

MIKYUNG SHIN

EDUCATION

2013.08
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2009.08

● PhD, Special Education, Learning Disabilities and Behavior Disorders

The University of Texas at Austin, Austin, TX

- **Dissertation:** Effects of a web-based strategic, interactive computer application (Fun Fraction) on the performance of middle school students with learning disabilities in solving word problems with fractions and multiplication. <https://mshin77.net/Shin.2013.pdf>

2009.05
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2007.08

● MA, Special Education, Learning Disabilities and Behavior Disorders

The University of Texas at Austin, Austin, TX

- **Thesis:** The interactive behaviors and perceptions of Korean English language learners in collaborative strategic reading. <https://mshin77.net/Shin.2009.pdf>

2006.02
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2000.03

● BA, Special Education & English Language and Literature

Ewha Womans University, Seoul, Republic of Korea

- **Thesis:** Changes in Macbeth's personality and how external factors affect him. <https://mshin77.net/Shin.2006.pdf>

PROFESSIONAL EXPERIENCE

Current
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2019.08

● Assistant Professor (Department of Education)

West Texas A&M University, Canyon, TX
B.S. Education, EC-12 Special Education Certification & Mathematics/Science (Grades 4-8)

- STEM Teaching and Learning (EDEL 4381-01/70), fall 2023, spring 2024
- Special Education Methods (EDSP 4369-70), spring 2022, 2023, 2024
- Individual Assessment Techniques (EDSP 4355-70), fall 2021, 2022
- Foundations of Special Education (EDSP 4351-70), spring 2021, 2022
- PACE Special Education (EDUC-5002-X70), spring, summer, & fall 2021, 2022, 2023, 2024
- Teaching Individuals with High Incidence Disabilities (EDSP 4354-70), fall 2020, 2021, 2022, 2023
- Children with Special Needs (EPSY 3350-70/71), spring, summer, & fall 2020, 2021
- Educational Programming for Adolescents with Disabilities (EDSP 4357-01), spring 2020, 2021
- Exceptionality in Children (EDSP 4351-70), spring 2020
- Learning and Behavior Disorders (EDSP 4354-01), fall 2019
- Teaching Individuals with Intellectual Disabilities (EDSP 4352-70), fall 2019

CONTACT

West Texas A&M University
Terry B. Rogers College of
Education and Social Sciences
Harrington Academic Hall, 332C

-  <https://mshin77.net>
-  twitter.com/mshin_77
-  [mikyung-shin-47951b67](https://in.mikyung-shin-47951b67)
-  github.com/mshin77
-  mikyung.shin@wtamu.edu

STATISTICAL AND COMPUTING SKILLS

Statistical Analysis: Single-case design, visual analysis, meta-analysis, multilevel model, generalized linear model

Machine Learning: Natural language processing, text mining, deep learning, network analysis, large language models

Statistical Software+: SAS, Mplus, Stata, SPSS

Programming Language+: R, R Shiny, Python, Markdown, HTML, CSS, JavaScript

Computing Platform+: Posit, Quarto, Visual Studio Code, Jupyter Notebook

Web Deployment & Management: Amazon Web Services, DigitalOcean, Docker, GitHub, Netlify, Cascade, WordPress

Made with [pagedown](#) and [datadrivencv](#) R packages.

Last updated on 2024-04-03

Current
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2019.08

● **Assistant Professor (Department of Education)**

West Texas A&M University, Canyon, TX

M.Ed. Educational Diagnostician & Leadership of Curriculum and Instruction (Special Education)

- Assessment, Intervention, and Differentiation (EDRD/EDSP/EDEC/EDPD-6341-70), fall 2021, 2022, 2023
- Instructional Programming for Students: Low Incidence Disabilities (EDSP 6352-70), fall 2021
- Consultation and Collaboration, Exceptional Children (EDSP 6356-70), spring 2021, 2022, 2023, 2024
- Instructional Programming for Students: High Incidence Disabilities (EDSP 6354-70), fall 2020, summer 2021, 2022, 2023
- Instructional Programming for Students with Intellectual Disabilities (EDSP 6352-70), summer 2020
- Advanced Remediation Techniques (EDSP 6356-70), spring 2020
- Assistive Technology (EDSP 6360-70), fall 2019
- Theories of Learning Disabilities and Emotional/Behavioral Disorders (EDSP 6354-70), fall 2019

2019.08
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2016.08

● **Assistant Professor (Department of Secondary Special Education & Graduate School of Childhood and Special Education)**

Jeonju University, Jeonju, Republic of Korea

B.A. Secondary Special Education Certification & M.Ed. and Ed.D in Special Education

- Teaching and Learning for Children with Learning Disabilities (12869-01), fall
- Special Education Administration (14379-01), fall
- Practicum of Behavior Modification of Children with Disabilities (13093-01), fall
- Supports for Families of People with Disabilities (14606-01), fall
- Health Data Management (15564-01), fall
- Teaching and Learning for Children with Intellectual Disabilities (12870-01), spring
- Policy for Special Education (14483-01), spring
- Education and Communication (15402-03), spring
- Smart Life (13692-03), fall & spring
- Understanding for People with Disabilities (14873-01), fall & spring
- Seminar in Special Education (BN1101-01)

2016.08
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2016.03

● **Lecturer (Department of Junior Secondary School Special Education)**

Kangnam University, Yongin, Republic of Korea

- Education for Students with Learning Disability (DC04203-00)

2016.08
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2016.03

● **Lecturer (Graduate School of Education)**

Seoul National University of Education, Seoul, Republic of Korea

- Instructional-Academic Strategies for Children with Special Needs (003709-1)

2016.09
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2016.01

● **Lecturer (Graduate School of Education)**

Gyeongin National University of Education, Incheon, Republic of Korea

- Education for Students with Learning Disability and Learning Difficulty (103-127)

2016.01

● **Lecturer (Graduate School of Education)**

Korea National University of Education, Cheongju, Republic of Korea

- Special Education Technology (30118507)

- 2016.08
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2016.03

● **Invited Professor (Department of Special Education & Graduate School of Education)**
Ewha Womans University, Seoul, Republic of Korea

 - Education for Students with Learning Disabilities (21850-01)
 - Introduction to Special Education (ED111-01)

- 2016.02
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2015.09

● **Lecturer (Graduate School of Education)**
Korea University, Seoul, Republic of Korea

 - Teaching Students with Learning Disabilities (EGS521-00)

- 2016.02
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2015.08

● **Lecturer (Graduate School of Education & Seoul Citizens College)**
University of Seoul, Seoul, Republic of Korea

 - Educational Method (GSE11009-01)
 - Teaching and Counseling Exceptional Children

- 2015.12
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2015.09

● **Lecturer (Graduate School of Education)**
Ewha Womans University, Seoul, Republic of Korea

 - Introduction to Special Education (ED111-01)

- 2015.12
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2015.08

● **Lecturer (Graduate School of Education)**
Konkuk University, Seoul, Republic of Korea

 - Counseling Exceptional Children (FSAD33027-01)

- 2015.06
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2013.08

● **Special Education Teacher (Mathematics)**
Stony Point High School, Round Rock ISD, Round Rock, Texas

 - Teaching Applied Math Models, Algebra II, and Advanced Quantitative Reasoning
 - Working as a special education case manager
 - Sponsoring Asian Culture Club

- 2013.08
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2010.09

● **Graduate Research Assistant**
The University of Texas at Austin, Austin, Texas
Meadows Center For Preventing Educational Risk: Mathematics Institute

 - Algebra-Readiness Mathematics Intervention for Middle-School Students: Project AIM
 - Algebra I Supplemental Instruction for Students with Learning Disabilities at the High School Level: Observations and Intervention
 - Coordinating the writing of a technical report for projects
 - Analyzing quantitative and qualitative data
 - Assisting in creating research-based mathematics lessons

- 2009.12
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2008.09

● **Student Assistant**
University of Texas Child Development Center, Austin, Texas

 - Assisting teachers in classes for toddlers
 - Assisting students as a Korean and English bilingual teacher

2007.07
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2007.04

- **Special Education Teacher**
Dasol Day Care Center, Seoul, Republic of Korea
 - Teaching toddlers in an inclusion classroom
 - Creating modified lessons and Individualized Education Program

2007.04
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2007.03

- **Special Education Teacher**
Changshin Elementary School, Seoul, Republic of Korea
 - Teaching elementary school students with disabilities at a resource room



HONOR & AWARD

2023

- **Chancellor's Academy of Teacher Educators Award**
The Texas A&M University System, TX

2022

- **Bill Piehl Professorship of Education and Social Sciences**
West Texas A&M University, Canyon, TX

2022

- **Terry B. Rogers College of Education and Social Sciences Faculty Award**
West Texas A&M University, Canyon, TX

2021

- **John and Liz Mozola Teaching Excellence Award**
West Texas A&M University, Canyon, TX

2019

- **Outstanding Research Faculty Award**
Jeonju University, Jeonju, Republic of Korea

2018

- **Outstanding Research Faculty Award**
Jeonju University, Jeonju, Republic of Korea

2010

- **Joe R. & Teresa Lozano Long Graduate Fellowship**
The University of Texas at Austin, Austin, TX

2009

- **I.F. Riggs Memorial Endowed Presidential Scholarship**
The University of Texas at Austin, Austin, TX

2007

- **Texas Alumni Scholarship**
The University of Texas at Austin, Austin, TX

2002

- **Ewha Scholarship**
Ewha Womans University, Seoul, Republic of Korea



RESEARCH GRANT: PENDING SUPPORT

2026
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2024

- **Principal Investigator**
National Science Foundation: Effects of technology use in mathematics interventions for students with or at risk for learning disabilities: Multilevel meta-analysis aided by artificial intelligence
\$600,000



RESEARCH GRANT: EXTERNALLY FUNDED

2024
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2021

● **Co-Principal Investigator**

Office of Naval Research, U.S. Department of Defense: PERFECT–Providing environment and resources for STEM 9th-12th graders in effective cybersecurity training, \$598,841

2024
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2023

● **Co-Principal Investigator**

Korea Learning Disabilities Association: Development directions for future special education and education for students with learning disabilities, \$1,150

2018

● **Co-Principal Investigator**

National Institute of Special Education/Ministry of Education: Teaching and learning materials for students with disabilities in grades 3 and 4 in inclusive setting, \$265,903

2018
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2016

● **Principal Investigator**

National Research Foundation of Korea/Ministry of Education: Effects of explicit mathematics instruction with the use of virtual manipulatives on learning fraction concepts and skills of students with disabilities, \$37,466

2017

● **Consultant**

National Institute of Special Education/Ministry of Education: Teaching and learning materials for students with disabilities in grades 1 and 2 in inclusive setting, \$265,903

2017
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2015

● **Co-Principal Investigator**

National Research Foundation of Korea/Ministry of Education: Reading intervention for the students with disabilities based on hybrid application with Korean AAC symbols, \$129,829

2016

● **Co-Principal Investigator**

Lifelong Education Center for Individuals with Disabilities in Gunsan: Analysis of the status of lifelong education for individuals with disabilities in Jeollabuk-do and its policy direction, \$8,922



RESEARCH GRANT: INTERNALLY FUNDED

2024

● **Co-Principal Investigator**

Richard and Mary West Traylor Research Grant, Center for Learning Disabilities: Lived experience of parents of children with specific learning disabilities, \$2,500

2020
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2019

● **Principal Investigator**

Killgore Faculty Research Grant, West Texas A&M University: Using virtual manipulatives to teach fractions to students with learning disabilities, \$2,991

2019

● **Principal Investigator**

Jeonju University Research Grant: An analysis on the associations of school-aged learners' working memory and mathematical abilities, \$2,009

- 2018 ● **Principal Investigator**
Jeonju University Research Grant: Intensive mathematics instruction with the use of visual representations and virtual manipulatives for students with mild disabilities in the inclusive classroom, \$9,105
- 2018 ● **Principal Investigator**
Jeonju University Research Grant: A study on graphic data extraction for the meta-analysis of single-case designs, \$518
- 2018
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2016 ● **Principal Investigator**
Jeonju University Research Grant: Special education trends and issues: Technology-based mathematics instruction, \$7,756
- 2017 ● **Principal Investigator**
Jeonju University Research Grant: A meta-analysis of the effects of mathematics interventions on the word problem-solving performance of students with learning disabilities, \$3,308
- 2017 ● **Principal Investigator**
Jeonju University Research Grant: High school students' awareness on learning disabilities and universal design for learning, \$4,562



PUBLICATION: PEER-REVIEWED ARTICLE

- in press ● **Shin, M., Hart, S., & Simmons, M.**
Meta-analysis of single-case design research: Application of multilevel modeling. *School Psychology*. [Data set and code](#)
- 2023 ● **Kang, E., Park, H., & Shin, M.**
Analysis of perceptions for the development of future education policies for students with learning disabilities in accordance with recent changes in the education field. *The Korea Journal of Learning Disabilities*, 20(3), 111-138. [Read more](#) | [Data set and code](#)
- 2023 ● **Park, J., Bryant, D. P., & Shin, M.**
Effects of a synchronous online fraction intervention using virtual manipulatives for students with learning disabilities. *Journal of Special Education Technology*. Advance online publication.
- 2023 ● **Kim, W., Yoo, Y., & Shin, M.**
Comparative analysis of inferencing in low-reading and average-reading comprehenders: Utilizing the think-aloud protocol. *Communication Sciences & Disorders*, 28(3):480-491. [Read more](#)
- 2023 ● **Shin, M., Ok, M. W., Choo, S., Hossain, G., Bryant, D. P., & Kang, E.**
A content analysis of research on technology use for teaching mathematics to students with disabilities: Word networks and topic modeling. *International Journal of STEM Education*, 10 (Article 23). [Data set and code](#)
- 2023 ● **Kim, S. A., Bryant, P. D., Bryant, B., Shin, M., & Ok, M. W.**
A multilevel meta-analysis of whole number computation interventions for students with learning disabilities. *Remedial and Special Education*, 44(4), 332-347. [Data set and code](#)

- 2023 ● **Shin, M.**, Simmons, M., Meador, A., Goode, F. J., Deal, A., & Jackson, T.
Mathematics instruction for students with learning disabilities: Applied examples using virtual manipulatives. *Intervention in School and Clinic*, 58(3) 198-204.
- 2023 ● Lee, O., & **Shin, M.**
Universal Design for Learning in adapted national-level digital mathematics textbooks for elementary school students with disabilities. *Exceptionality*, 31(1), 36-51.
- 2022 ● Kang, J., & **Shin, M.**
Special education in South Korea: Policies and issues. *Journal of Special Education Preparation*, 2(2), 70-78.
- 2022 ● Denton, K., Coneway, B., Simmons, M., Behl, M., & **Shin, M.**
Parents' voices matter: A mixed-method study on the dyslexia diagnosis process. *Psychology in the Schools*, 59(11), 2267-2286. [Code](#)
- 2022 ● **Shin, M.**, & Choi, N.
The invisible population of students with learning disabilities in South Korea. *Intervention in School and Clinic*, 57(3), 194-197.
- 2022 ● Park, J., Bryant, D. P., & **Shin, M.**
Effects of interventions using virtual manipulatives for students with learning disabilities: A synthesis of single-case research. *Journal of Learning Disabilities*, 55(4), 325-337.
- 2021 ● **Shin, M.**, Bryant, D. P., Powell, S. R., Jung, P.-G., Ok, M. W., & Hou, F.
A meta-analysis of single-case research on word-problem instruction for students with learning disabilities. *Remedial and Special Education*, 42(6), 398-411. [Data set and code](#)
- 2021 ● **Shin, M.**, Park, J., Grimes, R., & Bryant, D. P.
Effects of using virtual manipulatives for students with disabilities: Three-level multilevel modeling for single-case data. *Exceptional Children*, 87(4), 418-437. [Data set and code](#)
- 2021 ● **Shin, M.**, Kang, E., & Lee, O.
High school students' perceptions of mathematics teachers' implementation of UDL-based practices and technology in mathematics classes. *International Journal of Contents*, 17(2), 9-19. [Read more](#)
- 2021 ● Peltier, C., Morano, S., **Shin, M.**, Stevenson, N. A., & McKenna, J. W.
A decade review of single-case graph construction in the field of learning disabilities. *Learning Disabilities Research & Practice*, 36(2), 121-135.
- 2021 ● Garwood, J. D, McKenna, J., Roberts, G., Ciullo, S., **Shin, M.**
Social studies content knowledge interventions for students with emotional and behavioral disorders: A meta-analysis. *Behavior Modification*, 45(1), 147-176.
- 2021 ● Simmons, M., **Shin, M.**, & Sharp, L.
Special education eligibility identification rates in Texas: A comparative analysis of rural and urban school districts. *Texas Education Review*, 9(1), 6-21.

- 2020 ● Park, E.-Y., & Shin, M.
A meta-analysis of special education teachers' burnout. *Sage Open*, 10(2), 1–18.
- 2020 ● Lee, J., Bryant, D. P., Ok, M. W., & Shin, M.
A systematic review of interventions for algebraic concepts and skills of secondary students with learning disabilities. *Learning Disabilities Research & Practice*, 35(2), 89–99.
- 2020 ● Shin, M., & Lee, O.
An analysis of high school Korean language instruction regarding Universal Design for Learning: Social big data analysis and survey analysis. *Journal of the Korea Academia-Industrial Cooperation Society*, 27(1), 1–12. [Read more](#)
- 2020 ● Lee, O., & Shin, M.
Adapting national-level textbooks for students with disabilities in South Korea. *Intervention in School and Clinic*, 55(4), 257–263.
- 2019 ● Shin, M., & Kim, W.
A meta-analysis of the associations of mathematical word problem solving and working memory. *Korean Journal of Special Education*, 54(1), 61–89. [Read more](#)
- 2019 ● Shin, M., Ok, M. W., Kang, E. Y., & Bryant, D. P.
Korean elementary school teachers' implementation of mathematics instruction for students struggling to learn mathematics in inclusive settings. *Journal of Research in Special Educational Needs*, 19(2), 145–157.
- 2019 ● Kang, E., & Shin, M.
The contributions of reading fluency and decoding to reading comprehension for struggling readers in the fourth grade. *Reading & Writing Quarterly*, 35(3), 179–192.
- 2019 ● Lee, O., & Shin, M.
A national online survey of South Korean high school students' understanding of learning disabilities. *Learning Disability Quarterly*, 42(1), 46–59.
- 2019 ● McKenna, J., Shin, M., Solis, M., Mize, M., & Pfannenstiel, K.
Effects of single-case reading interventions for students with and at-risk of emotional and behavioral disorders in grades K-12: A quantitative synthesis. *Psychology in the Schools*, 56(4), 608–629.
- 2019 ● Chae, S., Park, E.-Y., & Shin, M.
School-based interventions for improving disability awareness and attitudes towards disability of students without disabilities: A meta-analysis. *International Journal of Disability, Development and Education*, 66(4), 343–361.
- 2019 ● Garwood, J. D., Werts, M. G., Mason, L. H., Harris, B., Austin, M. B., Ciullo, S., Magner, K. M., Koppenhaver, D. A., & Shin, M.
Improving persuasive science writing for secondary students with emotional and behavioral disorders educated in residential treatment facilities. *Behavioral Disorders*, 44(4), 227–240.

- 2018 ● **Shin, M., Chae, S., & Jung, P.-G.**
The effects of strategy instruction for improving the ability to solve word problems among students with learning disabilities: A meta-analysis of single-case design research. *The Korea Journal of Learning Disabilities*, 15(3), 203–230. [Read more](#)
- 2018 ● Kim, W., **Shin, M.**, & Yoo, Y.
The differences between eye movements of low and average achievers in visual search for map reading. *Asian Journal of Education*, 19(4), 1021–1048. [Read more](#)
- 2018 ● Kang, E., & **Shin, M.**
The effects of teacher preparation programs with project-based learning for strengthening preservice special education teachers' practical teaching abilities. *The Journal of the Korea Contents Association*, 18(12), 547–557. [Read more](#)
- 2018 ● **Shin, M.**, & Chae, S.
Comparing the effects of the use of virtual manipulatives and visual representations to improve the fraction concepts of students with mild intellectual disabilities. *Special Education Research*, 17(4), 187–216. [Read more](#)
- 2018 ● Lee, H., **Shin, M.**, & Choi, N.
A comparison of perceptions regarding the significance on Universal Design for Learning between preservice secondary general and special Education teachers. *The Journal of Inclusive Education*, 13(2), 73–93. [Read more](#)
- 2018 ● **Shin, M.**, & Jung, P.
Reliability, validity, and usability of a graph extraction computer program for the meta-analysis of single-case studies. *Special Education Research*, 17(3), 185–207. [Read more](#)
- 2018 ● **Shin, M.**, & Choi, N.
How Korean English language learners learn reading and mathematics in English: Policy considerations for at-risk students. *Asia-Pacific Journal of Intellectual Disabilities*, 5(1), 56–68. [Read more](#)
- 2018 ● Bae, B., Lee, O., & **Shin, M.**
A synthesis on the effects of app-based smart learning for students with disabilities: Focusing on single-case research designs. *The Journal of Special Children Education*, 20(2), 83–115. [Read more](#)
- 2018 ● **Shin, M.**
Developing a “Fun Fraction” website of virtual manipulatives and the effects of explicit and systematic instruction with the virtual-representational-abstract instructional sequence for elementary school students with mathematics difficulties. *The Korea Journal of Learning Disabilities*, 15(1), 57–91. [Read more](#)
- 2018 ● Park, E.-Y., **Shin, M.**, & Chae, S.
A meta-analysis of single-case research designs on individualized positive behavior supports. *Journal of Behavior Analysis and Support*, 5(1), 27–48. [Read more](#)

- 2018 ● **Shin, M.,** Park, E., Hong, K.-H., Lee, J., & Park, H.
A usability testing of a hybrid mobile reading game for children with reading disabilities. *The Journal of the Korea Contents Association*, 18(1), 314–326. [Read more](#)
- 2017 ● **Choi, N., & Shin, M.**
School supervisors in South Korea's special education support centers: Legal duties and preparation for their supervisory responsibilities. *International Journal of Special Education*, 32(4), 784–792.
- 2017 ● **Choi, N., Shin, M., & Cho, E.**
Policies and issues surrounding the identification of students with learning disabilities in South Korea. *International Journal of Special Education*, 32(2), 439–457.
- 2017 ● **Shin, M.**
An analysis of mobile virtual manipulatives apps for the teaching of elementary school mathematics. *Journal of Korea Multimedia Society*, 20(6), 935–949. [Read more](#)
- 2017 ● **Shin, M., & Bryant, D. P.**
Improving the fraction word problem solving of students with mathematics learning disabilities: Interactive computer application. *Remedial and Special Education*, 38(2), 76–86.
- 2017 ● **Shin, M., & Lee, H.**
Mediating effects for the creativity development of elementary school students with mathematics difficulties, reading difficulties, reading and mathematics difficulties, and no learning difficulties: A latent growth curve analysis. *The Korea Journal of Learning Disabilities*, 14(1), 123–148. [Read more](#)
- 2017 ● **Shin, M.,** Bryant, D. P., Bryant, B. R., Mckenna, J. W., Hou, F., & Ok, M.
Virtual manipulatives: Tools for teaching fractions to students with learning disabilities. *Intervention in School and Clinic*, 52(3), 148–153.
- 2017 ● **Chae, S., Park, E.-Y., & Shin, M.**
Needs analysis of lifelong education support and planning for people with disabilities in Jeollabukdo: A comparison by disability onset. *The Journal of Inclusive Education*, 12(1), 163–187. [Read more](#)
- 2017 ● **Dougherty, B., Bryant, D. P., Bryant, B. R., & Shin, M.**
Helping students with mathematics difficulties understand ratios and proportions. *TEACHING Exceptional Children*, 49(2), 96–105.
- 2017 ● **Lee, Y., Park, E., Kim, Y.-T., & Shin, M.**
An analysis of special school and special class teachers' reading instruction for students with disabilities. *The Journal of Special Children Education*, 19(1), 27–52. [Read more](#)
- 2017 ● **Mckenna, J. W., Kim, M. K., Shin, M., & Pfannenstiel, K.**
An evaluation of single-case reading intervention study quality for students with and at risk for emotional and behavioral disorders. *Behavior Modification*, 41(6), 868–906.
- 2016 ● **Shin, M.,** Kang, E. Y., & Ok, M. W.
A survey of elementary school general education teachers' beliefs on inclusive education and mathematics instructional practices for students with disabilities and learning difficulties. *Special Education Research*, 15(4), 33–60. [Read more](#)

- 2016 ● **Shin, M.**, Lee, H., & Mckenna, J. W.
Special education and general education preservice teachers' co-teaching experiences: A comparative synthesis of qualitative research. *International Journal of Inclusive Education*, 20(1), 91–107.
- 2016 ● **Shin, M.**, Park, E., Kim, Y. T., & Kang, J. K.
Reading interventions for improving phonological awareness and word recognition of students with disabilities: A meta-analysis of single-subject research designs *The Journal of Special Children Education*, 18(2), 45–75. [Read more](#)
- 2015 ● **Shin, M.**, & Bryant, D. P.
Fraction interventions for students struggling to learn mathematics: A research synthesis. *Remedial and Special Education*, 36(6), 374–387.
- 2015 ● **Shin, M.**, & Bryant, D. P.
A synthesis of mathematical and cognitive performances of students with mathematics learning disabilities. *Journal of Learning Disabilities*, 48(1), 96–112.
- 2015 ● **Shin, M.**, & Kim, W.
Cognitive performance of students with learning disabilities: A meta-analysis of the literature. *Special Education Research*, 14(3), 217–239. [Read more](#)
- 2015 ● Mckenna, J. W., **Shin, M.**, & Ciullo, S. P.
Evaluating reading and mathematics instruction for students with learning disabilities: A synthesis of observation research. *Learning Disability Quarterly*, 38(4), 195–207.
- 2012 ● **Shin, M.**, & Sorrells, A.
How first grade Korean English language learners respond to scientifically validated instruction in reading comprehension. *Journal of Bilingual Education Research & Instruction*, 14(1), 7–27. [Read more](#)



PUBLICATION: BOOK & BOOK CHAPTER

- 2021 ● Bryant, D. P., Bryant, B. R., & **Shin, M.**
Mathematics interventions. In D. P. Bryant (Ed.), *Intensifying mathematics interventions for struggling students* (pp. 1–18). Guilford.
- 2021 ● Ok, M. W., **Shin, M.**, Bryant, B. R., & Bryant, D. P.
Use of technology for intensifying mathematics intervention. In D. P. Bryant (Ed.), *Intensifying mathematics interventions for struggling students* (pp. 183–202). Guilford.
- 2018 ● Lee, O., **Shin, M.**, Kwak, J., Bae, B., Park, H., Yoo, M., & Jung, S.
Teaching and learning materials for inclusive education of students with disabilities: Grade 3 mathematics. National Institute of Special Education.
- 2018 ● Lee, O., **Shin, M.**, Kwak, J., Bae, B., Park, H., Yoo, M., & Jung, S.
Teaching and learning materials for inclusive education of students with disabilities: Grade 4 mathematics. National Institute of Special Education.

- 2018 ● Lee, O., **Shin, M.**, Ko, J., Kim, G., Kim, J., Seol, J., & So, S.
Teaching and learning materials for inclusive education of students with disabilities: Grade 3 Korean. National Institute of Special Education.
- 2018 ● Lee, O., **Shin, M.**, Ko, J., Kim, G., Kim, J., Seol, J., & So, S.
Teaching and learning materials for inclusive education of students with disabilities: Grade 4 Korean. National Institute of Special Education.
- 2018 ● Lee, O., **Shin, M.**, Kim, H., Kim, H., Sin, S., Yoon, J., & Seon, H.
Teaching and learning materials for inclusive education of students with disabilities: Grade 3 science. National Institute of Special Education.
- 2018 ● Lee, O., **Shin, M.**, Kim, H., Kim, H., Sin, S., Yoon, J., & Seon, H.
Teaching and learning materials for inclusive education of students with disabilities: Grade 4 science. National Institute of Special Education.
- 2018 ● Lee, O., **Shin, M.**, Kim, J., Moon, Y., Sim, S., Jo, G., & Ha, J.
Teaching and learning materials for inclusive education of students with disabilities: Grade 3 social studies. National Institute of Special Education.
- 2018 ● Lee, O., **Shin, M.**, Kim, J., Moon, Y., Sim, S., Jo, G., & Ha, J.
Teaching and learning materials for inclusive education of students with disabilities: Grade 4 social studies. National Institute of Special Education.
- 2017 ● Lee, O., **Shin, M.**, Sim, S., Shin, S., Yoon, J., Moon, Y., . . . Kim, H.
Teaching and learning materials for inclusive education of students with disabilities: Grade 1-1 integrated subject. National Institute of Special Education.
- 2017 ● Lee, O., **Shin, M.**, Sim, S., Shin, S., Yoon, J., Moon, Y., . . . Kim, H.
Teaching and learning materials for inclusive education of students with disabilities: Grade 1-2 integrated subject. National Institute of Special Education.
- 2017 ● Lee, O., **Shin, M.**, Sim, S., Shin, S., Yoon, J., Moon, Y., . . . Kim, H.
Teaching and learning materials for inclusive education of students with disabilities: Grade 2-1 integrated subject. National Institute of Special Education.
- 2017 ● Lee, O., **Shin, M.**, Sim, S., Shin, S., Yoon, J., Moon, Y., . . . Kim, H.
Teaching and learning materials for inclusive education of students with disabilities: Grade 2-2 integrated subject. National Institute of Special Education.
- 2017 ● Lee, O., Yoo, J., **Shin, M.**, Kim, W., Baek, S., Lee, H., . . . Lee, J.
Teaching and learning materials for inclusive education of students with disabilities: Grade 1 mathematics. National Institute of Special Education.
- 2017 ● Lee, O., Yoo, J., **Shin, M.**, Kim, W., Baek, S., Lee, H., . . . Lee, J.
Teaching and learning materials for inclusive education of students with disabilities: Grade 2 mathematics. National Institute of Special Education.

- 2017 ● Lee, O., Park, K., **Shin, M.**, Kim, J., Kim, M., Shin, S., . . . Park, S.
Teaching and learning materials for inclusive education of students with disabilities: Grade 1 Korean. National Institute of Special Education.
- 2017 ● Lee, O., Park, K., **Shin, M.**, Kim, J., Kim, M., Shin, S., . . . Park, S.
Teaching and learning materials for inclusive education of students with disabilities: Grade 2 Korean. National Institute of Special Education.
- 2015 ● Bryant, D. P., Bryant, B. R., **Shin, M.**, Pfannenstiel, K. H.
Learning disabilities: Mathematics characteristics and instructional exemplars. In S. Chinn (Ed.), *The Routledge international handbook of dyscalculia and mathematical learning difficulties* (pp. 243-255). Routledge.
- 2014 ● Bryant, D. P., Pfannenstiel, K. H., Bryant, B. R., Hunt, J., & **Shin, M.**
Selecting and tailoring interventions for students with mathematics difficulties. In J. T. Mascolo, V. C. Alfonso, & D. P. Flanagan (Eds.), *Essentials of planning, selecting, and tailoring interventions for unique learners* (pp. 178–203). Wiley.
- 2013 ● Bryant, D. P., Bryant, B. R., Williams, J. L., Kim, S. A., & **Shin, M.**
Instructional practices for improving student outcomes in solving arithmetic combinations. In B. G. Cook & M. Tankersley (Eds.), *Research-based practices in special education* (pp. 61–72). Pearson.
- 2013 ● Bryant, D. P., Bryant, B. R., Williams, J. L., Kim, S. A., & **Shin, M.**
Instructional practices for improving student outcomes in solving arithmetic combinations. In D. J. Chard, B. G. Cook, & M. Tankersley (Eds.), *Research-based strategies for improving outcomes in academics* (pp.58–69). Pearson.



PUBLICATION: NON-PEER REVIEWED REPORT, DATA & SOFTWARE

- 2024 ● **Shin, M.**
Mathematics application usability scale [Web application]. <https://mkshin.shinyapps.io/MA-US>
- 2024 ● **Shin, M.**
Fun Fraction: Let's learn how to multiply and divide fractions [Website]. <https://en-funfraction.net>
- 2023 ● **Shin, M.**
Fun Fraction: Let's learn how to multiply fractions [Website]. <https://funfraction.org>
- 2023 ● **Shin, M.**
재미난 분수 [Website]. <https://funfraction.net>
- 2023 ● **Shin, M.**
TextAnalysisR: Text mining workflow tools (R package version 0.0.1) [Computer software]. <https://mshin77.github.io/TextAnalysisR>
- 2023 ● **Shin, M.**
TextAnalysisR: Analyze text data [Web application]. <https://www.textanalysisr.org>

- 2023 ● **Shin, M.**
PubMLP: Automatic publication classifier [Data set & Python codes]. Hugging Face Model Hub. <https://huggingface.co/mshin/PubMLP>
- 2023 ● **Shin, M.**
Chatboseok: Generative artificial intelligence app [Web app]. <https://chatboseok.pages.dev>
- 2016 ● Park, E., Chae, S., & **Shin, M.**
Analysis of the status of lifelong education for individuals with disabilities in Jeollabuk-do and its policy direction. Gunsan, Republic of Korea: Lifelong Education Center for Individuals with Disabilities in Gunsan.
- 2015 ● **Shin, M.**
Family support in the U.S. *Web Magazine for Practical Special Education*, 22. <http://www.nise.go.kr/jsp/field/2015-2/09.jsp>
- 2015 ● **Shin, M.**
The use of smartphone in the U.S. classroom. *Web Magazine for Practical Special Education*, 22. <http://www.nise.go.kr/jsp/field/2015-1/09.jsp>
- 2012 ● Bryant, D. P, Bryant, B. R., **Shin, M.**, McKenna, J., Methuen, C. Tausiani, J., & Kim, M.
Technical report for the Algebra I, English I, and behavior. Texas Education Agency/University of Texas System.
- 2011 ● Bryant, D. P, Bryant, B. R., Langley, J., Flower, A., Hou, V., McKenna, J., Muething, C., **Shin, M.**, & Tausiani, J.
Secondary special education observation and intervention study. Technical report. Texas Education Agency/University of Texas System.



PROFESSIONAL CONFERENCE PRESENTATION

- 2024, April ● **Shin, M.**, Park, J., & Kim, S.
Technology-enhanced mathematics instruction for students with learning disabilities [Concurrent session]. Council for Exceptional Children 2024 Annual Convention. Virtual Conference.
- 2024, March ● **Shin, M.**, Park, J., & Kim, S.
Technology-enhanced mathematics instruction for students with learning disabilities [Concurrent session]. Council for Exceptional Children 2024 Annual Convention, San Antonio, Texas. [Slides](#)
- 2024, February ● **Shin, M.**
Knowledge mapping of single-case design research: An analysis with the use of large language transformer model [Poster presentation]. 32nd Annual Pacific Coast Research Conference, Coronado, CA. [Slides](#)
- 2024, February ● Kang, E., Park, H., & **Shin, M.**
Educational policy proposals for students with learning disabilities based on the direction of future education development analyzed through Delphi survey [Lecture presentation]. 2024 Korea Learning Disabilities Association Winter Academic Conference. Republic of Korea.

- 2024,
January

● Hossain, G., **Shin, M.**, & Afrose, M.
Empowering K-12 STEM educators: Enhancing cybersecurity awareness through professional development [Paper presentation]. 42nd IEEE International Conference on Consumer Electronics, Las Vegas, Nevada.
- 2023,
November

● **Shin, M.**, Hossain, G., & Afrose, M.
Uncovering opinions on cybersecurity and accessibility in metaverse [Power talk session]. 13th Global TechMining Conference, Virtual Event.
- 2023,
October

● **Shin, M.**, Park, J., & Kim, S.
Case study and meta-analysis of the use of virtual manipulatives [Roundtable session]. 45th International Conference on Learning Disabilities, Denver, Colorado.
- 2023,
October

● Simmons, M., **Shin, M.**, & Hart, S.
Dyslexia legislation trends in rural and urban schools [Roundtable session]. 45th International Conference on Learning Disabilities, Denver, Colorado.
- 2023,
August

● Kang, E., Park, H., & **Shin, M.**
Development directions for future special education and education for students with learning disabilities [Lecture presentation]. 2023 Korea Learning Disabilities Association Academic Conference. Kookmin University, Republic of Korea.
- 2023,
February

● **Shin, M.**
Exploring mathematics vocabulary terms and semantic mapping: NAEP text-to-speech items [Poster presentation]. 31st Pacific Coast Research Conference, Coronado, CA. [Poster](#)
- 2023,
February

● Kim, W., & **Shin, M.**
Comprehension processes through eye movement and think-aloud tasks [Poster presentation]. 31st Annual Pacific Coast Research Conference, Coronado, CA.
- 2022,
December

● **Shin, M.**
Longitudinal analysis for single-case experimental design meta-analyses: Using R [Lecture presentation]. Korean Society of Special Education Conference. National Institute of Special Education, Republic of Korea. [Slides](#)
- 2022,
October

● Jones, B. A., Simmons, M. L., Huskin, P. R., **Shin, M.**, & Sande, B.
Improving university programming of students with learning disabilities [Roundtable session]. 44th International Conference on Learning Disabilities, Richmond, Virginia.
- 2022,
March

● **Shin, M.**, & Hossain, G.
Development and application of user-defined dictionary objects for text mining analysis in special education technology research [Poster presentation]. 17th Annual Faculty Research Poster Session and Research Fair, West Texas A&M University, TX, United States. [Poster](#)
- 2022,
February

● **Shin, M.**
Trends in technology use for teaching mathematics to students with disabilities [Poster session]. Annual Pacific Coast Research Conference, Coronado, CA. [Poster](#)

- 2021, December ● **Shin, M.**
A single-case multilevel meta-analysis: Mathematics interventions using virtual manipulatives for students with disabilities [Lecture presentation]. Korean Society of Special Education Conference. Kongju National University, Republic of Korea. [Slides](#)
- 2021, October ● Simmons, M., & **Shin, M.**
A nationwide survey on parent perspectives of the dyslexia diagnosis process [Panel session]. 43rd International Conference on Learning Disabilities, Las Vegas, NV.
- 2021, March ● **Shin, M.**
Multilevel models for single-case data: Using virtual manipulatives for students with disabilities [Poster presentation]. 16th Annual Faculty Research Poster Session and Research Fair, West Texas A&M University, TX, United States.
- 2021, March ● Behl, M., Denton, K., Simmons, M., Coneway, B., & **Shin, M.**
Dyslexia and the school counselor [Poster presentation]. 16th Annual Faculty Research Poster Session and Research Fair, West Texas A&M University, TX, United States.
- 2021, March ● Denton, K., Simmons, M., Coneway, B., & **Shin, M.**, & Behl, M.
Parent perspectives of the dyslexia diagnosis process [Poster presentation]. 16th Annual Faculty Research Poster Session and Research Fair, West Texas A&M University, TX, United States.
- 2021, March ● **Shin, M.**, & Powell, S. R.
Different examples of word-problem instruction for students with learning disabilities [Multi-presentation]. Council for Exceptional Children Annual Convention, Baltimore, MD.
- 2021, March ● Park, J., Bryant, D. P., Satsangi, R., & **Shin, M.**
Use of virtual manipulatives for students with mathematics difficulties [Poster presentation]. Council for Exceptional Children Annual Convention, Baltimore, MD.
- 2021, February ● Cho, E., Choi, N., & **Shin, M.**
Learning disabilities in South Korea: Policies and issues on the identification of students with LD [Lecture presentation]. Learning Disabilities Association of America's 58th Annual International Conference. Virtual conference.
- 2020, October ● **Shin, M.**, Simmons, M., & Goode, F.
Virtual manipulative-based explicit instruction for students struggling with mathematics [Panel presentation]. 2020 Virtual Annual Conference, Council for Learning Disabilities.
- 2020, October ● Lee, J., Bryant, D. P., Ok, M. W., & **Shin, M.**
Algebra interventions for secondary students with learning disabilities [Roundtable session]. 2020 Virtual Annual Conference, Council for Learning Disabilities.
- 2020, March ● **Shin, M.**, Simmons, M., Goode, F., Meador, A., Deal, A., & Jackson, T.
Virtual manipulatives in mathematics interventions for students with mathematics difficulties [Poster presentation]. 15th Annual Faculty Research Poster Session and Research Fair, West Texas A&M University, TX, United States.

- 2020, February ● **Shin, M.**
Assistive technology to enhance mathematics concepts and skills for children with disabilities [Lecture presentation]. 2020 Amarillo Conference (Becoming Agents of Change), Amarillo, TX.
- 2020, February ● **Shin, M., Grimes, R., Park, J., & Bryant, D.**
Using technology to enhance mathematics instruction for students with mathematics difficulties [Panel presentation]. Council for Exceptional Children Annual Convention, Portland, OR.
- 2019, October ● **Shin, M.**
Learning disabilities in South Korea: Disability awareness, policies, and instructional Practices [Roundtable session]. 41th International Conference on Learning Disabilities, San Antonio, TX.
- 2019, June ● **Shin, M., & Kim, W.**
A meta-analysis on the associations of working memory and mathematical problem-solving: A moderator analysis by learners' disability profile [Lecture presentation]. Korean Society of Special Education Conference. Seoul, Republic of Korea.
- 2018, September ● **Shin, M.**
Understanding and application of single-case meta-analyses [Lecture presentation]. Ewha Womans University, School of Education, Annual Conference, Seoul, Republic of Korea.
- 2018, May ● **Shin, M.**
A comparative analysis of validity, reliability, and usability of graph extraction online programs for single-case research designs [Lecture presentation]. Korean Society of Special Education Conference. Changwon, Republic of Korea.
- 2017, May ● **Shin, M.**
Development and evaluation of a virtual manipulatives web for teaching mathematics to students struggling to learn mathematics [Lecture presentation]. Korean Society of Special Education Conference, Busan, Republic of Korea.
- 2017, April ● **Shin, M., Lee, H., & Choi, N.**
UDL in teacher preparation programs [Multi-presentation session]. Council for Exceptional Children Annual Convention, Boston, MA.
- 2017, January ● **Shin, M., Ok, M. K., & Kang, E. Y.**
General and special education elementary school teachers' implementation of mathematics instruction for students struggling to learn mathematics [Poster session]. Kongju National University BK21+ International Conference, Kongju, Republic of Korea.
- 2016, October ● **Shin, M., Jung, P.-G., Ok, M. W., Kang, E. Y., & Kim, M. K.**
A research synthesis from start to publication: Theory and applications [Panel session]. 38th International Conference on Learning Disabilities, San Antonio, TX.

- 2016, November ● **Shin, M., & Lee, H.**
A longitudinal analysis of the effects of interactive class, academic stress, parents' educational support on creativity development mediated by self-concept and basic academic skills of students with mathematics difficulties, reading difficulties, and reading/mathematics difficulties [Lecture presentation]. 10th KELS (Korean Education Longitudinal Study) Conference, Seoul, Republic of Korea.
- 2016, July ● **Shin, M.**
Current issues in early childhood special education: Neuroscience, shared reading, and co-teaching [Lecture presentation]. 68th OMEP World Assembly and International Conference, Seoul, Republic of Korea.
- 2016, October ● Lee, J., Bryant, D. P., Ok, M., & **Shin, M.**
Teaching algebraic concepts and skills to secondary students with learning disabilities [Poster session]. 38th International Conference on Learning Disabilities, San Antonio, TX.
- 2016, June ● **Shin, M.**
Smart learning based mathematics instruction for students with learning disabilities [Lecture presentation]. Ewha Womans University, School of Education, Annual Conference, Seoul, Republic of Korea.
- 2016, June ● Lee, J., Bryant, D. P., Ok, M., & **Shin, M.**
Effects of interventions to teach algebraic concepts and skills to secondary students with learning disabilities [Poster session]. International Academy for Research in Learning Disabilities Conference, Austin, TX, U.S.
- 2016, June ● Lee, J., Bryant, D. P., Bryant, B., **Shin, M.**, & Ok, M.
Using response to intervention model to teach mathematics to students [Poster session]. International Academy for Research in Learning Disabilities Conference, Austin, TX.
- 2016, May ● **Shin, M.**
Interactive web-based mathematics instruction for improving word problem solving of students with mathematics learning disabilities [Lecture presentation]. Korean Society of Special Education Conference, Kongju, Republic of Korea.
- 2016, April ● **Shin, M.**
Special education and general education preservice teachers' co-teaching experiences: A comparative synthesis of qualitative research [Poster session]. Council for Exceptional Children Annual Convention, St. Louis, Missouri.
- 2016, April ● McKenna, J., **Shin, M.**, & Pfannenstiel, K.
Evaluation of single-subject reading interventions for students with emotional and behavioral disorders [Poster session]. Council for Exceptional Children Annual Convention, St. Louis, Missouri.
- 2016, February ● **Shin, M.**, Bryant, D. P., & Kim, W.
The relationship between mathematical and cognitive performances of students struggling to learn mathematics: A meta-analysis [Poster session]. Pacific Coast Research Conference, Coronado, CA.

- 2015, November ● **Shin, M.**
Mathematics learning disabilities: Cognitive and mathematical characteristics [Lecture presentation]. Ewha Womans University, School of Education, Annual International Conference, Seoul, Republic of Korea.
- 2015, October ● **Shin, M., Bryant, D. P., & Kim, M. K.**
Development and application of interaction computer application to teach fraction concepts [Interactive paper session]. 37th International Conference on Learning Disabilities, Las Vegas, NV.
- 2015, April ● Bryant, D. P., Kim, M. K., Ok, M., & **Shin, M.**
Computer-mediated and teacher-mediated instruction for students with learning disabilities: Embedding technologies into interventions [Panel session]. Council for Exceptional Children Annual Convention, San Diego, CA.
- 2014, October ● **Shin, M., & Hou, F.**
A review of strategy instruction in word problem solving for struggling adolescent learners [Interactive paper session]. 36th International Conference on Learning Disabilities, Philadelphia, PA.
- 2014, February ● **Shin, M., & Bryant, D. P.**
A synthesis of mathematical and cognitive performances of students with mathematics learning disabilities [Poster session]. Pacific Coast Research Conference, Coronado, CA.
- 2013, October ● **Shin, M., & Mckenna, J., & Bryant, D. P.**
Using virtual manipulatives for specific mathematics applications [Interactive paper session]. 35th International Conference on Learning Disabilities, Austin, TX.
- 2013, October ● Mckenna, J., **Shin, M., & Ciullo, S. P.**
Instructional delivery for students with LD: Review of observation studies [Interactive paper]. 35th International Conference on Learning Disabilities, Austin, TX.
- 2013, April ● **Shin, M., & Bryant, D. P.**
A synthesis of fractions interventions for students struggling with mathematics [Poster session]. Council for Exceptional Children Annual Convention, San Antonio, TX.
- 2013, February ● **Shin, M., & Bryant, D. P.**
A review of fractions interventions for students with learning disabilities [Poster session]. 50th Annual International Conference on Learning Disabilities Association of America, Austin, TX.
- 2012, October ● **Shin, M., & Bryant, D. P.**
Mathematical and cognitive performances of students with mathematics learning disabilities [Poster session]. 34th International Conference on Learning Disabilities, Austin, TX.
- 2012, October ● Bryant, D. P., **Shin, M., & Bryant, B. R.**
Algebra I ninth-grade classes: In search of effective instructional practices for teaching students with learning disabilities in inclusive settings [Poster session]. 34rd International Conference on Learning Disabilities, Austin, TX.

- 2012, June ● Bryant, D. P., Ramirez, J. T., Tracey, J., **Shin, M.**, & Bryant, B. R.
Mathematics supplemental instruction provided to students with learning disabilities at the high school level: observations and interventions [Poster session]. Texas Council for Exceptional Children, San Antonio, TX.
- 2012, June ● Bryant, B. R., Bryant, D. P., Kim, M.-K., Ramirez, J. T., **Shin, M.**, Tracey, J., & Laidlaw-Almaguer, S.
Algebra I and English I inclusion: Effective instruction for students with learning disabilities [Poster session]. Texas Council for Exceptional Children, San Antonio, TX.
- 2012, April ● **Shin, M.**, Lee, H., & Bryant, D. P.
Preservice teachers' co-teaching: A synthesis of qualitative research [Poster session]. Council for Exceptional Children Annual Convention, Denver, CO.
- 2012, April ● Bryant, D. P., Bryant, B. R., Kim, M., Tausiani, J., & **Shin, M.**
English I and algebra I inclusion classes: A learning disabilities instructional focus [Poster session]. Council for Exceptional Children Annual Convention, Denver, CO.
- 2012, February ● Bryant, D. P., Bryant, B. R., Flower, A., Tausiani, J., Langley, J. D., McKenna, J., Muething, C., & **Shin, M.**
Findings from an observation study of ninth-grade algebra I and English I classes [Poster session]. Pacific Coast Research Conference, Coronado, CA.
- 2011, October ● **Shin, M.**, & Bryant, D. P.
Review of mathematics intervention for struggling secondary-level learners [Poster session]. 33rd International Conference on Learning Disabilities, Austin, TX.
- 2011, October ● Bryant, D. P., Tausiani, J., Bryant, B. R., & **Shin, M.**
Algebra I ninth-grade classes: In search of effective instructional practices for teaching students with learning disabilities in inclusive settings [Poster session]. 33rd International Conference on Learning Disabilities, Austin, TX.
- 2010, April ● **Shin, M.**, & Sorrells, A.
Applying Collaborative Strategic Reading to comprehension instruction of Korean English language learners [Poster session]. Council for Exceptional Children Annual Convention, Nashville, TN.



INVITED GUEST LECTURER

- 2023, Fall ● **Online Learning Andragogical Diversity Panel**
Paul and Virginia Engler College of Business, West Texas A&M University, Amarillo, Texas
- 2023, Summer ● **Metaverse and Cybersecurity: Keep Every Student Safe**
PERFECT Training, University of North Texas/West Texas A&M University [Slides](#)
- 2022, Fall ● **Parents' Voices Matter: Lessons Learned from a National Survey on the Dyslexia Diagnosis Process**
Center for Learning Disabilities, West Texas A&M University, Amarillo, Texas

- 2021, Fall

● **Exploring the Benefits of Virtual Learning for Students with Learning Differences**
Center for Learning Disabilities, West Texas A&M University, Amarillo, Texas
- 2021, Summer

● **TExES Exam Preparation Session**
Special Education TExES Prep Course, Region 16 Education Service Center, Amarillo, Texas
- 2020, Fall

● **Meta-Analysis of Single-Case Research**
Graduate School of Education, Korea National University of Education, Cheongju-si, Republic of Korea
- 2020, Spring

● **My Child is Struggling with Math! Could it be Dyscalculia?**
Center for Learning Disabilities, West Texas A&M University, Amarillo, Texas
- 2019, Fall

● **Dyscalculia: Math Learning Disability Causes, Characteristics, and Interventions**
Statewide Webinar, Partners Resource Network, Beaumont, Texas
- 2019, Spring

● **Prevention and Duty to Report Abuse of People with Disabilities**
School of Education (Lecture for Undergraduate Students), Jeonju University, Jeonju, Republic of Korea
- 2018, Fall

● **Effective Behavior Modification for Preventing Challenging Problems**
Parent Education Workshop for Families of Students with Disabilities, Myounghwa School for Students with Intellectual Disabilities, Jeonbuk, Republic of Korea
- 2018, Spring

● **Introduction to a Single-Case Meta-Analysis**
Department of Education (Graduate Seminar), Korea University, Seoul, Republic of Korea
- 2018, Spring

● **Effective Behavior Modification for Preventing Challenging Problems**
Special Education Support Center in Buan, Buan Office of Education, Jeonbuk, Republic of Korea
- 2017, Spring

● **Supporting Communication of Children With Developmental Disabilities: Focusing on Parent Education**
National Center for Disabled Children and Developmental Disabilities, Support Center for Individuals with Developmental Disabilities, Jeonbuk, Republic of Korea
- 2017, Spring

● **A Meta-Analysis with the Use of Comprehensive Meta-Analysis Version 3.0**
Department of Education (Graduate Seminar), Korea University, Seoul, Republic of Korea
- 2016, Fall

● **User Interface for Learners with Learning Difficulties**
Department of Computer and Information Communications Engineering, Hongik University, Sejong, Republic of Korea
- 2016, Summer

● **Various Assessment Methods for Learning Difficulties**
2016 Academic Year's Teacher Training Program, Incheon Bukbu Office of Education, Incheon, Republic of Korea
- 2016, Summer

● **Behavior Modification and Behavior Management**
School psychologist Certificate Training, Korean School Psychology Association, Seoul, Republic of Korea

- 2016, Summer

● **Special Education Statistics: Research and Application**
The Graduate School of Education, Yongin University, Gyeonggi, Republic of Korea
- 2016, Spring

● **My Life Story**
Department of Special Education, Ewha Womans University, Seoul, Republic of Korea
- 2016, Spring

● **Mathematics Instruction for Students with Intellectual Disabilities, Teaching Experiences in the U.S.A.**
The Graduate School of Education, Gyeongin National University of Education, Incheon, Republic of Korea
- 2015, Fall

● **Teaching Students with Learning Disabilities**
Department of Special Education, Ewha Womans University, Seoul, Republic of Korea
- 2015, Fall

● **Mathematics Instruction for Students with Learning Disabilities**
Department of Special Education, Ewha Womans University, Seoul, Republic of Korea
- 2015, Fall

● **Cause, Characteristics, and Instruction of Students with Learning Disabilities**
Children's Center for Developmental Support, Ewha Womans University, Seoul, Republic of Korea
- 2015, Spring

● **A Research Synthesis from Start to Publication**
Department of Special Education (Doctoral Seminar), The University of Texas at Austin, Austin, Texas
- 2013, Spring

● **Theoretical Framework**
Department of Special Education (Instructional Adaptations II SED 383), The University of Texas at Austin, Austin, Texas

EDITORIAL CONTRIBUTION

- **Editorial Board**
Journal of Special Education for Curriculum and Instruction, 2022–Current
Special Education Research, 2020–Current
The Korea Journal of Learning Disabilities, 2020–Current
Journal of Special Education: Theory and Practice, 2019–Current
Learning Disability Quarterly, 2016–Current
Journal of Interactive Learning Research, 2016–Current
- **Board of Directors**
Korea Education Curriculum Instruction, 2022–Current
Korea Learning Disabilities Association, 2016–Current
- **Vice President**
Innovations in Special Education Technology, 2024–Current
- **Co-Chair**
Information Communications and Technology, Council for Learning Disabilities, 2024–Current

● Reviewer for Journals

Teachers College Record, 2023–Current
International Journal of STEM Education, 2023–Current
School Science and Mathematics, 2023–Current
Journal for STEM Education Research, 2023–Current
Exceptional Children, 2019, 2023–Current
Exceptionality, 2015, 2020, 2023–Current
International Journal of Developmental Disabilities, 2023–Current
Open Education Studies, 2023–Current
Applied Sciences, 2023–Current
Cogent Education, 2023–Current
Disability and Rehabilitation: Assistive Technology, 2022–Current
Behavioral Disorders, 2022–Current
Mathematics, 2021–Current
Journal of Mathematical Behavior, 2021–Current
Review of Educational Research, 2021–Current
Education Sciences, 2021–Current
Science Progress, 2021–Current
Educational Review, 2021
The Journal of the Korea Contents Association, 2020–Current
Journal of Learning Disabilities, 2019–Current
International Journal of Inclusive Education, 2015, 2018–Current
Journal of Special Education: Theory and Practice, 2019–Current
The Journal of Special Children Education, 2017–Current
International Journal of Disability, Development and Education, 2017–Current
The Korean Journal of Learning Disabilities, 2016–Current
Learning Disability Quarterly, 2013, 2015, 2017–Current
Journal of Interactive Learning Research, 2015–Current
Learning Disabilities: A Multidisciplinary Journal, 2021
Special Education Research, 2017–2020
Journal of Educational Change, 2019
Journal of Intellectual Disabilities, 2017
Journal of Computers In Education, 2016
Remedial and Special Education, 2015



PROFESSIONAL ASSOCIATION

● Member

Innovations in Special Education Technology, 2020–Current
Institute of Electrical and Electronics Engineers, 2020–Current
International Society for Technology in Education, 2020–Current
Association for Computing Machinery, 2020–Current
The Korean Society for Educational Technology, 2020–Current
Korea Learning Disabilities Association, 2015–Current
Korean Society of Special Education, 2016–Current
Council for Learning Disabilities, 2012–Current
Council for Exceptional Children, 2009–Current
National Council of Teachers of Mathematics, 2010–Current
Learning Disabilities Association of America, 2012–Current
American Educational Research Association, 2007–Current



PROFESSIONAL SERVICE

- 2023 ● **Reviewer for Conference Proposals**
2024 Council for Exceptional Children Annual Convention, San Antonio, Texas
- 2023 ● **Concurrent Session Tech Support Volunteer**
45th International Conference on Learning Disabilities, Denver, Colorado.
- 2023 |
2022 ● **Learning Disabilities Professional Development for Teachers** Committee & Instructor,
Mathematics Assessment and Instruction: Geometry and Word Problems
Korea Learning Disabilities Association, Republic of Korea
- 2023 |
2021 ● **Texas Continuous Improvement Steering Committee**
Texas Education Agency, Austin, Texas
- 2023 |
2019 ● **Faculty Liaison and Facilitator** for Community Workshops and Dyslexia Simulation trainings
Center for Learning Disabilities, West Texas A&M University, Amarillo, Texas
- 2022 |
2020 ● **External Faculty Consultant**
Special Education Research Institute, Ewha Womans University, Seoul, Republic of Korea
- 2021 ● **Special Education Certification Session Training**
Region 16 Education Service Center, Amarillo, TX
- 2021 |
2020 ● **Dissertation Committee Member (Jiyeon Park)**
The University of Texas at Austin, Austin, TX
- 2020 ● **External Grant Reviewer**
Research and Development Office, The Education University of Hong Kong, Hong Kong
- 2019 |
2018 ● **Conference Committee**
Korea Learning Disabilities Association, Republic of Korea
- 2016 |
2014 ● **Guest Reviewer for Conference Proposals**
International Conference on Learning Disabilities, Council for Learning Disabilities
- 2013 ● **Teaching Assistant, Law and Disabilities (Undergraduate class)**
The University of Texas At Austin, Austin, Texas
- 2013 |
2012 ● **Session Monitor**
International Conference on Learning Disabilities, Austin, Texas
- 2011 |
2008 ● **Korean Bilingual Teacher**
Korean School at Austin Korean Presbyterian Church, Austin, Texas
- 2009 |
2008 ● **Chairman**
Korean Student Association for Special Education, Austin, Texas

- 2008
|
2007 ● **Homework Tutor and Assistant**, Korean ESL Class
Mathews Elementary School, Austin, Texas
- 2007 ● **Teaching Assistant**, Resource Room
Murchison Middle School, Austin, Texas
- 2005 ● **Interpreter and Assistant**
Seoul International Wheelchair Marathon, Seoul, Republic of Korea
- 2004 ● **Teaching Assistant**, Special Class
Chungdam High School, Seoul, Republic of Korea
- 2004 ● **Teaching Assistant**, Supporting Students with Emotional and Behavioral Disorders
Miral School for Students with Emotional or Behavioral Disorders, Seoul, Republic of Korea
- 2002 ● **Teaching Assistant**, Supporting Students with Intellectual Disabilities
Jungae School for Students with Intellectual Disabilities and Emotional or Behavioral Disorders,
Seoul, Republic of Korea
- 2002 ● **Teaching Assistant**, Supporting Students with Physical Disabilities
Yonsei Rehabilitation School, Seoul, Republic of Korea
- 2002 ● **Vice Chairman**
Student Council for Special Education, Seoul, Republic of Korea
- 2001 ● **Private Math Tutor**
Visually Disabled High School Student, Seoul, Republic of Korea
- 2001 ● **Teaching Assistant**, Special Class
Oryu Girls' Middle School, Seoul, Republic of Korea
- 2001 ● **Teaching Assistant**, Computers and Homepages
Nanum Study Room and Somang Day-Care Center, Seoul, Republic of Korea
- 2000 ● **Teaching Assistant**, Supporting Students with Physical Disabilities
Yonsei Rehabilitation School, Seoul, Republic of Korea
- 2000 ● **Teaching Assistant**, Supporting Students with Intellectual Disabilities
Jungae School for Students with Intellectual Disabilities and Emotional or Behavioral Disorders,
Seoul, Republic of Korea



COLLEGE/DEPARTMENT/UNIVERSITY SERVICE

Current
|
2020

● West Texas A&M University, Canyon, TX

Advisor/Mentor/Thesis Committee

- Academic advisor (Educational Diagnostician M.Ed. & Leadership in Curriculum and Instruction M.Ed. Special Education Program), 2020–2023
- Advisor & monitor for Panhandle Alternative Certification for Educators Program (Special Education), 2021–2023
- Faculty mentor for Attebury Honors Program, 2021–2022
- Advising undergraduate students in the tips on TExES study & conference, 2020–2022

Current
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2019

● West Texas A&M University, Canyon, TX

College/Department

- Undergraduate special education program chair, 2023
- Teacher educator standards committee, 2022–2023
- Panhandle Alternative Certification for Educators Program revision committee, 2022–2023
- Department of Education's scholarship committee & co-chair, 2021–2023
- Undergraduate application faculty review Committee (Educator Preparation Program), 2021–2023
- Graduate admissions committee (Educational Diagnostician M.Ed. & Leadership in Curriculum and Instruction M.Ed. Special Education Program), 2020–2023
- Special education faculty search committee, 2021
- Faculty volunteer for the University's Dia de los Muertos event, 2021–2022
- Course development and revision for Panhandle Alternative Certification for Educators Program (Special Education), 2020, 2023
- Curriculum development committee for Educational Diagnostician M.Ed. Program, 2020
- Curriculum development committee for Special Education Teacher Certification program, 2020
- Engaged in the dyslexia awareness month proclamation at City Hall, 2019–2021

Current
|
2019

● West Texas A&M University, Canyon, TX

University

- Planning committee for Distinguished Lecture Series, 2023
- Committee and faculty liaison at the Center for Learning Disabilities, 2019–2023
- Center for Learning Disabilities coordinator of research, 2020–2023
- Faculty committee at Kilgore Research Center, 2020–2023
- Student endowment scholarship committee, 2021–2023

2019
|
2016

● Jeonju University, Jeonju, Republic of Korea

Advisor/Mentor/Thesis Committee

- Mentor of first-year college students from low socioeconomic status backgrounds, 2018–2019
- Dissertation committee member (Minchul Song), 2018
- Dissertation committee member (Seonok Kim), 2017
- Thesis committee member (Geumju Han, Hyunjoo Shin), 2017
- Advisor of Startup Club, 2017
- Advisor of Study Club, 2016

2019
|
2016

● Jeonju University, Jeonju, Republic of Korea
College/Department

- Problem-based learning team coordinator, 2019
- Member of freshman commissioner, 2019
- Service-learning project team coordinator, 2018–2019

2019
|
2016

● Jeonju University, Jeonju, Republic of Korea
University

- Health EduSTAR planning and evaluation team manager, 2018
- Health EduSTAR local Community Service Team Member, 2016–2017



TRAINING

2023

● Korean Society for Educational Evaluation
Understanding and Analyzing the Process Data in PISA

2023

● Statistical Horizons, Remote, USA
Extracting, Manipulating, and Analyzing Social Media Data Materials

2023
|
2022

● Region 16 Education Service Center
Texas Instructional Leadership Training

2022

● Institute for Research on Innovation and Science, Remote, USA
Joining the Data Revolution: Big Data in Education and Social Science Research

2022

● What Works Clearinghouse, Institute of Education Sciences, Remote, USA
Single-Case Design Standards Training

2021

● NAEP Research and Development, Institute of Education Sciences, Remote, USA
2021 EdSurvey Large-Scale Data Analysis Training Series

2021

● Bigdata Learning Center, Remote, Republic of Korea
R for Text Analysis (Web Crawling)
Learning Machine Learning Algorithms and Modeling (Python)
Scraping for Data Analysis and Building My Own DB (Python)

2021

● Statistical Horizons, Remote, USA
Text as Data

2021

● West Texas A&M University, Remote, USA
Accessibility Training with Cascade Server

2021

● The Center for Integrated Latent Variable Research, Remote, USA
Modern Longitudinal Data Analysis: Mixed Effects Models Using R

2021

● ExitCertified (Tech Data), Remote, USA
Developing on AWS

- 2020 ● ExitCertified (Tech Data), Remote, USA
AWS Technical Essentials
- 2019 ● West Texas A&M University, USA
Field Supervisor Coaching Training for Advanced Certification Candidates

 **CERTIFICATION**

- Current | 2006 ● Ministry of Education and Human Resource Development, Seoul, Republic of Korea
Special Education Teacher (Elementary Education)
English Teacher (Secondary Education)
- 2020 | 2016 ● Korea Learning Disabilities Association, Seoul, Republic of Korea
First-Level Learning Disabilities (Dyslexia) Specialist

 **PRACTICUM AND STUDENT TEACHING**

- 2008 ● **Math and Reading Tutor**
Metz Elementary School, Austin, Texas
- 2008 ● **Tutor of HOSTS (Help One Student to Succeed) program**
Zavala Elementary School, Austin, Texas
- 2005 ● **English Teacher, General Education Class**
Gwangjin Middle School, Seoul, Republic of Korea
- 2004 ● **Special Education Teacher**
Miral School for Students with Emotional or Behavioral Disorders, Seoul, Republic of Korea
- 2001 ● **Violin Tutor, Supporting Students with Physical Disabilities**
Yonsei Rehabilitation School, Seoul, Republic of Korea
- 2001 ● **Teaching Assistant**
Miral School for Students with Emotional or Behavioral Disorders, Seoul, Republic of Korea