
International Society for Inventory Research	Member, Executive Committee Section Chair, Forecasting for Inventories

Editorships

Foresight: Int Journal of Applied Forecasting	Member, Editorial Board Supply Chain Forecasting Editor
IMA Journal of Management Mathematics	Co-editor, special issue (2008)
Journal of the Operational Research Society	Co-editor, special issue (2010)

Conference Stream Organisation

International Symposium on Inventories	Demand Forecasting & Inventory Management (Budapest, 2006, 2008)
Operational Research Society Conference	Forecasting (Edinburgh, 2007; York, 2008; Warwick, 2009)

5. Funded Research Projects

Engineering and Physical Sciences Research Council (Co-Investigator)

Cognitive Mapping, System Dynamics and the Bullwhip Effect (EP/G070369)	£20,000	2009
Forecasting and Inventory Management: Bridging the Gap (EP/F012632/1)	£50,000	2007 - 2008

- [27] Boylan JE (2007) Key assumptions in calculating the cost of forecast error. *Foresight: the International Journal of Applied Forecasting*, **8**, 22-24.
- [26] Boylan JE & Syntetos AA (2007) Spare Parts Management: Forecasting Research and Extensions. *OR Forty Nine Keynote Papers*, Shaw D [Ed], Operational Research Society, ISBN 0 903440 40 7.
- [25] Syntetos AA, Boylan JE & Croston JD (2006) Viewpoint: Reply to Kostenko and Hyndman. *Journal of the Operational Research Society*, **57**, 1257-1258.
- [24] Syntetos AA & Boylan JE (2006) On the stock control performance of intermittent demand estimators. *International Journal of Production Economics*, **103**, 36-47.
- [23] Boylan JE & Syntetos AA (2006) Accuracy and accuracy-implication metrics for intermittent demand. *Foresight: the International Journal of Applied Forecasting*, **4**, 39-42.
- [22] Syntetos AA & Boylan JE (2006) Smoothing and adjustments of demand forecasts for inventory control. *Preprints Volume III (Operational Research), 12th IFAC Symposium on Information Control Problems in Manufacturing*, pp 173-178.
- [21] Shale EA, Boylan JE & Johnston FR (2006) Forecasting for intermittent demand: the estimation of an unbiased average. *Journal of the Operational Research Society*, **57**, 588-592.
- [20] Syntetos AA & Boylan JE (2006) Comments on the attribution of an intermittent demand estimator. *International Journal of Forecasting*, **22**, 201.
- [19] Syntetos AA, Boylan JE & Croston JD (2005) On the categorization of demand patterns. *Journal of the Operational Research Society*. **56**, 495-503.
- [18] Boylan JE (2005) Intermittent and lumpy demand: the forecasting challenge. *Foresight: the International Journal of Applied Forecasting*, **1**, 36-42. [
- [17] Syntetos AA & Boylan JE (2005) On the development of theory-informed operationalised definitions of demand patterns. *Proceedings of the 3rd International Conference on Intelligent Management Systems in Operations (IMSIO III)*, Salford. (ISBN 0-903440-34-2, pp 238-247, Operational Research Society, UK).
- [16] Syntetos AA & Boylan JE (2005) The accuracy of intermittent demand estimates. *International Journal of Forecasting*, **21**, 303-314.
- [15] Syntetos AA & Boylan JE (2004) Inventory management for spare parts, *Proceedings of the Second World Conference on POM and 15th Annual POM Conference, Cancun, Mexico. (ISSN 1548-4882 Volume: Operations and Logistics, Production and Operations Management Society, USA)*.
- [14] Syntetos AA & Boylan JE (2004) Demand categorisation for forecasting and stock control. *Proceedings of the international Intelligent Manufacturing Systems Forum, Cernobbio, Italy (ISBN 88-901168-9-7, pp 801-809, Grafica Sovico SEL, Milano)*.
- [13] Boylan JE & Johnston FR (2003) Optimality and robustness of combinations of moving averages. *Journal of the Operational Research Society*, **54**, 109-115.
- [12] Johnston FR, Boylan JE & Shale EA (2003) An examination of the size of orders from customers, their characterisation and the implications for inventory control of slow moving items. *Journal of the Operational Research Society*, **54**, 833-837.

- [11] Boylan JE & Syntetos AA (2003) Intermittent demand forecasting: size-interval methods based on averaging and smoothing. *Proceedings of the International Conference on Quantitative Methods in Industry and Commerce, Athens, Greece, pp 87-96.*
- [10] Syntetos AA, Boylan JE & Croston JD (2003) On the categorisation of demand patterns. *Proceedings of the International Conference on Quantitative Methods in Industry and Commerce, Athens, Greece, pp 534-543.*
- [9] Syntetos AA & Boylan JE (2001) On the bias of intermittent demand estimates. *International Journal of Production Economics*, **71**, 457-466.
- [8] Boylan JE & Williams MA (2001) Introducing forecasting and monitoring methods to an SME: the role of Soft Systems Methodology. *Mixed-mode modelling: mixing methodologies for organisational intervention*, Nicholls MG, Clarke S and Lehane B [Eds], Kluwer, ISBN 0-7923-7151-8.
- [7] Johnston FR, Boylan JE, Shale E & Meadows M (1999) A robust forecasting system, based on the combination of two simple moving averages. *Journal of the Operational Research Society*, **50**, 1199-1204.
- [6] Johnston FR, Boylan JE, Meadows M & Shale E (1999) Some properties of a simple moving average when applied to forecasting a time series. *Journal of the Operational Research Society*, **50**, 1267-1271.
- [5] Boylan JE & Johnston FR (1996) Variance laws for inventory management. *International Journal of Production Economics*, **45**, 343-352.
- [4] Johnston FR & Boylan JE (1996) Forecasting intermittent demand: a comparative evaluation of Croston's method. Comment. *International Journal of Forecasting*, **12**, 297-298.
- [3] Johnston FR & Boylan JE (1996) Forecasting for items with intermittent demand. *Journal of the Operational Research Society*, **47**, 113-121.
- [2] Boylan JE & Johnston FR (1994) Relationships between service level measures for inventory systems. *Journal of the Operational Research Society*, **45**, 838-844.
- [1] Johnston FR & Boylan JE (1994) How far ahead can an EWMA model be extrapolated? *Journal of the Operational Research Society*, **45**, 710-713.

Invited Conference Contributions

- [11] Boylan JE (2009) *Inventory Forecasting and Planning*. Featured Speaker, Forecasting Summit, Orlando, USA.
- [10] Boylan JE & Syntetos AA (2008) *Forecasting and Inventory Management of Service Parts*. Keynote Paper, 15th International Symposium on Inventories, Budapest, Hungary.
- [9] Boylan JE, Syntetos AA & Teunter RH (2008) *Intermittent Demand*, Pre-conference workshop, 28th International Symposium on Forecasting, Nice, France.
- [8] Boylan JE (2008) *Forecasting requirements for service parts*. Featured Speaker, Forecasting Summit, Orlando, USA.
- [7] Boylan JE & Syntetos AA (2007) *Spare Parts Management: Forecasting Research and Extensions*. Keynote Address: Forecasting and Inventory Management Stream, 49th Operational Research Society Conference, Edinburgh. (Also listed under Research

Publications).

- [6] Boylan JE (2006) *Intermittent and lumpy demand*. Featured Speaker, Forecasting Summit, Boston, USA.
- [5] Boylan JE & Willemain TR (2005) *Forecasting Intermittent Demand*. Pre-conference workshop, 25th International Symposium on Forecasting, San Antonio, USA.
- [4] Boylan JE (2004) *Intermittent and lumpy demand: the forecasting challenge*. Featured speaker, Forecasting Summit, Boston, USA.
- [3] Boylan JE & Syntetos AA (2003) *Intermittent demand forecasting: size-interval methods based on averaging and smoothing*. Keynote Speaker, International Conference on Quantitative Methods in Industry and Commerce, Athens, Greece. [Keynote Speaker] (Also listed under Research Publications)
- [2] Boylan JE & Karakostas GC (2003) *Forecasting for lumpy demand*. Invited practitioner track session, 23rd International Symposium on Forecasting, Mérida, Mexico.
- [1] Johnston FR, Boylan JE & Shale EA (2002) *Forecasting and inventory control of slow-moving items*. Invited tutorial session, 22nd International Symposium on Forecasting, Dublin, Ireland.