

Lect. PhD BURAK AYDIN

Personal Information

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Education Information

Doctorate, University of Florida, College Of Education, Research And Evaluation Methodology, United States Of America
2010 - 2014

Doctorate, University of Florida, Department Of Statistics, Doktora Yandal (Phd Minor) İn Applied Statistics, United States
Of America 2012 - 2013

Postgraduate, University of Florida, College Of Education, Research And Evaluation Methodology, United States Of
America 2008 - 2010

Undergraduate, Kocaeli University, Eğitim Fakültesi, İlköğretim Matematik Öğretmenliği , Turkey 2002 - 2006

Dissertations

Doctorate, STATISTICAL POWER IN CLUSTER RANDOMIZED TRIALS: AN EVALUATION OF OBSERVED AND LATENT
MEAN COVARIATE , University of Florida, College Of Education, Research And Evaluation Methodology, 2014

Research Areas

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

Academic Titles / Tasks

Lecturer PhD, Recep Tayyip Erdogan University, Eğitim Fakültesi, Eğitim Bilimleri , 2015 - Continues

Jury Memberships

Doctorate, Doktora tez jurisi, University of Florida, November, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Knowledge of Autism Spectrum Disorder among the General Population in Turkey: Implications for Public Training and Education**
RAKAP S., Balıkcı S., KALKAN S., Aydın B.
INTERNATIONAL JOURNAL OF DISABILITY DEVELOPMENT AND EDUCATION, vol.69, no.2, pp.565-577, 2022
(SSCI)

- II. **Lowering Risk for Significant Behavior Problems Through Cognitive-Behavioral Intervention: Effects of the Tools for Getting Along Curriculum 2 Years Following Implementation**
Daunic A. P., Smith S. W., Aydin B., Barber B.
JOURNAL OF PRIMARY PREVENTION, vol.40, no.4, pp.463-482, 2019 (SSCI)
- III. **The impact of higher education on unemployed Turkish people's attitudes toward gender: A multilevel analysis**
GÖK E., Aydin B., Weidman J. C.
INTERNATIONAL JOURNAL OF EDUCATIONAL DEVELOPMENT, vol.66, pp.155-163, 2019 (SSCI)
- IV. **Comparison of model- and design-based approaches to detect the treatment effect and covariate by treatment interactions in three-level models for multisite cluster-randomized trials**
Aydin B., Algina J., Leite W. L.
BEHAVIOR RESEARCH METHODS, vol.51, no.1, pp.243-257, 2019 (SSCI)
- V. **A Comparison of Propensity Score Weighting Methods for Evaluating the Effects of Programs With Multiple Versions**
Leite W. L., Aydin B., Gurel S.
JOURNAL OF EXPERIMENTAL EDUCATION, vol.87, no.1, pp.75-88, 2019 (SSCI)
- VI. **Investigation and comparison of Turkish and American preschool teacher candidates' attitudes towards inclusion of young children with disabilities**
Rakap S., Parlak-Rakap A., Aydin B.
INTERNATIONAL JOURNAL OF INCLUSIVE EDUCATION, vol.20, no.11, pp.1223-1237, 2016 (SSCI)
- VII. **The Effects of Including Observed Means or Latent Means as Covariates in Multilevel Models for Cluster Randomized Trials**
Aydin B., LEITE W. L., Algina J.
EDUCATIONAL AND PSYCHOLOGICAL MEASUREMENT, vol.76, no.5, pp.803-823, 2016 (SCI-Expanded)
- VIII. **Effect of Tools for Getting Along on Student Risk for Emotional and Behavioral Problems in Upper Elementary Classrooms: A Replication Study**
SMITH S. W., DAUNIC A. P., Aydin B., Van Loan C. L., Barber B. R., TAYLOR G. G.
SCHOOL PSYCHOLOGY REVIEW, vol.45, no.1, pp.73-92, 2016 (SSCI)
- IX. **Preventing Risk for Significant Behavior Problems Through a Cognitive-Behavioral Intervention: Effects of the Tools for Getting Along Curriculum at One-Year Follow-Up**
SMITH S. W., DAUNIC A. P., Barber B. R., Aydin B., Van Loan C. L., TAYLOR G. G.
JOURNAL OF PRIMARY PREVENTION, vol.35, no.5, pp.371-387, 2014 (SSCI)
- X. **The Consequences of Ignoring Variability in Measurement Occasions Within Data Collection Waves in Latent Growth Models**
Aydin B., LEITE W. L., ALGINA J.
MULTIVARIATE BEHAVIORAL RESEARCH, vol.49, no.2, pp.149-160, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Preliminary Study to Evaluate the Reproducibility of Factor Analysis Results: The Case of Educational Research Journals in Turkey**
Aydin B., Kaplan M., ATILGAN H., Gurel S.
JOURNAL OF MEASUREMENT AND EVALUATION IN EDUCATION AND PSYCHOLOGY-EPOD, vol.10, no.1, pp.1-11, 2019 (ESCI)
- II. **Preschool Teachers' Use of Strategies to Support Social-Emotional Competence in Young Children**
RAKAP S., Balıkcı S., KALKAN S., Aydin B.
INTERNATIONAL JOURNAL OF EARLY CHILDHOOD SPECIAL EDUCATION, vol.10, no.1, pp.11-24, 2018 (ESCI)
- III. **Yükseköğretim Öğrenci Mentörlük Ölçeği Geliştirme Yolunda Pilot Bir Çalışma**
GÖK E., AYDIN B.
Kırıkkale Üniversitesi Sosyal Bilimler Dergisi, vol.7, no.1, pp.107-120, 2017 (Peer-Reviewed Journal)

- IV. **Çok Düzeyli Modeller: Sürekli Değişken ile İki Düzeyli Model Örneği ve R Programı ile Analizi**
AYDIN B.
EGE EĞİTİM DERGİSİ, vol.2, no.17, pp.567-596, 2016 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **An R Companion: A Compact Introduction for Social Scientists**
AYDIN B., Algina J., Leite W., ATILGAN H.
Anı, Ankara, 2018
- II. **Sosyal Bilimler İçin R' a Giriş**
AYDIN B., Algina J., Leite W., ATILGAN H.
Anı Yayıncılık, Ankara, 2018
- III. **Sözlü sınavlar**
AYDIN B.
in: Eğitimde ölçme ve değerlendirme, Hakan ATILGAN, Editor, Anı Yayıncılık, Ankara, pp.151-166, 2017
- IV. **Kısa yanıtli sınavlar**
AYDIN B.
in: Eğitimde ölçme ve değerlendirme, Hakan ATILGAN, Editor, Anı Yayıncılık, Ankara, pp.167-180, 2017
- V. **Davranışların ölçülmesi**
AYDIN B.
in: Eğitimde ölçme ve değerlendirme, Hakan ATILGAN, Editor, Anı Yayıncılık, Ankara, pp.103-126, 2017
- VI. **Yazılı yoklamalar**
AYDIN B.
in: Eğitimde ölçme ve değerlendirme, Hakan ATILGAN, Editor, Anı Yayıncılık, Ankara, pp.131-150, 2017
- VII. **Çoktan seçmeli sınavlar**
AYDIN B.
in: Eğitimde ölçme ve değerlendirme, Hakan ATILGAN, Editor, Anı Yayıncılık, Ankara, pp.202-232, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **The effect of attitudes and media literacy on pre-serviceteachers' informal reasoning about hydroelectric power**
NAMDAR B., AYDIN B., RAVEN S.
Narst 2018 Annual International Conference, Atlanta, Ga, United States Of America, 10 - 13 March 2018, pp.1
- II. **The effect of attitudes and media literacy on pre-serviceteachers' informal reasoning about hydroelectric power**
NAMDAR B., AYDIN B., RAVEN S.
Narst 2018 Annual International Conference, Atlanta, Ga, United States Of America, 10 - 13 March 2018, pp.1
- III. **Üç Düzeyli Modellerde Birinci Düzey Bağımsız Değişkenin Örtük Ortalamalarının Hesaplanması**
AYDIN B.
9. Uluslararası Eğitim Araştırmaları Kongresi, Ordu, Turkey, 11 - 14 May 2017, pp.324
- IV. **Kümelerin Seçkisiz Atandığı Çalışmalarda Etki Heterojenliğinin İncelenmesi**
AYDIN B., Algina J., Leite W.
9. Uluslararası Eğitim Araştırmaları Kongresi, Ordu, Turkey, 11 - 14 May 2017, pp.325
- V. **Is (Ph.D. + Ph.D. Minor + Intern) bigger than (Ph.D.)?**
AYDIN B.
Florida Educational Research Association, Florida, United States Of America, 16 - 17 November 2016, pp.15
- VI. **Bir BiliGsel Tanı Modeli Uygulaması: Niteliklerin Belirlenmesi ve Geçerlik Analizi**
KAPLAN M., ATILGAN H., GÜREL S., AYDIN B.

- Eğitimde ve Psikolojide Ölçme ve Değerlendirme Kongresi, Antalya, Turkey, 1 - 03 September 2016, pp.187
- VII. **Faktör Analizi Kullanılan Yayınları Bilimsel Makalelerde Örneklem Özellikleri**
AYDIN B., ATILGAN H., GÜREL S., KAPLAN M.
Eğitimde ve Psikolojide Ölçme ve Değerlendirme Kongresi, Antalya, Turkey, 1 - 03 September 2016, pp.179
- VIII. **Likert Tipli Envanterler Nasıl Puanlanmalı?**
GÜREL S., ATILGAN H., AYDIN B., KAPLAN M.
Eğitimde ve Psikolojide Ölçme ve Değerlendirme Kongresi, Antalya, Turkey, 1 - 03 September 2016, pp.204
- IX. **MAVIS: Meta Analysis via Shiny**
Hamilton K., AYDIN B.
UseR 2016 Conference, Stanford University, United States Of America, 27 - 30 June 2016, pp.132
- X. **ÇALIŞTAY: EĞİTİM ARAŞTIRMALARINDA "R" İLE ANALİZ**
AYDIN B., Kaplan M., Gürel S.
IIIrd INTERNATIONAL EURASIAN EDUCATIONAL RESEARCH CONGRESS, Muğla, Turkey, 31 May - 03 June 2016, pp.6
- XI. **A comparison of methods for imputation of missing covariate data prior to propensity score analysis**
Leite W., AYDIN B., Gürel S., Berber Cetin D.
Modern Modeling Methods Conference, University Of Connecticut, United States Of America, 23 - 25 May 2016, pp.1
- XII. **Klasik Test Teorisi Hesaplamalarını Yürütebilen Açık Kaynak Kodlu ve Türkçe Web Uygulamasının Tanıtımı**
AYDIN B., TÜYSÜZ B.
10th International Computer & Instructional Technologies Symposium, Rize, Turkey, 16 - 18 May 2016, pp.115
- XIII. **Klasik Test Teorisi Hesaplamalarını Yürütebilen Açık Kaynak Kodlu ve Türkçe Web Uygulamasının Tanıtımı**
AYDIN B., TÜYSÜZ B.
10th International Computer & Instructional Technologies Symposium, Rize, Turkey, 16 - 18 May 2016, pp.115
- XIV. **META-ANALİTİK HESAPLAMALAR İÇİN KULLANILABİLECEK TÜRKÇE VE AÇIK ERİŞİMLİ BİR İNTERNET UYGULAMASI: aRma**
AYDIN B., Rakap S.
The Eighth International Congress of Educational Research, Çanakkale, Turkey, 5 - 08 May 2016, pp.186
- XV. **WEB OF SCIENCE'TA YER ALAN TÜRKİYE ADRESLİ DERGİLERDEKİ MAKALELERE İLİŞKİN BİBLİYOMETRİK BİR ANALİZ**
YAYLACI A. F., AYDIN B.
The Eighth International Congress of Educational Research, Çanakkale, Turkey, 5 - 08 May 2016, pp.572
- XVI. **WEB OF SCIENCE'TA YER ALAN TÜRKİYE ADRESLİ DERGİLERDEKİ MAKALELERE İLİŞKİN BİBLİYOMETRİK BİR ANALİZ**
YAYLACI A. F., AYDIN B.
The Eighth International Congress of Educational Research, Çanakkale, Turkey, 5 - 08 May 2016, pp.572
- XVII. **TEK DENEKLİ ARAŞTIRMA MODELLERİNDE KULLANILAN NONPARAMETRİK ETKİ BÜYÜKLÜĞÜ YÖNTEMLERİNİN KARŞILAŞTIRILMASI**
Rakap S., AYDIN B.
The Eighth International Congress of Educational Research, Çanakkale, Turkey, 5 - 08 May 2016, pp.460
- XVIII. **A Comparison of Methods for Imputation of Missing Covariate Data Prior to Propensity Score Analysis**
Leite W., AYDIN B.
AERA 2016 Annual Meeting, Washington, United States Of America, 8 - 12 April 2016, pp.109
- XIX. **STATISTICAL POWER IN LONGITUDINAL CLUSTER RANDOMIZED TRIALS: COMPARISON OF LATENT GROWTH MODELS VERSUS ANALYSES OF COVARIANCE**
AYDIN B.
2016 ACADEMIC OASIS/IAABR – ORLANDO, Orlando, United States Of America, 9 - 12 March 2016, pp.10
- XX. **Methods to detect treatment effect in cluster randomized trials**

AYDIN B., Algina J., Leite W.

American Educational Research Association, Philadelphia, United States Of America, 2 - 06 April 2014, pp.105

XXI. A comparison of propensity score methods for evaluating the effects of programs with multiple versions

Leite W., AYDIN B., Gurel S.

American Educational Research Association, San Francisco, United States Of America, 3 - 07 April 2013, pp.191

XXII. Coding Time in Latent Growth Models

AYDIN B., Algina J., Leite W.

American Educational Research Association, New Orleans, United States Of America, 1 - 05 April 2011, pp.306-307

Supported Projects

AYDIN B., TUBITAK Project, Erken Öğrenme için Gömülü Öğretim: Okul Öncesi Öğretmenleri için Araçlar Erken Eğitim Programının Uyarlanması ve Etkililiğinin İki Farklı Mesleki Gelişim Modeli Kullanılarak İncelenmesi, 2015 - Continues
SARI S. V., CAMADAN F., YILMAZ İ., AYDIN B., Project Supported by Higher Education Institutions, Lise Öğrencilerinin Kariyer Keşfi Sonuç Beklentisi Düzeylerinin Geliştirilmesi: Kariyer Keşfi Sonuç Beklentisi Ölçeğinin Türkçe'ye Uyarlanması, 2016 - 2016

AYDIN B., Other International Funding Programs, Development of a Social-Emotional Learning Curriculum for Children At Risk for Emotional or Behavioral Disorder, 2010 - 2013

Other International Funding Programs, Impact of Professional Development on Preschool Teachers' Use of Embedded-Instruction Practices, 2007 - 2010

Scientific Refereeing

Sage Open, Other Indexed Journal, November 2017

Multivariate behavioral research, Journal Indexed in SSCI, September 2017

Educational and psychological measurement, Journal Indexed in SSCI, June 2017

Behavioral research methods, Journal Indexed in SSCI, April 2017

Eurasian Journal of Educational Research, Other Indexed Journal, February 2017

Methodology, Journal Indexed in SSCI, December 2016

Educational and Psychological Measurement, Journal Indexed in SSCI, February 2016

EĞİTİM VE BİLİM, Journal Indexed in SSCI, December 2015

European Journal of Research Methods for the Behavioral and Social Sciences, Journal Indexed in SSCI, December 2015

Educational Psychology Review, Journal Indexed in SSCI, October 2014

Metrics

Publication: 43

Citation (WoS): 53

Citation (Scopus): 48

H-Index (WoS): 4

H-Index (Scopus): 4

Congress and Symposium Activities

Florida Educational Research Association, Invited Speaker, Florida, United States Of America, 2016

Scholarships

1416, Ministry of Education, 2008 - Continues

Non Academic Experience

Business Organization (private), Camber Co