

## Assoc. Prof. ESRA POLAT

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, İstatistik, Turkey 2009 - 2014

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, İstatistik, Turkey 2006 - 2009

Undergraduate, Hacettepe University, Fen Fakültesi, İstatistik, Turkey 2002 - 2006

### Foreign Languages

English, C1 Advanced

### Research Areas

Statistics, Statistical Analysis and Applications, Natural Sciences

### Academic Titles / Tasks

Research Assistant, Hacettepe University, Fen Fakültesi, İstatistik Bölümü, 2007 - Continues

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

- I. **The effects of different weight functions on partial robust M-regression performance: A simulation study**  
POLAT E.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.49, no.4, pp.1089-1104, 2020 (SCI-Expanded)
- II. **A NEW ROBUST PARTIAL LEAST SQUARES REGRESSION METHOD BASED ON A ROBUST AND AN EFFICIENT ADAPTIVE REWEIGHTED ESTIMATOR OF COVARIANCE**  
POLAT E., GÜNAY S.  
REVSTAT-STATISTICAL JOURNAL, vol.17, no.4, pp.449-474, 2019 (SCI-Expanded)
- III. **A NEW COMPUTATIONAL APPROACH FOR TESTING EQUALITY OF INVERSE GAUSSIAN MEANS UNDER HETEROGENEITY**

## Articles Published in Other Journals

- I. **The Comparison of Classical and Robust Biased Regression Methods for Determining Unemployment Rate in Turkey Period of 1985 2012**  
POLAT E., TÜRKAN S.  
Journal of data science, vol.14, pp.739-768, 2016 (Peer-Reviewed Journal)
- II. **The Efficiency Analysis of Non-life Insurance Companies Active in Turkey**  
TÜRKAN S., POLAT E., GÜNAY S.  
Zagreb International Review of Economics Business, 2012 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **A Simulation Study for the Comparison of Two Popular Robust PLSR Methods: RSIMPLS and PRM with a Robust PCR Method in the Presence of Outliers**  
POLAT E., GÜNAY S.  
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 22 - 28 September 2014, vol.1648
- II. **The Comparison of Robust Partial Least Squares Regression with Robust Principal Component Regression on a Real Data**  
POLAT E., GÜNAY S.  
11th International Conference of Numerical Analysis and Applied Mathematics (ICNAAM), Greece, 21 - 27 September 2013, vol.1558, pp.1458-1461
- III. **Relationship between Tourism and Trade in Turkey**  
POLAT E., TÜRKAN S., GÜNAY S.  
International Conference On Applied Economics (ICOAE), 26 - 28 August 2010
- IV. **Classification of the Banks in Turkey According to their Financial Performances Using Linear Discriminant Analysis, SIMCA and PLS Discriminant Analysis**  
POLAT E., TÜRKAN S., Guenay S.  
6th International Conference on Partial Least Squares and Related Methods, Beijing, China, 4 - 07 September 2009, pp.156-163

## Supported Projects

- POLAT E., Project Supported by Higher Education Institutions, Avrupa Birliğine Üye ve Aday Ülkelerin Sınıflandırılmasında Etkili olan Ekonomik veya da Demografik Göstergelerin Kısmi En Küçük Kareler Diskriminant Analizini Kullanarak Belirlenmesi, 2017 - 2017
- POLAT E., Project Supported by Higher Education Institutions, Güney Afrika İstatistik Kurumunun 58. Yıllık Konferansına Katılım, 2016 - 2017
- POLAT E., Project Supported by Higher Education Institutions, Türkiyeye Gelen Turist Sayısını Kestirmek için Sağlam Kısmi En Küçük Kareler Regresyon Yöntemlerinin (RSIMPLS,PRM) Sağlam Temel Bileşenler Regresyonu ile Karşılaştırılması, 2016 - 2016
- POLAT E., Project Supported by Higher Education Institutions, Sayısal ve Metodolojik İstatistik Konusunda ERCIM WG'nin 8 Uluslararası Konferansı (CMstatistics2015), 2015 - 2016

## **Metrics**

Publication: 9

Citation (WoS): 17

Citation (Scopus): 8

H-Index (WoS): 2

H-Index (Scopus): 1