

Jehanzeb R. Cheema

Enterprise Hall 109 MS 5F4
4400 University Drive
Fairfax, VA 22030

jcheema1@gmu.edu
mason.gmu.edu/~jcheema1

EDUCATION

- M.S. Health Informatics, George Mason University, 2019
Concentration: Health Data Analytics
- Ph.D. Education, George Mason University, 2012
Concentration: Research Methodology
- Ph.D. Economics, University of Wisconsin-Milwaukee, 2006
Concentrations: Labor Economics, Development Economics
- M.A. Economics, University of Wisconsin-Milwaukee, 2003
- B.S. Business Administration, Slippery Rock University of Pennsylvania, 2002
Majors: Finance, Economics
- B.A. History and Economics, University of the Punjab, 1999
Minor: Statistics

RESEARCH INTERESTS

- Primary field: Research Methodology: Measurement, Assessment, and Evaluation
- Secondary fields: Educational Psychology, Survey Research

WORK EXPERIENCE

- 2017 – current *Instructional Associate Professor*, 2023–current
Term Assistant Professor, 2017–2022
Department of Information Systems and Operations Management, School of Business
George Mason University, Fairfax, VA
- 2015 – 2017 *Instructor*
Department of Information Systems and Decision Science, Merrick School of Business
University of Baltimore, Baltimore, MD
- 2013 – 2015 *Clinical Assistant Professor*
Bureau of Educational Research, College of Education
University of Illinois at Urbana-Champaign, Champaign, IL

PEER-REVIEWED JOURNAL ARTICLES

Note: *indicates graduate student

- Saroughi, M., & Cheema, J. (2023). Mediating effect of sense of belonging on the relationship between teacher support and science literacy: Evidence from Lebanon. *Current Psychology*, 42(18), 15277–15286. doi:10.1007/s12144-022-02803-x
- Hiller, S., Kitsantas, A., Cheema, J., & Poulou, M. (2022). Mathematics anxiety and self-efficacy as predictors of mathematics literacy. *International Journal of Mathematical Education in Science and Technology*, 53(8), 2133–2151. doi:10.1080/0020739X.2020.1868589
- Nasser, I., & Cheema, J. (2022). Religiosity as a mediator of forgiveness among educators and parents in seven Muslim communities. *Journal of Beliefs & Values*, 43(2), 186–206. doi:10.1080/13617672.2021.1930930
- Kitsantas, A., Cleary, T., Whitehead, A., & Cheema, J. (2021). Relations among classroom context, student motivation, and mathematics literacy: A social cognitive perspective. *Metacognition and Learning*, 16, 255–273. doi:10.1007/s11409-020-09249-1
- Kitsantas, P., Adams, A., Cheema, J., & Kornides, M. (2021). Opioid use in pregnant women with mental health-related disabilities. *Archives of Gynecology and Obstetrics*, 303(6), 1531–1537. doi:10.1007/s00404-020-05953-0
- Saroughi, M., & Cheema, J. (2021). Examining relationships among student perception of social support, school belonging, relatedness, and effort in Muslim majority communities. *SN Social Sciences*, 1(7). doi:10.1007/s43545-021-00200-y
- Smith, P., Warrican, S., Kumi-Yeboah, A., Cheema, J., & Alleyne, M. (2020). Disrupting (mis)representation in the literacy achievement of "(under)performing" youth. *Journal of Education and Development in the Caribbean*, 18(2), 111–165. doi:10.46425/j518021775
- Cheema, J. (2019). Cross-country gender DIF in PISA science literacy items. *European Journal of Developmental Psychology*, 16(2), 152–166. doi:10.1080/17405629.2017.1358607
- Warrican, S., Alleyne, M., Smith, P., Cheema, J., & King, J. (2019). Peer effects in the individual and group literacy achievement of high-school students in a bi-dialectal context. *Reading Psychology*, 40(2), 117–148. doi:10.1080/02702711.2019.1571545
- Cheema, J. (2018). Adolescents' enjoyment of reading as a predictor of reading achievement: New evidence from a cross-country survey. *Journal of Research in Reading*, 41(S1), S149–S162. doi:10.1111/1467-9817.12257

- Cheema, J. (2018). Effect of math-specific self-efficacy on math literacy: Evidence from a Greek survey. *Research in Education, 102*(1), 13–36. doi:10.1177/0034523717741914
- Smith, P., Cheema, J., Kumi-Yeboah, A., Warrican, S., & Alleyne, M. (2018). Language-based differences in the literacy performance of bidialectal youth. *Teachers College Record, 120*(1), 1–36. <https://www.tcrecord.org/ExecSummary.asp?contentid=21947>
- Spence, C., Connor, S., Burke, T., Cheema, J., & Ostrosky, M. (2018). Assessing early intervention provider needs: Insights from one state. *Infants and Young Children, 31*(1), 53–68. doi:10.1097/IYC.0000000000000110
- Cheema, J., & *Asrar-ul-Haq, M. (2017). Effects of staff participation, morale, and shortage on organisational performance: An international survey. *Issues in Educational Research, 27*(4), 677–696. <https://www.iier.org.au/iier27/cheema-2.pdf>
- Cheema, J., & *Fuller-Hamilton, A. (2017). Teacher morale, participation, and shortage in white-majority and white-minority schools: Principals' perceptions. *Issues in Educational Research, 27*(2), 215–233. <http://www.iier.org.au/iier27/cheema.pdf>
- Cheema, J., & *Skultety, L. (2017). Self-efficacy and literacy: A paired difference approach to estimation of over-/under-confidence in mathematics and science related tasks. *Educational Psychology, 37*(6), 652–665. doi:10.1080/01443410.2015.1127329
- Cheema, J. (2016). Public versus private schools in Qatar: Is there a literacy gap? *Research in Education, 95*(1), 5–18. doi:10.7227/RIE.0017
- Cheema, J., & Kitsantas, A. (2016). Predicting high school student use of learning strategies: The role of learning style preferences and classroom climate. *Educational Psychology, 36*(5), 845–862. doi:10.1080/01443410.2014.981511
- Cheema, J. (2015). Differences in computer use for entertainment between boys and girls: Evidence from a global survey. *Entertainment Computing, 9-10*, 1–10. doi:10.1016/j.entcom.2015.06.001
- Cheema, J. (2015). The private-public literacy divide amid educational reform in Qatar: What does PISA tell us? *International Review of Education, 61*(2), 173–189. doi:10.1007/s11159-015-9479-8
- Cheema, J., & Sheridan, K. (2015). Time spent on homework, homework anxiety, and achievement: Evidence from a US sample. *Issues in Educational Research, 25*(3), 246–259. <http://www.iier.org.au/iier25/cheema.pdf>

- Cheema, J. (2014). A review of missing data handling methods in education research. *Review of Educational Research*, 84(4), 487–508. doi:10.3102/0034654314532697
- Cheema, J. (2014). Computer use for entertainment among young men and women in Qatar: Evidence from a national sample. *Entertainment Computing*, 5(2), 127–133. doi:10.1016/j.entcom.2014.04.001
- Cheema, J. (2014). Prevalence of online reading among high school students in Qatar: Evidence from the Programme for International Student Assessment 2009. *International Journal of Education and Development using Information and Communication Technology*, 10(1), 41–54.
<https://files.eric.ed.gov/fulltext/EJ1071195.pdf>
- Cheema, J. (2014). Some general guidelines for choosing missing data handling methods in educational research. *Journal of Modern Applied Statistical Methods*, 13(2), 53–75.
doi:10.22237/jmasm/1414814520
- Cheema, J. (2014). The migrant effect: An evaluation of native academic performance in Qatar. *Research in Education*, 91, 65–77. doi:10.7227/RIE.91.1.6
- Cheema, J., & Kitsantas, A. (2014). Influences of disciplinary classroom climate on high school student self-efficacy and mathematics achievement. A look at gender and racial-ethnic differences. *International Journal of Science and Mathematics Education*, 12(5), 1261–1279. doi:10.1007/s10763-013-9454-4
- Cuellar, A., & Cheema, J. (2014). Health care reform, behavioral health care, and the criminal justice population. *The Journal of Behavioral Health Services and Research*, 41(4), 447–459.
doi:10.1007/s11414-014-9404-0
- Meadan, H., Stoner, J., Angell, M., Daczewitz, M., Cheema, J., & Rugutt, J. (2014). Do you see a difference? Evaluating outcomes of a parent-implemented intervention. *Journal of Developmental and Physical Disabilities*, 26(4), 415–430. doi:10.1007/s10882-014-9376-2
- Al-Rawajfah, O., Cheema, J., Hewitt, J., Hweidi, I., & Musallam, E. (2013). Laboratory-confirmed health care associated bloodstream infections in Jordan: A matched cost and length of stay study. *American Journal of Infection Control*, 41(7), 607–611. doi:10.1016/j.ajic.2012.08.014
- Cheema, J. (2013). Does it matter how you measure it? The case of self-efficacy in mathematics. *Issues in Educational Research*, 23(3), 346–356. <http://www.iier.org.au/iier23/cheema.pdf>
- Cheema, J., & Galluzzo, G. (2013). Analyzing the gender gap in math achievement: Evidence from a large scale U.S. sample. *Research in Education*, 90, 98–112. doi:10.7227/RIE.90.1.7
- Cheema, J., & Zhang, B. (2013). Quantity and quality of computer use and academic achievement: Evidence from a large-scale international test program. *International Journal of Education and Development*

- using Information and Communication Technology*, 9(2), 95–106.
<https://files.eric.ed.gov/fulltext/EJ1071441.pdf>
- Ware, H., Cheema, J., & Kitsantas, A. (2013). Efficacy, consequences, and teacher commitment in the era of No Child Left Behind. *Journal for Effective Schools*, 11(1), 35–65.
<https://link.gale.com/apps/doc/A374100824/AONE?u=anon~a8efed2a>
- Al-Rawajfah, O., Cheema, J., Hweidi, I., Hewitt, J., & Musallam, E. (2012). Laboratory-confirmed health care associated bloodstream infections: A Jordanian study. *Journal of Infection and Public Health*, 5(6), 403–411. doi:doi.org/10.1016/j.jiph.2012.08.003
- Al-Rawajfah, O., Hewitt, J., Stetzer, F., & Cheema, J. (2012). Length of stay and charges associated with health care-acquired bloodstream infections. *American Journal of Infection Control*, 40(3), 227–232. doi:10.1016/j.ajic.2011.03.014
- Cuellar, A., & Cheema, J. (2012). As roughly 700,000 prisoners are released annually, about half will gain health coverage and care under federal laws. *Health Affairs*, 31(5), 931–938. doi:10.1377/hlthaff.2011.0501
- Gaffney, K., Kitsantas, P., & Cheema, J. (2012). Clinical practice guidelines for feeding behaviors and weight-for-age at 12 months: A secondary analysis of the Infant Feeding Practices Study II. *Worldviews on Evidence-Based Nursing*, 9(4), 234–242. doi:10.1111/j.1741-6787.2011.00236.x
- Kitsantas, P., Gaffney, K., & Cheema, J. (2012). Life stressors and barriers to timely prenatal care for women with high risk pregnancies residing in rural and non-rural areas. *Women's Health Issues*, 22(5), e455–e460. doi:0.1016/j.whi.2012.06.003
- Kitsantas, A., Cheema, J., & Ware, H. (2011). Mathematics achievement: The role of homework and self-efficacy beliefs. *Journal of Advanced Academics*, 22(2), 310–339. doi:10.1177/1932202X1102200206
- Kitsantas, A., Ware, H., & Cheema, J. (2010). Predicting mathematics achievement from mathematics efficacy: Does analytical method make a difference? *The International Journal of Educational and Psychological Assessment*, 5(1), 25–44.
<https://drive.google.com/file/d/0ByxuG44OvRLPemJWbTVEbHBTSDA/view>
- Bahmani-Oskooee, M., & Cheema, J. (2009). Short-run and long-run effects of currency depreciation on the bilateral trade balance between Pakistan and her major trading partners. *Journal of Economic Development*, 34(1), 19–46. <https://EconPapers.repec.org/RePEc:jed:journl:v:34:y:2009:i:1:p:19-41>

TEACHING EXPERIENCE

Graduate courses

Educational Psychology/Education Research

Applications of GLM Based Methods to Large Scale Datasets for Education Research
Applied Regression Analysis
Independent Study
Statistical Inference in Education
Workshop in the Computerized Analysis of Educational Data

Health Administration and Policy

Advanced Statistics in Health Services Research I

Operations Research/Information Systems

Advanced Data Mining for Business Analytics
Business Analytics
Data Mining for Business Analytics
Decision Models and Methods/Decision Models for Technology Management
Fundamentals of Statistics
Managerial Statistics

Psychology

Advanced Statistics [Business Psychology]
Quantitative Methods and Research in International Psychology
Research Methods [Organizational Leadership]
Statistics [Industrial/Organizational Psychology]
Statistics I [Clinical Psychology]
Statistics II [Clinical Psychology]

Undergraduate courses

Business Analytics I
Business Analytics II
Business Applications of Decision Science
Data mining for Business Applications
Economic Statistics
Introduction to International Economic Relations
Introductory Economics
Personal Finance/Consumer Economics

Principles of Macroeconomics

Principles of Microeconomics

Research Methods [Kinesiology]

Statistical Analysis for Business

Statistical Data Analysis [Operations Research]

Survey of Economics

Co-instructor/Teaching assistant – graduate courses

Applied Econometrics

Advanced Statistics and Applied Research [Business Administration]

Educational Statistical Methods II [Educational Psychology]