



• Field Quantitative/Psychometric Methods
• Name Seo, Dong-gi
• Title Assistant professor

• Office Laboratory College of Social Sciences & Business 2 13412-1
• Tel 1728
• email w motive@hallym.ac.kr

| Educational background

- Department of Psychology, SungKyunKwan University (Bachelor. 2002)
Department of Psychology, Middle Tennessee State University (M.A. 2004)
Department of Psychology, University of Minnesota Twin-Cities (Ph.D. 2010)

| Major careers

2015~ Present : Assistant Professor, Psychology in Hallym University
2014~2015 : Senior Psychometrician in National Registry of Emergency Medical Technician
2010~2014 : Lead Psychometrician in Michigan Department of Education
2009~2010 : Psychometrician in Data Recognition Corporation

| Studies & Books

■ 주요 연구주제

- 컴퓨터 개별적응 검사(Computerized Adaptive Testing)
- 문항반응이론 (Item Response Theory)
- 심리측정 및 검사(Psychological Measurement and Testing)
- 구조방정식 (Structural Equation Modeling)
- 종단연구 및 성장모형 (Longitudinal Data Analysis and Growth Modeling)

■ 연구 논문 (1저자/교신저자)

- 이상준, 한여울, 김효원, 이희재, 박재영, 최기홍, 박두진, 최정욱, 김명기, 서동기 (2019). 다차원 성격검사 도구의 개발과 타당화 예비연구: 일반 성격과 부적응 성격의 통합적 평가. 한국임상심리학회, 36(3), 402-417.
- Park, Y., Seo, D. G., Park, J., Kim, B., & Choi, J. (2019): The influence of behavioral and emotional characteristics on academic achievement of middle school students: A growth modeling approach. School Psychology International. 1 (1), 1-23.
- Suh, JW., Lee, HJ., Yoo, N., Min, H., Seo, DG., & Choi, KH., (2019). A Brief Version of the Leahy Emotional Schema Scale: a Validation Study. International Journal of Cognitive Therapy. 12(1), 38-54.

- 서동기, 이순목, 김종남 외 (2019). 단축형 심리검사 개발의 측정학적 방법과 타당화: 한국형 역기능 우울척도를 중심으로. 한국심리학회지: 일반, 38(1), 75-105.
- 김종남, 이순목, 최승원, 채정민, 서동기, 이현정, 원은수 (2018). 한국형 역기능우울척도의 개발 및 타당화. 스트레스 연구, 26(2), 103-114.
- Seo, D. G., & Choi, J. (2018). Post hoc simulation study of computerized adaptive testing for the Korean Medical Licensing Examination. *Journal of Educational Evaluation Health Profession*, 15.
- 서동기, 김예실, 유대열, 임다현 (2018). 한국판 PCI 검사의 타당화 연구: 국내 직무장면을 중심으로. 한국경영컨설팅학회, 18(2), 37-48.
- 최윤영, 서동기 (2018). 인식론적 프레임 학습을 위한 컴퓨터 기반 교육프로그램 프로토타입 개발: 학습 분석 중심으로, 한국융합학회, 9(3), 23-29.
- Seo, D. G., & Jung, S. (2018). A comparison of three empirical reliability estimates for computerized adaptive testing(CAT) using a medical licensing examination. *Frontiers in Psychology*, 9.
- Park, Y., Seo, D. G., Moore, E.J., & Kim, B. (2018). What contributes to low achievement of middle school students: Evidence from multigroup structural equation modeling. *Journal of Educational Research*, 111(4), 404-416.
- Seo, D. G., Choi, Y., & Huh, S. (2018). Usefulness of DETECT program to assess internal structure of dimensionality in simulated data and results of Korean Nursing Licensing Examination. *Journal of Educational Evaluation Health Profession*. 14.
- 최윤영, 서동기, 정선호 (2018). 컴퓨터기반 교육시스템의 인식론적 프레임 학습을 위한 이론모형 구축과 평가도구 개발, 한국콘텐츠학회, 18(3), 354-360.
- 김종남, 이순목, 최승원, 채정민, 서동기, 최윤경, 조철현 (2017). 한국형 역기능 우울 척도의 문항개발 및 문항분석, 한국심리학회지: 건강, 22(4), 849-882.
- 서동기, 정선호 (2017). 모형명세화 오류와 소표본에서 구조방정식모형 모수 추정방법들 비교: 모수추정 정확도와 이론모형 검정력을 중심으로. 한국데이터 정보과학지, 28(5), 1153-1165.
- 조용래, 서동기 (2017). 수용과 행동 결문지 제2판(AAQ II)에 대한 요인분석과 다분문항이론의 적용: 지역 사회 노인표본을 대상으로. 한국임상심리학회, 36(3), 402-417.
- Seo, D. G. (2017). Overview and current management of computerized adaptive testing in licensing/certification examinations. *Journal of Educational Evaluation Health Profession*, 14.
- Seo, D. G., Park, Y., Kim, M., & Park J. (2016). Mobile phone dependency and its impacts on adolescents' social and academic behaviors. *Computers in Human Behavior*, Volume 63, 282 - 292.
- Park, Y., Seo, D. G., Park, J., Bettini, E., & Smith, J. (2016). Predictors of job satisfaction among individuals with disabilities: An analysis of South Korea's National Survey of employment for the disabled. *Research in Developmental Disabilities*, Volumes 53 - 54, 198 - 212.
- Seo, D. G., & Hao, S. (2016). Scale comparability between nonaccommodated and accommodated Forms of a statewide high school assessment: Using lz person fit. *Journal of Psychoeducational Assessment*, 34(3), 230-243.
- 정선호, 서동기 (2016). 회귀분석을 이용한 매개된 조절효과와 조절된 매개효과 검증 방법. 한국심리학회지: 일반, 35(1), 257-282.
- Seo, D. G. & Weiss, D. (2015). Best design for multidimensional computerized adaptive testing with the bifactor model. *Educational and Psychological Measurement*, 75(6), 954-978.
- 서동기, 김좌근, 김경태 (2015). Characteristics of item parameter estimation for the multidimensional item response theory (MIRT). 한국심리학회지: 일반 34(2), 619-640.
- Seo, D. G., & DeJong, G. (2015). Comparability of online and paper based tests in a statewide assessment program using propensity score matching. *Journal of Educational Computing Research*, 52(1), 88-113.
- Wyse, Adam E., & Seo, Dong Gi (2014). A comparison of three conditional growth percentile methods: Student growth percentile, percentile rank residuals, and a matching method. *Practical Assessment, Research & Evaluation*, 19(15).
- Seo, D. G., & Weiss, D. (2013). lz Person fit index to identify misfit students with achievement test data. *Educational and Psychological Measurement*. 73(6), 994-1016.