

## **Asst. Prof. TUĞBA KARADAVUT**

### **Personal Information**

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### **International Researcher IDs**

ORCID: 0000-0002-8738-7177

Yoksis Researcher ID: 271371

### **Education Information**

Postgraduate, University of Georgia, Lapseki Meslek Yüksekokulu, İstatistik, United States Of America 2016 - 2016

Doctorate, University of Georgia, Gökçeada Uygulamalı Bilimler Y.O., Eğitim Psikolojisi/Nicel Yöntemler, United States Of America 2012 - 2016

Postgraduate, University of Georgia, Gökçeada Uygulamalı Bilimler Y.O., Eğitim Psikolojisi/Eğitimde Ölçme Ve Değerlendirme, United States Of America 2010 - 2011

Undergraduate, Balıkesir University, Eğitim Fakültesi, İlköğretim Matematik Öğretmenliği, Turkey 2003 - 2007

Undergraduate Minor, Balıkesir University, Eğitim Fakültesi, Fen Bilgisi Öğretmenliği, Turkey 2003 - 2007

### **Research Areas**

Social Sciences and Humanities, Education, Educational Sciences, Test and Measurement in Education

### **Academic Titles / Tasks**

Assistant Professor, Recep Tayyip Erdogan University, Eğitim Fakültesi, Eğitim Bilimleri, 2019 - Continues

Assistant Professor, Kilis 7 Aralık University, Eğitim Fakültesi, Eğitim Bilimleri, 2018 - 2019

Research Assistant PhD, Kilis 7 Aralık University, Eğitim Fakültesi, Eğitim Bilimleri, 2017 - 2018

### **Academic and Administrative Experience**

Head of Department, Recep Tayyip Erdogan University, 2019 - 2020

Kilis 7 Aralık University, Eğitim Bilimleri, 2017 - 2019

### **Courses**

Nicel Veri Analizi, Postgraduate, 2019 - 2020

Uzmanlık Alan Dersi 1, Postgraduate, 2019 - 2020

Bilimsel Araştırmalarda Veri Analizi, Postgraduate, 2019 - 2020

Uzmanlık Alan Dersi 2, Postgraduate, 2019 - 2020

Ölçme ve Değerlendirme, Undergraduate, 2019 - 2020, 2018 - 2019

Eğitim İstatistiği, Postgraduate, 2019 - 2020

Bilimsel Araştırma Yöntem ve Teknikleri, Postgraduate, 2018 - 2019

Eğitimde Araştırma Metodları, Postgraduate, 2018 - 2019  
Eğitimde Bilim ve Etik, Undergraduate, 2018 - 2019  
Ölçme ve Değerlendirme, Undergraduate, 2018 - 2019, 2017 - 2018  
İstatistik, Undergraduate, 2018 - 2019, 2017 - 2018  
Karakter ve Değerler Eğitimi, Undergraduate, 2017 - 2018  
Okul Deneyimi, Undergraduate, 2017 - 2018  
Öğretmenlik Uygulaması, Undergraduate, 2017 - 2018  
Bilimsel Araştırma Yöntemleri, Undergraduate, 2017 - 2018

## Articles Published in Other Journals

- I. **Estimation of Mixture Rasch Models from Skewed Latent Ability Distributions**  
Karadavut T., Cohen A. S., Kim S. -. H.  
Measurement: Interdisciplinary Research and Perspectives, vol.18, no.4, pp.215-241, 2020 (ESCI)
- II. **The Reliability and Validity of the Justice Value Scale**  
Karadavut T., Karadağ S., Nacar B.  
Kilis 7 Aralık Üniversitesi Sosyal Bilimler Dergisi, vol.10, no.19, pp.151-163, 2020 (Peer-Reviewed Journal)
- III. **Mixture Rasch Model with Main and Interaction Effects of Covariates on Latent Class Membership**  
KARADAVUT T., Cohen A. S., KIM S.  
INTERNATIONAL JOURNAL OF ASSESSMENT TOOLS IN EDUCATION, vol.6, no.3, pp.362-377, 2019 (ESCI)
- IV. **The Uniform Prior for Bayesian Estimation of Ability in Item Response Theory Models**  
KARADAVUT T.  
INTERNATIONAL JOURNAL OF ASSESSMENT TOOLS IN EDUCATION, vol.6, no.4, pp.568-579, 2019 (ESCI)
- V. **An Implementation of the Gibbs Sampling Method Under the Rasch Model**  
Şen S., KARADAVUT T., Eom H. J., Cohen A. S., Kim S. -. H.  
JOURNAL OF MEASUREMENT AND EVALUATION IN EDUCATION AND PSYCHOLOGY-EPOD, vol.9, pp.258-276, 2018 (Peer-Reviewed Journal)
- VI. **Rasch Modelinde Gibbs Örneklem Yönteminin Uygulanması**  
Şen S., Karadavut T., Eom H. J., Cohen A. S., Kim S. H.  
Eğitimde ve Psikolojide Ölçme ve Değerlendirme Dergisi, vol.9, no.3, pp.258-276, 2018 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Parametrik Olmayan (Non-Parametrik) İstatistik Yöntemleri**  
KARADAVUT T.  
in: Sosyal Bilimlerde İstatistik Excel Ve SPSS Uygulamaları, Fatih Orçan, Editor, Anı Yayıncılık, Ankara, pp.221-259, 2020

## Refereed Congress / Symposium Publications in Proceedings

- I. **Opinions of the Pre-service Teachers Regarding the Educational Measurement and Evaluation Course**  
Karadavut T., Nacar B., Karadavut Z.  
International Conference on Science and Education, Antalya, Turkey, 29 October - 01 November 2020, vol.18, pp.75-79
- II. **EXAMINING THE RELATION BETWEEN THE MAJOR OF STUDENTS AND THEIR ACHIEVEMENT IN THE EDUCATIONAL MEASUREMENT AND EVALUATION COURSE USING A MIXTURE IRT MODEL**  
KARADAVUT T.

International Conference on Science and Education, Antalya, Turkey, 26 - 29 October 2019, pp.15

- III. **DIF ANALYSES WITH MANIFEST AND LATENT GROUPS: ANALYSES OF PISA 2012 MATHEMATICS DATA FROM TURKEY**  
Karadavut T.  
IConSE2017: International Conference on Science and Education (IConSE), Antalya, Turkey, 26 - 29 October 2017, vol.8, pp.103-106
- IV. **ESTIMATION OF ITEM RESPONSE THEORY MODELS WHEN ABILITY IS UNIFORMLY DISTRIBUTED**  
Karadavut T.  
ICRES2017: International Conference on Research in Education and Science, Aydın, Turkey, 18 - 21 May 2017, vol.7, pp.30-37
- V. **Linking in mixture IRT models**  
KARADAVUT T., Cohen A. S.  
National Council on Measurement in Education, Texas, United States Of America, 26 - 30 April 2017
- VI. **Estimation of mixture IRT models from non-normally distributed data**  
KARADAVUT T., Cohen A. S.  
National Council on Measurement in Education, Washington, United States Of America, 7 - 11 April 2016
- VII. **Mixture Rasch models with skew-t distribution**  
KARADAVUT T., Cohen A. S.  
University of Georgia College of Education Graduate Student Research Conference, Georgia, United States Of America, 01 April 2016
- VIII. **Secondary analysis of PISA 2012 data using a mixture Rasch model with a covariate**  
KARADAVUT T., Kim S. -. H.  
American Educational Research Association, Chicago, United States Of America, 16 - 20 April 2015
- IX. **Continuous latent variables as a covariate in a mixture Rasch model**  
KARADAVUT T., Cohen A. S., Kim S. -. H.  
National Council on Measurement in Education, Chicago, United States Of America, 15 - 19 April 2015
- X. **Diagnosing teachers' understandings of rational number: Exploring the effects of interpreting drawn figures**  
Arıcan M., KARADAVUT T., Jung E., Bradshaw L. P., Izsak A.  
University of Georgia College of Education Graduate Student Research Conference, Georgia, United States Of America, 01 April 2014
- XI. **Evaluation of cut scores determined based on contrasting group method and item descriptor matching method (IDM) by using the mixture Rasch model**  
Jang Y., KARADAVUT T.  
National Council on Measurement in Education, California, United States Of America, 28 - 30 April 2013
- XII. **Learning for tomorrow's world: Theoretical underpinning of the techniques used to create PISA database**  
KARADAVUT T., Cohen A. S.  
University of Georgia College of Education Graduate Student Research Conference, Georgia, United States Of America, 01 April 2010

## Other Publications

- I. **Opinions of the Pre-service Teachers Regarding the Educational Measurement and Evaluation Course**  
Karadavut T., Nacar B., Karadavut Z.  
Presentation, pp.75-79, 2020
- II. **DIF analyses with manifest and latent groups: Analyses of PISA 2012 mathematics data from Turkey**  
KARADAVUT T.  
Presentation, pp.103-106, 2017

- III. **Estimation of Item Response Theory models when ability is uniformly distributed**  
KARADAVUT T.  
Presentation, pp.30-37, 2017
- IV. **Secondary analysis of PISA 2012 data using a mixture Rasch model with a covariate**  
KARADAVUT T., Kim S. -. H.  
Other, 2015

## **Supported Projects**

KARADAVUT T., TUBITAK Project, (Eğitmen) Lisansüstü Bilimsel Araştırma Günleri, 2019 - 2019  
Other International Funding Programs, (Araştırmacı) Instructional Conversation (IC) Project, 2011 - 2016

## **Memberships / Tasks in Scientific Organizations**

Recep Tayyip Erdoğan Üniversitesi, Member, 2019 - Continues

## **Scientific Refereeing**

Eğitim ve Bilim, Journal Indexed in SSCI, January 2019  
International Journal of Assessment Tools in Education, Other Indexed Journal, January 2019  
Elementary Education Online, Other Indexed Journal, January 2019  
Eğitimde ve Psikolojide Ölçme ve Değerlendirme Dergisi, National Scientific Refreed Journal, January 2019  
International Journal of Assessment Tools in Education, National Scientific Refreed Journal, January 2018  
Eğitim ve Bilim, Journal Indexed in SSCI, April 2017  
Eğitimde ve Psikolojide Ölçme ve Değerlendirme Dergisi, National Scientific Refreed Journal, March 2017  
Elementary Education Online, National Scientific Refreed Journal, March 2017

## **Metrics**

Publication: 23  
H-Index (WoS): 1

## **Congress and Symposium Activities**

(Konuşmacı) Anket Hazırlama ve Değerlendirme Semineri, Attendee, Rize, Turkey, 2020  
(Eğitmen) Eğitimcilerin Eğitimi Sertifika Programı, Attendee, Rize, Turkey, 2019