

## Res. Asst. PhD MAHMUT SAMİ ERDOĞAN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, İstatistik, Turkey 2013 - 2019

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, İstatistik, Turkey 2011 - 2013

Undergraduate, Dokuz Eylul University, Fen Fakültesi, İstatistik Bölümü, Turkey 2006 - 2011

### Dissertations

Doctorate, GEOMETRIC MODELLING IN REGRESSION AND DISTRIBUTION ESTIMATION, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, İstatistik, 2019

Postgraduate, THE USE OF SPLINE BAYESIAN SPLINE AND PENALIZED BAYESIAN SPLINE REGRESSION FOR MODELING, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, İstatistik, 2013

### Research Areas

Statistics, Statistical Analysis and Applications, Natural Sciences

### Academic Titles / Tasks

Research Assistant PhD, Istanbul Medeniyet University, Faculty Of Engineering And Natural Sciences , Statistics , 2019 - Continues

Research Assistant, Dokuz Eylul University, Fen Fakültesi , İstatistik Bölümü, 2012 - 2019

Research Assistant, Istanbul Medeniyet University, Faculty Of Engineering And Natural Sciences , Statistics , 2011 - 2012

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. Plug-in Estimation of Dependence Characteristics of Archimedean Copula via B´ezier Curve**  
Susam S. O. , Erdoğan M. S.  
Revstat-Statistical Journal, vol.0, no.0, 2022 (Peer-Reviewed Journal)
- II. An alternative distribution function estimation method using rational Bernstein polynomials**  
Erdogan M. S. , Disibuyuk C., Oruc O. E.  
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.353, pp.232-242, 2019 (Peer-Reviewed Journal)

## Articles Published in Other Journals

- I. **Probabilistic Approach to the Schoenberg Spline Operator and Unimodal Density Estimator**  
EGE ORUÇ Ö., ERDOĞAN M. S. , ORUÇ H.  
İSTATİSTİK, Journal of the Turkish Statistical Association, vol.17, pp.33-39, 2017 (Peer-Reviewed Journal)
- II. **The Use of Spline, Bayesian Spline and Penalized Bayesian Spline Regression for Modeling**  
ERDOĞAN M. S. , EGE ORUÇ Ö.  
Journal of Scientific Research and Reports, vol.4, pp.153-161, 2015 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **TAIL DEPENDENCE ESTIMATION BASED ON ESTIMATION OF KENDALL DISTRIBUTION FUNCTION VIA RATIONAL BERNSTEIN POLYNOMIALS**  
Erdoğan M. S. , Susam S. O.  
6th International Conference on Advances in Statistics, İzmir, Turkey, 16 - 18 October 2020, pp.27
- II. **A New Distribution Function Estimation Method by Using Non-Uniform Rational B-splines**  
ERDOĞAN M. S. , EGE ORUÇ Ö.  
3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC-2017), Konya, Turkey, 24 May 2017, pp.187
- III. **A Novel Method for Distribution Function Estimation Using Rational Bernstein Polynomial**  
ERDOĞAN M. S. , EGE ORUÇ Ö.  
Xth International Statistics Days Conference (ISDC'2016), Giresun, Turkey, 07 October 2016, pp.30
- IV. **A New Approach Using Rational Bezier Curves for Nonparametric Regression Models**  
ERDOĞAN M. S. , EGE ORUÇ Ö.  
30th European Meeting of Statisticians, Amsterdam, Netherlands, 06 July 2015
- V. **An Alternative Method for Density Estimation Using Rational Bernstein Polynomial**  
ERDOĞAN M. S. , EGE ORUÇ Ö.  
XVIth INTERNATIONAL SYMPOSIUM ON ECONOMETRICS, OPERATIONS RESEARCH AND STATISTICS, Edirne, Turkey, 07 May 2015, pp.95-96
- VI. **Regression Modeling Based on Rational Bézier Curves**  
ERDOĞAN M. S. , EGE ORUÇ Ö.  
3rd International Eurasian Conference on Mathematical Sciences and Applications, Viyana, Austria, 25 August 2014, pp.419
- VII. **Selecting The Model Using Penalized Spline Regression with Bayesian Perspective by Real Data**  
ERDOĞAN M. S. , EGE ORUÇ Ö.  
29th European meeting of Statisticians, Budapest 2013, Budapeşte, Hungary, 20 July 2013, pp.107
- VIII. **MODELING OF THE RATIOS OF EXPORT TO IMPORT USING SPLINE AND BAYESIAN SPLINE**  
ERDOĞAN M. S. , EGE ORUÇ Ö.  
XIVth International Symposium on Econometrics, Operations Research and Statistics (EYİ 2013), Saraybosna, Bosnia And Herzegovina, 24 May 2013, pp.304

## Metrics

Publication: 12

Citation (WoS): 3

Citation (Scopus): 3

H-Index (WoS): 1

H-Index (Scopus): 1

## Congress and Symposium Activities

3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC-2017), Attendee, Konya, Turkey, 2017

Xth International Statistics Days Conference (ISDC'2016), Attendee, Giresun, Turkey, 2016

2nd International Conference on Advances in Statistics, Attendee, Zagreb, Croatia, 2016

30th European Meeting of Statisticians, Attendee, Amsterdam, Netherlands, 2015

XVIth International Symposium on Econometrics, Operations Research and Statistics (EYİ 2015), Attendee, Edirne, Turkey, 2015

3rd International Eurasian Conference on Mathematical Sciences and Applications, Attendee, Vienna, Austria, 2014

29th European meeting of Statisticians, Attendee, Budapest, Hungary, 2013

XIVth International Symposium on Econometrics, Operations Research and Statistics (EYİ 2013), Attendee, Sarajevo, Bosnia And Herzegovina, 2013