PERSONAL INFORMATION			
Name	:	Özgür Asar	
Gender	:	Male	
Date of birth	:	28 November 1986	
Work address	:	Kerem Aydınlar Kampüsü, Kayışdağı Cad. No: 32, Ataşehir 34752 İstanbul	
Office phone	:	+90 216 500 4255	
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Github	:	github.com/ozgurasarstat	
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EDUCATION

PhD, Statistics and Epidemiology, October 2012 - August 2015

- Thesis Title: "Longitudinal and survival statistical methods with applications in renal medicine"
- Advisor: Prof. Peter J. Diggle
- Examiners: Prof. John Matthews and Dr. Andrew Titman
- Place: Lancaster Medical School, Faculty of Health and Medicine, Lancaster University, Lancaster, UK
- Financial support: Health e-Research Centre and Lancaster University, UK, covering fees, stipend and other expenses, e.g. conference and short course attendances, etc. at the overseas level

MSc, Statistics, 3.64/4.00, September 2009 - July 2012

- Thesis Title: "On multivariate longitudinal binary data models and their applications in forecasting"
- Advisor: Assoc. Prof. Dr. Özlem İlk
- Place: Department of Statistics, Faculty of Arts and Sciences, Middle East Technical University, Ankara, Turkey
- Financial support: Research and teaching assistant-ship, covering stipend and fees & National Scholarship for MSc Students, The Scientific and Technological Research Council of Turkey (TÜBİTAK)

BSc, Statistics, 3.38/4.00, September 2004 - June 2009

- Place: Department of Statistics, Faculty of Arts and Sciences, Middle East Technical University, Ankara, Turkey
- Financial support: Turkish Government Scholarship for Higher Education, including stipend, fees and food (without payback)

ACADEMIC WORK EXPERIENCE

Assistant Professor, July 2016 - present

- Place: Department of Biostatistics and Medical Informatics, Medical School, Acıbadem University, İstanbul, Turkey.

Visiting Researcher, 28 April - 03 May 2019; 03 - 07 December 2018

- Place: School of Mathematics and Physics, Queen's University Belfast, Belfast, Northern Ireland.

Visiting Researcher, 21 - 22 February 2019

- Place: Lancaster Medical School, Lancaster University, Lancaster, UK.

Visiting Researcher, 26 August - 24 September 2018

- Place: Inserm UMR U1246 SPHERE - University of Nantes - University of Tours, Nantes, France.

Visiting Researcher, 16 October - 20 October 2017

- Place: Department of Statistics, Lund University, Lund, Sweden.

Post-doctoral Research Associate, March 2016 - July 2016

- Place: Department of Biostatistics and Medical Informatics, Medical School, Acıbadem University, İstanbul, Turkey.

Visiting Researcher, December 2015 - March 2016

- Place: Institute of Public Health, Hacettepe University, Ankara, Turkey.

Post-doctoral Research Associate in Biostatistics, June 2015 - December 2015

- Guide: Prof. Peter J. Diggle
- Place: Lancaster Medical School, Faculty of Health and Medicine, Lancaster University, Lancaster, UK
- Responsibilities included: being statistician for three collaborative projects in nephrology and psychiatry

Research and teaching assistant, September 2009 - October 2012

- Place: Department of Statistics, Faculty of Arts and Sciences, Middle East Technical University, Ankara, Turkey
- Responsibilities included: teaching assistant-ship for undergraduate level courses, research assistant-ship for research projects, being responsible for departmental administrative duties

RESEARCH INTERESTS	(Bayesian) statistics: data-driven novel statistical methodology based on computationally intensive methods (MCMC algorithms) - Informatics: developing information systems using routinely collected, electronically recorded data to aid decision making through open-source software - Forecasting (prediction): clinical, sports, weather and economic forecasting
TEACHING INTERESTS	- Bayesian statistics - Probability and statistical inference - Statistical modelling - Stochastic processes - Computational statistics - Medical statistics (biostatistics) - Statistical learning

TEACHING

Lecturer
- Department of Biostatistics and Medical Informatics, Acibadem University

  Undergraduate

- Biostatistics	**Fall 2017**
- Statistical Learning	**Fall 2017, 2018**
- Medical Informatics and Biostatistics	**Fall 2016**
- Advanced Statistical Methods	**Spring 2017, 2018, 2019**

  Graduate

- Probability and Statisics	**Fall 2016, 2017, 2018**
- Joint Modelling of Longitudinal and Survival Data	**Spring 2017, 2018, 2019**

Teaching Assistant

- Department of Mathematics and Statistics, Lancaster University
  - Statistical Inference (graduate level)   **Fall 2014**

- Department of Statistics, Middle East Technical University
  - Applications in Statistics   **Fall 2009**
  - Survey Sampling Techniques   **Fall 2009, 2011**
  - Survey Research Methods   **Spring 2010, 2011**
  - Statistical Data Analysis   **Spring 2010, 2011**
    (the class was divided into two sections in Spring 2011)   **Spring 2012**

PAPERS PUBLISHED

1. Jones S, Jovanoska J, Calam R, Wainwright L, Vincent H, **Asar Ö**, Diggle P, Parker R, Long R, Lobban F (2017) Web-based integrated bipolar parenting intervention (IBPI) for parents with bipolar disorder: A randomised controlled pilot trial. Journal of Child Psychology and Psychiatry, 58(9),1033-1041.

2. Lobban F, Dodd A, Sawzcuk A, **Asar Ö**, Dagnan D, Diggle P, Griffiths M, Honary M, Knowles D, Long R, Morriss R, Parker R, Jones S (2017) Randomised controlled trial to assess feasibility and acceptability of web-based enhanced relapse prevention for bipolar disorder (ERPonline). Journal of Medical Internet Research, 19(3), e85.

3. **Asar Ö**, İlk Ö, Dağ O (2017) Estimating Box-Cox power transformation parameter via goodness of fit tests. Communications in Statistics - Simulation and Computation, 46(1), 91–105.

4. **Asar Ö**, Diggle PJ, Ritchie J, Kalra P (2016) Short-term and long-term effects of acute kidney injury in chronic kidney disease patients: a longitudinal analysis. Biometrical Journal, 58(6) 1552 – 1566.

5. **Asar Ö**, İlk Ö (2016) Forecasting multivariate longitudinal binary data with marginal and marginally specified models. Journal of Statistical Computation and Simulation, 86(2), 414–429.

6. **Asar Ö**, İlk Ö (2016) First-order marginalised transition random effects models with probit link function. Journal of Applied Statistics, 43(5), 925–942.

7. **Asar Ö**, Ritchie J, Kalra P, Diggle PJ (2015) Joint modelling of repeated measurement and time-to-event data: an introductory tutorial. International Journal of Epidemiology, 44(1), 334–344.

8. Diggle PJ, Sousa I, **Asar Ö** (2015) Real time monitoring of progression towards renal failure in primary care patients. Biostatistics, 16(3), 522–536.

9. Dağ O, **Asar Ö**, İlk Ö (2014) A methodology to Implement Box-Cox transformation when no covariate is available, Communications in Statistics - Simulation and Computation, 43(7), 1740–1759.

10. **Asar Ö**, İlk Ö (2014) Flexible multivariate marginal models for analyzing multivariate longitudinal data, with applications in R. Computer Methods and Programs in Biomedicine, 115(3), 135-146.

11. **Asar Ö**, İlk Ö (2013) mmm: an R package for analyzing multivariate longitudinal data with multivariate marginal models, Computer Methods and Programs in Biomedicine, 112(3), 649–654.

PAPERS PUBLISHED - IN TURKISH

1. Ülgen E, **Asar Ö** (2017) Tekrarlı gözlem ve sağkalım verilerinin bileşik modellenmesi (in Turkish) [Joint modelling of repeated measurement and survival data]. Türkiye Klinikleri Biyoistatistik Dergisi [Turkiye Klinikleri Journal of Biostatistics], 9(2), 156–166.

PAPERS SUBMITTED	1. Lenain R., Dantan E., Giral M., Foucher Y., **Asar Ö.**, Hazzan M. and Fournier M.-C. (2019) External validation of the Dynamic prediction of Patient and Graft survival (DynPG) for kidney transplant recipients. Submitted to Nephrology Dialysis and Transplantation.

PAPERS SUBMITTED

1. Lenain R., Dantan E., Giral M., Foucher Y., **Asar Ö.**, Hazzan M. and Fournier M.-C. (2019) External validation of the Dynamic prediction of Patient and Graft survival (DynPG) for kidney transplant recipients. Submitted to Nephrology Dialysis and Transplantation.

2. **Asar Ö.**, Bolin D., Diggle PJ, Wallin J. (2018) Linear Mixed-Effects Models for Non-Gaussian Repeated Measurement Data. Under review for a discussion paper in Journal of the Royal Statistical Society - Series B.

3. **Asar Ö.**, Fournier M.-C., Dantan E. (2019) Dynamic predictions of kidney graft survival in the presence of longitudinal outliers. Under review in Journal of the Royal Statistical Society - Series C.

4. **Asar Ö.** (2018) Bayesian analysis of clustered longitudinal ordinal outcome data, with applications to income and living conditions data from Turkey. Under review in Statistical Modelling.

5. Skyes L. F., **Asar Ö.**, Ritchie J. P., Raman M., Vassallo D., Alderson H. V., O'DonoghueD. J., Green D., Diggle P. J., Kalra P. A. (2019) The influence of multiple episodes of acute kidney injury on survival and progression to end stage kidney disease in patients with chronic kidney disease. Submitted to PLOS ONE.

PAPERS TO BE SUBMITTED

1. **Asar Ö**, Diggle PJ lmenssp: an R package for linear mixed effects models with non-stationary stochastic processes. To be submitted.

2. Alderson HV, **Asar Ö**, Ritchie JP, Middleton R, Larsson A, Diggle PJ, Larsson T, Kalra PA Longitudinal change in FGF-23 is associated with risk for death and cardiovascular events but not renal replacement therapy in advanced CKD. Submitted.

3. Beliefs about mood swings predict personal recovery in bipolar disorder: A longitudinal analysis. With Alyson Dodd, Steven Jones and Fiona Lobban.

REFEREED FOR

Annals of Applied Statistics, Biometrics, Biostatistics, BMJ Open, Cancer Informatics, Communications in Statistics - Simulation and Computation, Hemodialysis International, Journal of Applied Statistics, Journal of Microscopy, Journal of Statistical Software, Statistical Methods in Medical Research, Statistical Modelling, Statistical Science, Statistics in Medicine,

TECHNICAL REPORTS

1. **Asar Ö**, Kartal E, Aslan S, Öztürk MZ, Yozgatligil C, Çınar İ, Batmaz İ, Köksal G, Türkeş M, Tatlı H. (2010) 1950-2006 Yılları Arasındaki Türkiye Yağış Verilerinin Tanımlayıcı Veri Madenciliği Yöntemleri İle Analizi [Handling and Analysis of Turkish Precipitation Data for the Period of 1950-2006 Using Descriptive Data Mining Techniques]. (in Turkish)

SOFTWARE

- R packages from CRAN

  1. **Asar Ö**, İlk Ö (2012) OOmisc: Ozgur-Ozlem Miscellaneous. R package version 1.2. CRAN link: http://CRAN.R-project.org/package=OOmisc.

  2. **Asar Ö**, İlk Ö (2013) mmm2: Multivariate Marginal Models with Shared Regression Parameters. R package version 1.2. CRAN link: http://CRAN.R-project.org/package=mmm2.

  3. **Asar Ö**, İlk Ö (2014) mmm: an R package for analyzing multivariate longitudinal data with multivariate marginal models. R package version 1.4. CRAN link: http://CRAN.R-project.org/package=mmm.

  4. **Asar Ö**, İlk, Ö (2013) pnmtrem: An R package for Probit Normal Marginalized Transition Random Effects Models. R package version 1.3.
     CRAN link: http://CRAN.R-project.org/package=pnmtrem.

  5. Dağ O, **Asar Ö**, İlk Ö (2016) AID: An R Package to Estimate Box-Cox Power Transformation Parameter. R package version 1.6. CRAN link: http://CRAN.R-project.org/package=AID.

6. **Asar Ö**, Diggle PJ (2016) lmenssp: an R package for linear mixed effects models with non-stationary stochastic processes. R package version 1.3. CRAN link: http://CRAN.R-project.org/package=lmenssp.

- Github and Bitbucket Repositories

  1. `stochasticjm` (https://github.com/ozgurasarstat/stochasticjm)
  2. `robjm` (https://github.com/ozgurasarstat/robjm)
  3. `mixed3` (https://github.com/ozgurasarstat/mixed3)
  4. `ngme` (https://bitbucket.org/davidbolin/ngme)

GRANTS

- TÜBİTAK 1003 (1st stage passed)
  - Role: Principal investigator
  - Project title: "Developing predictive models in the presence of multivariate biomarkers and multivariate survival outcomes with a stochastic process approach, associated open-source software and surveillance systems, and application of the methods in renal chronic diseases"
- EPSRC First Grant Scheme (2017 October - 2018 October)
  - Role: Consultant
  - PI: Dr. Lisa McCrink, Queen's University Belfast, UK
  - Project title: "Time-dependent Robust Joint Modelling: Analysing a Wealth of Longitudinal Outliers" funded by the EPSRC First Grant Scheme

HONOURS AND AWARDS

- Full financial support from Queen's University Belfast to visit the University, 28 April – 03 May 2019 (£800)
- My undergraduate student, Alperen Elibol, is the İstanbul Regional winner of the TÜBİTAK competition for undergraduate projects within the scope of 2242 Programme (award: 4,000 TL)
- Full financial support from the "Embassy of France to Turkey" to visit University of Nantes, 26 August – 24 September 2018.
- Full financial support from TÜBİTAK for the visit of Dr. David Bolin (University of Gothenburg and Chalmers Technology University) and Dr. Jonas Wallin (Lund University) to visit Dr. Özgür Asar at Acıbadem Mehmet Ali Aydınlar University (June 2018).
- Full financial support from Lund University to visit Lund University, 16 – 20 October 2017
- Best poster award for "Pamukcu A and **Asar Ö** (2016) Investigating the Association Structure Parametrisation Within the Joint Modelling of Longitudinal and Survival Data Framework." in the International Conference on Trends and Perspectives in Linear Statistical Inference, 22 - 25 August, Istanbul, Turkey.
- Conference attendance grant by the International Society of Clinical Biostatistics, to attend 37th Annual Conference of International Society for Clinical Biostatistics, 21 - 25 August, Birmingham, UK. (Full registration expenses, including one full-day short-course, conference dinner, etc. + €1000)
- Travel grant from the Faculty of Health and Medicine, Lancaster University to attend Eastern North American Region of International Biometric Society 2015 Spring Meeting, held in March 15 - 18 2014, Miami, USA (£500).
- Financial support from the Royal Statistical Society to attend The 2014 International Conference of the Royal Statistical Society, September 1 - 4, Sheffield, UK (£250).

- Financial support from Graduate College of Lancaster University to attend the Statistical Analysis of Multi-Outcome Data Workshop, 30 June - 1 July, Cambridge, UK (£100).
- Best poster award for "**Asar Ö**, Ritchie J, Kalra P, Diggle P (2014) Joint analysis of longitudinal eGFR measurements and time to renal replacement therapy and death in a CKD cohort." in the Epidemiology session of the UK Kidney Week 2014, 1 May, 2014, Glasgow, UK.
- Travel grant from the Faculty of Health and Medicine, Lancaster University to attend Eastern North American Region of International Biometric Society 2014 Spring Meeting, held in March 16 - 19 2014, Baltimore, USA (£500).
- Best paper award for "Dağ, O., Asar, Ö., Ilk, Ö. Estimating Box-Cox power transformation parameter via goodness-of-fit tests. y-BIS 2013: Joint Meeting of Young Business and Industrial Statisticians in Istanbul, Turkey, September 19 - 21, 2013".
- Research studentship by Health e-Research Centre, England: between October 2012 - October 2015, covering the PhD tuition fees at the overseas rate (e.g. £14,410 for 2013/14) together with a full maintenance grant (e.g. £13,710 for 2013/14) and a budget for additional costs, e.g. to attend courses, travel expenses, conference registration fees and buying books (e.g. £2,000 for 2013/14).
- Conference Attendance Grant from Bernoulli Society and Institute of Mathematical Statistics to attend the Pre-World-Congress Meeting of Young Researchers, held in July 6 - 8, 2012, Istanbul, Turkey the 8th World Congress in Probability and Statistics, held in July 9 - 14, 2012, Istanbul, Turkey (grant included exemption from accommodation, registration and food expenses during 6 - 14 July).
- Travel grant from The Scientific and Technological Research Council of Turkey to attend 8th World Congress in Probability and Statistics, held in July 9 - 14, 2012, Istanbul, Turkey.
- National Scholarship for MSc Students, The Scientific and Technological Research Council of Turkey, September 2009 - September 2011.
- Conference Attendance Grant from The Scientific and Technological Research Council of Turkey to attend 6th EMR-IBS Conference in Crete, Greece (2011), (1050 YTL $\sim$ \$465).
- Conference Attendance Grant from The Turkish Statistical Association to attend 7th International Statistical Congress in Antalya, Turkey (2011), (exempted from all the expenses).
- Turkish Government Scholarship for Higher Education, between September 2004 and June 2009 (included a monthly stipend and exempted from the fees).
- Dean's Honour List in 2006 Spring and 2006 Fall Semesters, Faculty of Arts and Sciences, Middle East Technical University, Ankara, Turkey.
- Dean's High Honour List in 2007 Spring, 2007 Fall and 2008 Spring Semesters, Faculty of Arts and Sciences, Middle East Technical University, Ankara, Turkey.
- Graduated as a Honour Student of Middle East Technical University.

CONCFERENCE PRESENTATIONS - ORAL (presenter, unless otherwise stated)

1. McFetridge L, **Asar Ö**, Boyle L, Wallin J (2019) Robust joint models: The introduction of time varying degrees of freedom. The Statistical Analysis of Multi-outcome Data Workshop 5 - 7 June 2019, The University of Manchester, UK. (McFetridge L presented)
2. McFetridge L, **Asar Ö**, Boyle L, Wallin J (2019) Robust joint models with time-varying degrees of freedom. May 15 - 17, Dundalk, Ireland. (McFetridge L presented)
3. Boyle L, McCrink L, **Asar Ö** (2018) Robust mixed modelling: a new approach to handle time varying outlier impacts. The 2018 International Conference of the Royal Statistical Society, September 3 - 6, Cardiff, UK. (Boyle L presented)
4. Boyle L, McCrink L, **Asar Ö** (2018) Investigating the impact of time-varying outlier patterns: longitudinal analysis of Northern Ireland renal patients. Young Statisticians Meeting 2018, 30 – 31 July, Oxford, UK. (Boyle L presented)

5. Boyle L, McCrink L, **Asar Ö** (2018) Time-varying outlier impacts on robust mixed models with an application in renal research. XXIX International Biometric Conference (IBC 2018), 8 – 13 July, Barcelona, Spain. (Boyle L presented)

6. Boyle L, McCrink L, **Asar Ö** (2018) The impact of time-varying outliers on mixed effects models: a simulation study motivated by renal data. Conference on Applied Statistics in Ireland, 16 – 18 May, Galway, Ireland. (Boyle L presented)

7. **Asar Ö**, Bolin D, Diggle P and Wallin J (2017) Linear mixed effects modelling for non-Gaussian repeated measurement data. 10th Statistical Congress, 6 – 8 December, Ankara, Turkey.

8. Dodd A L, Lobban F, Mezes B, **Asar Ö**, Jones S H & ERPOnline team (2017) Psychological processes underlying personal recovery in bipolar disorder. Symposium talk: Measurement and enhancement of recovery in bipolar disorder, British Association for the Behavioural & Cognitive Psychotherapies 45th Annual Conference, Manchester, July 2017. (Dodd A L presented)

9. **Asar Ö**, Fraccaro P, Peek N, Diggle P (2017) Early detection of patients with high risk of developing end-stage renal disease in primary care. 6th Channel Network Conference, 24 - 26 April, Hasselt, Belgium.

10. **Asar Ö**, Fraccaro P, Peek N, Diggle P (2016) Early detection of patients with high risk of developing end-stage renal disease in primary care. 37th Annual Conference of International Society for Clinical Biostatistics, 21 - 25 August, Birmingham, UK.

11. Lobban F, Dodd A, Sawzcuk A, **Asar Ö**, Dagnan D, Diggle P, Griffiths M, Honary M, Knowles D, Long R, Morriss R, Parker R, Jones S (2016) Randomised controlled trial to assess feasibility and acceptability of web-based enhanced relapse prevention for bipolar disorder (ERPonline).

12. Ritchie J, **Asar Ö**, Alderson H, Vassallo D, Raman M, Diggle P, Kalra PA (2016) Multiple AKI episodes and the progression of CKD. UK Kidney Week 2016, 7 - 10 June, Birmingham, UK. (Ritchie J presented)

13. McCrink L, **Asar Ö**, Alderson H, Kalra P, Diggle P (2016) Biomarker Discovery for Chronic Kidney Disease: A Joint Modelling Approach with Competing Risks. 36th Conference on Applied Statistics in Ireland, May 16 - 18, Limerick, Ireland. (McCrink L. presented)

14. **Asar Ö**, Ritchie J, Kalra P, Diggle P (2015) Acute kidney injury amongst chronic kidney disease patients: a case-study in statistical modelling. The 2015 International Conference of the Royal Statistical Society, September 7 - 10, Exeter, UK.

15. Diggle P, Sousa I, **Asar Ö** (2014) Real-time monitoring of progression towards renal failure in primary care patients. The Farr Institute PhD Symposium 2015, June 9 - 10, Manchester, UK.

16. **Asar Ö**, Diggle P, James Ritchie, Philip Kalra (2015) A longitudinal modelling case study in renal medicine and an associated R package. Eastern North American Region of International Biometric Society (ENAR-IBS) 2015 Spring Meeting, Miami, USA, 15 - 18 March.

17. Diggle P, Sousa I, **Asar Ö** (2014) Real-time monitoring of progression towards renal failure in primary care patients. The 2014 International Conference of the Royal Statistical Society, September 1 - 4, Sheffield, UK.

18. Diggle P, Sousa I, **Asar Ö** (2014) Real-time monitoring of progression towards renal failure in primary care patients. XXVII International Biometric Conference (IBC), Florence, Italy, 5 - 11 July. (Invited, Diggle P. presented)

19. **Asar Ö**, Diggle P, Sousa I (2014) Investigating longitudinal measurement of kidney function to predict hazard for renal replacement therapy and death. Survival Analysis for Junior Researchers Conference, 3 - 4 April, University of Warwick, Coventry, UK.

20. **Asar Ö**, Diggle P, Ritchie J, Kalra P (2014) Dynamic modelling of kidney function with interventions at acute kidney injury occurrences. Medical Research Council Conference on Biostatistics, 24 - 26 March, pp. 6, University of Cambridge, Cambridge, UK.

21. Diggle P, Sousa I, **Asar Ö** (2014) Real-time monitoring of progression towards renal failure in primary care patients. Eastern North American Region of International Biometric Society (ENAR-IBS) 2014 Spring Meeting, pp. 181, Baltimore, USA, 16 - 19 March.

22. Dağ O, **Asar Ö**, Ilk Ö (2013) Estimating Box-Cox power transformation parameter via goodness-of-fit tests. y-BIS 2013: Joint Meeting of Young Business and Industrial Statisticians, pp. 66, 19 - 21 September, Istanbul, Turkey. (Dağ O. presented)

23. **Asar Ö**, Diggle P (2013) Another joint model for longitudinal and survival data. The 36th Research Students Conference in Probability, Statistics, and Social Statistics, pp. 53, 25 - 28 March, Lancaster, UK.

24. **Asar Ö**, İlk Ö (2012) Analysis of Multivariate Longitudinal Binary Data: A Forecasting Study. 8th World Congress in Probability and Statistics, pp. 172, 9 - 14 July, Istanbul, Turkey. (İlk Ö. presented)

25. **Asar Ö**, İlk, Ö. (2012) Multivariate Marginal Models for Correlated Data. 8th World Congress in Probability and Statistics, pp.170, 9 - 14 July, Istanbul, Turkey.

26. Dağ O, **Asar Ö**, İlk Ö (2012) A Methodology to Implement Box-Cox Transformation When No Covariate Is Available. 8th World Congress in Probability and Statistics, pp. 180, 9 - 14 July, Istanbul, Turkey. (Dağ O. presented)

27. İlk Ö, **Asar Ö** (2011) Computational Ease on Marginalized Models for Multivariate Longitudinal Binary Data via Probit Link. 4th International Conference of the ERCIM WG on COMPUTING & STATISTICS (ERCIM'11), pp. 75, 17 - 19 December, Senate House, University of London, UK. (İlk Ö. presented)

28. **Asar Ö**, İlk Ö (2011) Forecasting Multivariate Longitudinal Binary Data. 6th Eastern-Mediterranean Region-International Biometrics Society (EMR-IBS) Conference, pp. 39, 8 - 12 May, Crete, Greece.

29. **Asar Ö**, Yozgatligil C, Kartal E, Batmaz İ (2011) Analysis of Extreme Precipitation Events in Turkey. International 7th Statistical Congress, pp. 164-165, 28 April - 1 May, Antalya, Turkey.

30. **Asar Ö**, Kartal E, Aslan S, Özturk MZ, Yozgatligil C, Çınar İ, Batmaz İ, Köksal G, Türkeş M, Tatlı H (2010) 1950-2006 Yılları Arasındakı Türkiye Yağış Verilerinin Tanımlayıcı Veri Madenciliği Yöntemleri İle Analizi [Handling and Analysis of Turkish Precipitation Data for the Period of 1950-2006 Using Descriptive Data Mining Techniques]. 7. İstatistik Günleri Sempozyumu, syf. 77-79, 28 - 30 Haziran, Ankara, Turkey [7th Statistics Days Symposium, pp. 77-79, 28-30 June, Ankara, Turkey]. (in Turkish)

CONFERENCE PRESENTATIONS - POSTER (presenter, unless otherwise stated)

1. Pamukcu A and **Asar Ö** (2017) Predicting survival risks in the presence of multiple longitudinal markers: A simulation study. 10th International Conference of the ERCIM WG on Computational and Methodological Statistics, 16 - 18 December, Senate House, University of London, UK. (Pamukcu A presented)

2. Pamukcu A and **Asar Ö** (2016) Investigating the Association Structure Parametrisation Within the Joint Modelling of Longitudinal and Survival Data Framework. International Conference on Trends and Perspectives in Linear Statistical Inference, 22 - 25 August, Istanbul, Turkey. (Pamukcu A presented)

3. Alderson HV, **Asar Ö**, Ritchie JP, Middleton R, Larsson A, Diggle PJ, Larsson T, Kalra PA (2016) Longitudinal change in FGF-23 is associated with risk for death and cardiovascular events but not renal replacement therapy in advanced CKD. UK Kidney Week 2016, 7 - 10 June, Birmingham, UK. (Alderson H presented)

4. Ritchie J, **Asar Ö**, Alderson H, Vassallo D, Raman M, Diggle P, Kalra PA (2016) Associations of multiple episodes of acute kidney injury on long term outcomes in patients with chronic kidney disease. UK Kidney Week 2016, 7 - 10 June, Birmingham, UK. (Ritchie J presented)

5. McCrink L, **Asar Ö**, Alderson H, Kalra P, Diggle P (2016) Joint modelling of multiple longitudinal and competing risks data, with application in nephrology. Joint Modelling and Beyond Workshop, April 14 - 15, Hasselt University, Belgium. (McCrink L. presented)

6. **Asar Ö**, Ritchie J, Kalra P, Diggle P (2015) Acute kidney injury amongst chronic kidney disease patients: a case-study in statistical modelling. Workshop on Flexible Models for Longitudinal and Survival Data with Applications in Biostatistics, July 27 - 29, University of Warwick, Coventry, UK.

7. Diggle P, Sousa I, **Asar Ö** (2014) Real-time monitoring of progression towards renal failure in primary care patients. Statistical Analysis of Multi-Outcome Data Workshop, 30 June - 1 July, Cambridge, UK.

8. **Asar Ö**, Ritchie J, Kalra P, Diggle P (2014) Joint analysis of longitudinal eGFR measurements and time to renal replacement therapy and death in a CKD cohort. UK Kidney Week 2014, 29 April - 2 May, 2014, Glasgow, UK.

9. Diggle P, Sousa I, **Asar Ö** (2014) Real-time monitoring of progression towards renal failure in primary care patients. UK Kidney Week 2014, 29 April - 2 May, 2014, Glasgow, UK.

10. **Asar Ö**, Ritchie J, Diggle P, Kalra P, Alderson H, O'Donoghue D (2014) Investigating the influence of acute kidney injury on longitudinal eGFR measurements. UK Kidney Week 2014, 29 April - 2 May, 2014, Glasgow, UK.

11. Ritchie J, **Asar Ö**, Green D, Alderson H, Chiu D, Middleton R, Diggle P, O'Donoghue D, Kalra P (2014) Rates and predictors of admission in a referred CKD population. UK Kidney Week 2014, 29 April - 2 May, 2014, Glasgow, UK. (Ritchie J. presented)

OTHER PRESENTATIONS (presenter, unless otherwise stated)

1. **Asar Ö** (2019) Dynamic Predictions in the Presence of Longitudinal Outliers. February 22, 2019, CHICAS, Lancaster Medical School, Lancaster, UK.

2. **Asar Ö** (2018) Non-Gaussian Statistical Models for Individualised Predictions. December 5, 2018, Royal Statistical Society Northern Ireland Local Group, Belfast, Northern Ireland.

3. **Asar Ö** (2018) Statistical Modelling for Personalised Medicine. November 22, Academic Enrichment Session, Acıbadem University, İstanbul, Turkey.

4. **Asar Ö** (2018) Statistical Modelling for Nowcasting and Forecasting in The Presence of Outliers. November 2, 2018, Department of Statistics, Ankara University, Ankara, Turkey.

5. **Asar Ö** (2018) Statistical modelling for personalised and population health. A Workshop on Data Scientific Statistical Theory and Application, 26 June, Acıbadem University, İstanbul, Turkey.

6. **Asar Ö** (2018) Statistical modelling for personalised and population health. IMBM Probability Days, 19 - 20 May, 2018.

7. Boyle L, McCrink L, **Asar Ö** (2018) Investigating the effect of longitudinal outliers on mixed effects models. RSS Northern Ireland local group seminar.

8. **Asar Ö** (2017) Linear mixed effects modelling for non-Gaussian repeated measurement data. Department of Mathematical Sciences, Chalmers University of Technology, 19 October, Gothenburg, Sweden.

9. **Asar Ö** (2017) Early detection of patients with high risk of developing end-stage renal disease in primary care. Department of Statistics, University of Lund, 18 October, Lund, Sweden.

10. **Asar Ö** (2017) Early detection of patients with high risk of developing end-stage renal disease in primary care. Acıbadem Mehmet Ali Aydınlar University, 11 October, İstanbul, Turkey.

11. **Asar Ö** (2017) Statistical modelling for real-life problems. Department of Mathematics, Boğaziçi University, 29 September, İstanbul, Turkey.

12. **Asar Ö** (2017) Non-Gaussian longitudinal data analysis. Department of Statistics, Hacettepe University, 15 August, Ankara, Turkey.

13. **Asar Ö** (2016) Statistical modelling for medical problems. Department of Statistics, Mimar Sinan Fine Arts University, 3 May, İstanbul, Turkey.

14. **Asar Ö** (2016) Statistical modelling for medical problems. Department of Statistics, Marmara University, 16 March, İstanbul, Turkey.

15. **Asar Ö** (2015) Real-time monitoring of progression towards renal failure in primary care patients. Health e-Research Centre, University of Manchester, 15 April, UK.

16. **Asar Ö** (2015) Acute kidney injury amongst chronic kidney disease patients: a case-study in statistical modelling. CHICAS (forum talks), Lancaster University, 25 March, UK.

17. **Asar Ö** (2014) Real-time monitoring of progression towards renal failure in primary care patients. Department of Mathematics and Statistics, Lancaster University, 10 December, UK.

18. **Asar Ö** (2014) Longitudinal and survival statistical methods, with applications in renal medicine. CHICAS (forum talks), Lancaster University, 14 July, UK.

19. **Asar Ö** (2013) Real time monitoring acute kidney injury by dynamic methods and model selection with random effects models for binary data. CHICAS (forum talks), Lancaster University, 24 April, UK.

20. **Asar Ö** (2013) Longitudinal and survival statistical methods, with applications in the biomedical and health sciences. CHICAS (forum talks), Lancaster University, 21 June, UK.

21. **Asar Ö** (2012) Probit Normal Marginalized Transition Random Effects Models. CHICAS (forum talks), Lancaster University, 21 November, UK.

22. **Asar Ö**, İlk Ö (2011) Forecasting Multivariate Longitudinal Binary Data. Department of Statistics, Middle East Technical University, 9 June, Ankara, Turkey.

COURSES ATTENDED

- Analysis of single and multi-OMIC data and their integration in disease association studies. 37th Annual Conference of International Society for Clinical Biostatistics, 21 - 25 August, Birmingham, UK.

- GEOSTAT Lancaster 2015 Summer School on spatial statistics, in Lancaster University 16 - 23 August, 2015.

- Personalized Medicine and Dynamic Treatment Regimes, at Eastern North American Region of International Biometrics Society (ENAR-IBS) 2015 Spring Meeting, 15 March 2014, Miami, USA.

- Methods for longitudinal data analysis in the social sciences workshop, London School of Economics, 8 September 2014, London, England.

- Joint modelling of longitudinal and survival data, at Eastern North American Region of International Biometrics Society (ENAR-IBS) 2014 Spring Meeting, 16 March 2014, Baltimore, USA.

- Practical statistical computing: A workshop on advanced R, by RSS Lancashire Local Group, 21 May 2013, Lancaster University

- Statistical Modelling, Statistical Asymptotics, Spatial and Longitudinal Data Analysis and Nonparametric Smoothing sessions of the Academy for PhD Training in Statistics (APTS), 2013.

- Bayesian Inference, Computationally Intensive Methods, Principles of Epidemiology, Survival and Event History Analysis, Environmental Epidemiology, Methods for Missing Data, Bootstrap Methods and Their Applications offered by the Department of Mathematics & Statistics, Lancaster University.

- Managing Your PhD Year 1, Using databases in your research, Project Management for PG Researchers, Writing Scientific Papers by the Research Training Program of Lancaster University.

- Missing Data, 8 May 2011, at the 6th Eastern - Mediterranean Region - International Biometric Society Conference (EMR-IBS), Crete, Greece.

- Introduction to Statistical Analysis of Microarray Data with R, 24 December 2010, in "3rd Microarray Training and Data Analysis Course" , Middle East Technical University, Central Laboratory, Molecular Biology and Biotechnology R&D Center, Ankara, Turkey.

- Panel Data Analysis, 28 September - 01 October, 2009 (4-day Short Course) in Turkish Statistical Institute, Ankara, Turkey.

PROFESSIONAL EXPERIENCE

- Organised the workshop entitled "A Workshop on Data Scientific Statistical Theory and Application", 26 June, 2018, Acıbadem University, İstanbul, Turkey.

- Young Statistician Section representative in the Electronic Publication Working Group of the Royal Statistical Society, 2015 - 2016.

- Committee member of the Young Statistician Section of the Royal Statistical Society, 2015 - 2016.

- Chaired the sessions "Prize winners Research Students' Conference 2015" and "General", in the 2015 International Conference of the Royal Statistical Society, September 7 - 10, Exeter, UK.

- Judge for "The ENAR Regional Advisory Board (RAB) Poster Competition Award", in Eastern North American Region of International Biometric Society (ENAR-IBS) 2015 Spring Meeting, 15 - 18 March 2015, Miami, USA.

- Chaired the session "Methods in Causal Inference: Instrumental Variable, Propensity Scores and Matching", in Eastern North American Region of International Biometric Society (ENAR-IBS) 2015 Spring Meeting, 15 - 18 March 2015, Miami, USA.

- Chaired the session "Outside the Standard Setting" in Survival Analysis for Junior Researchers Conference, 3 - 4 April 2014, University of Warwick, Coventry, UK.

- Chaired the session "Tools for Longitudinal Data Analysis" in Eastern North American Region of International Biometric Society (ENAR-IBS) 2014 Spring Meeting, 16 - 19 March 2014, Baltimore, USA.

- Chaired the session entitled "Statistical Modelling" in Research Student's Conference in Probability, Statistics and Social Statistics, 25 - 28th March 2013, Lancaster, UK.

- Research group: Graduate Researcher & Financial and Technical Affairs, NINLIL Research Group for Climate Change, August 2009 - October 2012, Department of Statistics, Middle East Technical University

- Research group: Graduate Researcher, Biostatistics Research Group, May 2010 - October 2012, Department of Statistics, Middle East Technical University.

- Administrative roles: Assistant to the Head of Department (Fall 2009 - Fall 2010), Computer Assistant (Fall 2010 - Fall 2011), Departmental Representation (Spring 2012 - Fall 2012), Department of Statistics, Middle East Technical University.

- Congress Student Assistant, work included making the opening speech of the congress and being responsible for the invited sessions & speakers and technical affairs
International 7th Statistical Congress, held in 28 April - 1 May, 2011 in Antalya, Turkey

	• Organization Committee Member 7th Statistics Days Symposium, held in 28 - 30 June, 2010 in Ankara, Turkey
	• Practical Training State Planning Organization, 04 - 08 February, 2008 in Ankara, Turkey
SERVED AS A THESIS JURY	**PhD** • Artür Manukyan (2017, September) Statistical Learning with Proximity Catch Digraphs. Department of Mathematics, Koç University, Turkey. • Polat Charyyev (2017, August) The optimal obstacle placement with disambiguation problem. Department of Mathematics, Koç University, Turkey. • Zoya Khalid (2017, April) Computational approaches to study drug resistance mechanisms. Biological Sciences and Bioengineering, Sabancı University, Turkey. • Ahmet Sinan Yavuz (2017, March) Predictive analysis of conditional epigenetic variability. Biological Sciences and Bioengineering, Sabancı University, Turkey. • Ozan Özışık (2016, July) Impact analysis algorithms for biological interaction networks. Department of Computer Engineering, Yıldız Technical University, Turkey. • Selim Bahadır (2016, July) A probabilistic investigation of k nearest neighbor directed graphs. Department of Mathematics, Koç University, Turkey.
COMPUTER SKILLS	• Languages: R (fluent), C++ (very good), Python (intermediate), Julia (intermediate), SAS (intermediate), MATLAB (intermediate) • Packages and applications: Jupyter Notebook, SPSS, Minitab, LATEX, MS Office • Operating Systems: Windows, Linux (Ubuntu)
PROFESSIONAL ASSOCIATION MEMBERSHIPS	• The Royal Statistical Society (2013 - 2015) • The International Biometric Society (2011 - present) • International Epidemiological Association (2014 - 2015) • Bernoulli Society (2011 - 2015)
OTHER MEMBERSHIPS	• Lancaster University Hiking Club (2013 - 2014) • Middle East Technical University Book Club (2005)
LANGUAGES	• Turkish (mother tongue) • English (fluent) • German (intermediate) • Chinese (beginner)
PERSONAL INTERESTS	Sports
REFERENCES	• Peter J. Diggle, Distinguished Professor of Statistics CHICAS, Medical School, Lancaster University, UK E-mail: `p.diggle@lancaster.ac.uk` • David Bolin, Associate Professor of Mathematical Statistics Department of Mathematical Sciences, University of Gothenburg and Chalmers University of Technology, Gothenburg, Sweden E-mail: `david.bolin@chalmers.se`

- Etienne Dantan, Associate Professor of Biostatistics
  INSERM UMR 1246 – SPHERE, Nantes University, Nantes, France
  E-mail: `Etienne.Dantan@univ-nantes.fr`

- Jonas Wallin, Assistant Professor of Mathematical Statistics
  Department of Statistics, Lund University, Lund, Sweden
  E-mail: `jonas.wallin@stat.lu.se`