

Assoc. Prof. BURCU ATAR

Personal Information

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Education Information

Doctorate, Florida State University, United States Of America 2002 - 2007

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Differential Item Functioning Analyses for Mixed Response Data Using IRT Likelihood-Ratio Test, Logistic Regression, and GLLAMM Procedures, Florida State University, 2007

Academic Titles / Tasks

Associate Professor, Hacettepe Üniversitesi, Eğitim Fakültesi, Eğitim Bilimleri Bölümü, 2013 - Continues

Assistant Professor, Hacettepe Üniversitesi, Eğitim Fakültesi, Eğitim Bilimleri Bölümü, 2012 - 2013

Research Assistant, Hacettepe Üniversitesi, Eğitim Fakültesi, Eğitim Bilimleri Bölümü, 2001 - 2012

Courses

İleri İstatistik Uygulamaları, Doctorate, 2016 - 2017

Eğitimde Ölçme ve Değerlendirme, Undergraduate, 2016 - 2017

Çok Değişkenli İstatistik, Doctorate, 2016 - 2017

Advising Theses

ATAR B., KAYIP VERİ İLE BAŞ ETME YÖNTEMLERİNİN ÖLÇME DEĞİŞMEZLİĞİNE ETKİSİ AÇISINDAN KARŞILAŞTIRILMASI, Postgraduate, M.ALİ(Student), 2017

ATAR B., Çoklu göstergeler çoklu nedenler ve lojistik regresyon yöntemlerinin değişen madde fonksiyonunu belirleme performansları, Postgraduate, S.ARSLAN(Student), 2014

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- Comparability of TIMSS 2015 Mathematics Test Scores Across Country Subgroups**
ATAR B., ATALAY KABASAKAL K., KIBRISLIOĞLU UYSAL N.
JOURNAL OF EXPERIMENTAL EDUCATION, 2021 (Journal Indexed in SSCI)

- II. **Investigation of possible item bias on PISA 2015 science items across Chile, Costa Rica and Mexico (Estudio de los posibles sesgos entre los items de ciencias de la prueba PISA 2015 de Chile, Costa Rica y Mexico)**
Dzul-Garcia C., ATAR B.
CULTURE EDUCATION, 2020 (Journal Indexed in SSCI)
- III. **Examination of the Classification Accuracy of Music Education Special Aptitude Exams**
ATAR H. Y. , SAYIN A., ATAR B.
KURAM VE UYGULAMADA EGITIM BILIMLERI, vol.13, no.3, pp.1573-1577, 2013 (Journal Indexed in SSCI)
- IV. **Person Explanatory Item Response Theory Analysis: Latent Regression Two Parameter Logistic Model**
ATAR B., Aktan D. C.
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.38, no.168, pp.59-68, 2013 (Journal Indexed in SSCI)
- V. **Examining the Effects of Turkish Education Reform on Students' TIMSS 2007 Science Achievements**
ATAR H. Y. , ATAR B.
KURAM VE UYGULAMADA EGITIM BILIMLERI, vol.12, no.4, pp.2632-2636, 2012 (Journal Indexed in SSCI)
- VI. **INVESTIGATING THE MULTILEVEL EFFECTS OF SEVERAL VARIABLES ON TURKISH STUDENTS' SCIENCE ACHIEVEMENTS ON TIMSS**
ATAR H. Y. , ATAR B.
JOURNAL OF BALTIC SCIENCE EDUCATION, vol.11, no.2, pp.115-126, 2012 (Journal Indexed in SSCI)
- VII. **COMPARISON OF IRT LIKELIHOOD RATIO TEST AND LOGISTIC REGRESSION DIF DETECTION PROCEDURES**
ATAR B., Kamata A.
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, no.41, pp.36-47, 2011 (Journal Indexed in SSCI)
- VIII. **An Application of Descriptive and Explanatory Item Response Models to TIMSS 2007 Turkey Mathematics Data**
Atar B.
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.36, no.159, pp.255-269, 2011 (Journal Indexed in SSCI)

Articles Published in Other Journals

- I. **Investigation of Classification Accuracy, Test Length and Measurement Precision at Computerized Adaptive Classification Tests**
Demir S., ATAR B.
JOURNAL OF MEASUREMENT AND EVALUATION IN EDUCATION AND PSYCHOLOGY-EPOD, vol.12, no.1, pp.15-27, 2021 (Journal Indexed in ESCI)
- II. **Investigation of the Effect of Missing Data Handling Methods on Measurement Invariance of Multi-Dimensional Structures**
Isikoglu M. A. , ATAR B.
JOURNAL OF MEASUREMENT AND EVALUATION IN EDUCATION AND PSYCHOLOGY-EPOD, vol.11, no.3, pp.311-323, 2020 (Journal Indexed in ESCI)
- III. **Performances of MIMIC and Logistic Regression Procedures in Detecting DIF**
UĞURLU S., ATAR B.
JOURNAL OF MEASUREMENT AND EVALUATION IN EDUCATION AND PSYCHOLOGY-EPOD, vol.11, no.1, pp.1-12, 2020 (Journal Indexed in ESCI)
- IV. **The Effects of Student and School Level Characteristics on Academic Achievement of Middle School Students in Turkey**
KARAMAN P., ATAR B.
JOURNAL OF MEASUREMENT AND EVALUATION IN EDUCATION AND PSYCHOLOGY-EPOD, vol.10, no.4, pp.391-405, 2019 (Journal Indexed in ESCI)

- V. **Investigation of the Performance of Multidimensional Equating Procedures for Common-Item Nonequivalent Groups Design**
ATAR B., YEŞİLTAS G.
JOURNAL OF MEASUREMENT AND EVALUATION IN EDUCATION AND PSYCHOLOGY-EPOD, vol.8, no.4, pp.421-434, 2017 (Journal Indexed in ESCI)
- VI. **Açımlayıcı Faktör Analizinde Kullanılan Faktör Çıkartma Yöntemlerinin Karşılaştırılması**
KARAMAN H., ATAR B., ÇOBANOĞLU AKTAN D.
Gazi Üniversitesi Gazi Eğitim Fakültesi Dergisi, vol.37, pp.1173-1193, 2017 (Other Refereed National Journals)
- VII. **A DIF and Bias Study by using MIMIC, SIBTEST, Logistic Regression and Mantel-Haenszel Methods**
AKIN ARIKAN Ç., UĞURLU S., ATAR B.
HACETTEPE UNIVERSİTESİ EGİTİM FAKÜLTESİ DERGİSİ-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.31, no.1, pp.34-52, 2016 (Journal Indexed in ESCI)
- VIII. **Lise Öğrencilerinin Demokratik Okul Kültürü Algılarının İncelenmesi**
ATALAY KABASAKAL K., GÖÇER ŞAHİN S., KELECİOĞLU H., GELBAL S., ATAR B., DOĞAN N.
Kuram ve Uygulamada Eğitim Yönetimi, vol.21, pp.247-270, 2015 (Other Refereed National Journals)
- IX. **Comparison of Simple Linear Regression Analysis and Hierarchical Linear Models Analysis**
ATAR B.
JOURNAL OF MEASUREMENT AND EVALUATION IN EDUCATION AND PSYCHOLOGY-EPOD, vol.1, no.2, pp.78-84, 2010 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Doğrulayıcı Faktör Analizinde Kullanılan Kestirim Yöntemlerinin Karşılaştırmalı Olarak İncelenmesi**
KILIÇ A. F. , UYSAL İ., ATAR B.
IV. International Eurasian Educational Research Congress, Denizli, Turkey, 11 - 14 May 2017, pp.1289-1290
- II. **SINIF İÇİ ÖLÇME VE DEĞERLENDİRME YETERLİKLERİ ENVANTERİNİN UYARLANMASI**
ÇOBANOĞLU AKTAN D., ATAR B.
Uluslararası Öğretmen Yetiştirme Politikaları ve Sorunları Sempozyumu II, 16 - 18 May 2010

Citations

Total Citations (WOS):24

h-index (WOS):3