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Curriculum Vitae Heining Cham

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ACADEMIC APPOINTMENT

- 2024 - Present Professor (with tenure), Psychometrics and Quantitative Psychology,
Department of Psychology, Fordham University
- 2019 - 2024 Associate Professor (with tenure), Psychometrics and Quantitative Psychology,
Department of Psychology, Fordham University
- 2013 - 2019 Assistant Professor, Psychometrics and Quantitative Psychology,
Department of Psychology, Fordham University
- 2012 - 2013 Research Assistant, Department of Psychology, Arizona State University
- 2008 - 2011 Research Assistant, Prevention Research Center, Arizona State University

EDUCATION

- 2013 Ph.D. (Psychology in Quantitative Research Methods), Arizona State University
(Advisors: Stephen G. West and Jenn-Yun Tein)
- 2010 M.A. (Psychology), Arizona State University (Advisor: Stephen G. West)
- 2008 B.S. (Psychology), Peking University (Advisor: Yiqun Gan)

LANGUAGES

English, Chinese (Cantonese and Mandarin)

RESEARCH INTERESTS

Latent Variable Interaction, Propensity Score Analysis, Missing Data Analysis

RESEARCH GRANTS

1. NIH/National Institute on Minority Health and Health Disparities (R01 MD015763) 9/2021-8/2026
Discrimination and adolescent substance use: Understanding mediating and moderating mechanisms of sleep in the ABCD study (Funded = \$2,108,204)
Wang, Y. (PI), Alegria, M., Yip, T., **Cham, H. (Co-I)**, Russell, A. (Consultant)
2. NIH/National Institute on Minority Health and Health Disparities (R01 MD015715) 8/2021-4/2026
Social-environmental predictors of sleep disparities during the transition to college
(Funded = \$2,908,292)
Yip, T. (PI), Chae, D., El-Sheikh, M., **Cham, H. (Co-I)**, Mcmanus, E. (Consultant)
3. NIH/National Institute on Aging (R56 AG075744) 9/2022-8/2024
Biomarker Evaluation in Young Onset Dementia from Diverse Populations (BEYONDD)
(Funded = \$6,065,228)
Boxer, A., Byrd, D., Rabinovici, G., Rivera Mindt, M. (Co-PI), Heuer, H., Raman, R., Versey, S., **Cham, H. (Co-I)**

4. California Department of Public Health (#22-10079) 11/2022-6/2024
California Latino Brain Health Registry (Funded = \$2,231,504)
Nosheny, R. (PI), George, K., Mayeda, E. R. (Co-I), **Cham, H.**, Rivera Mindt, M. (**Consultant**)
5. Fordham University, Faculty Research Abroad Program 5/2023-5/2024
Women's depression and well-being during COVID-19 in Mexico: A longitudinal analysis of family and work dynamics (Funded = \$3,000)
Cham, H. (PI), Hurtarte, C. A. (Co-I)
6. NIH/National Institute on Aging (R01 AG065110) 9/2020-5/2024
(R56 AG065110) 9/2019-8/2020
Study of aging Latinas/os for understanding in HIV (SALUD HIV)
(Funded = \$4,966,708; \$4,134,428 for R01; \$832,280 for R56)
Rivera Mindt, M. (PI), Byrd, D., Clark, U., Hedden, T., Jacobs, M., Morgello, S.,
Robinson-Papp, J., Weiss, J., **Cham, H. (Co-I)**
7. Fordham University, Collaborative Online International Learning Award 9/2023-12/2023
Structural equation modeling: Collaborative online course (Funded = \$3,000)
Cham, H. (PI), Hurtarte, C. A., Lee, H. (Co-I)
8. Universidad Iberoamericana/EQUIDE 12/2022-12/2023
Efectos del COVID-19 en la salud mental de las mujeres durante el periodo de 2020 al 2022: Un análisis de la dinámica familiar y laboral (Effects of COVID-19 on the mental health of women during the period from 2020 to 2022: An analysis of family and work dynamics) (Funded = \$150,000 Mexican Peso)
Hurtarte, C. A. (PI), Dominguez Espinosa, A. C., Gaitan-Rossi, P. (Co-I), **Cham, H. (External Collaborator)**
9. Genentech Health Equity Innovations 2020 Fund (G-89294) 1/2021-12/2022
Digital engagement of Black/African American older adults in Alzheimer's disease clinical research using the Brain Health Registry (Funded = \$749,500)
Rivera Mindt, M., Nosheny, R., Hill, C. (Co-PI), **Cham, H. (Co-I)**
10. NIH/National Institute of Mental Health (R21 MH124902) 12/2020-11/2022
Sleep disturbance and inhibitory control as proximal predictors of suicidal ideation and behavior: A daily diary and actigraphy study of young adults (Funded = \$447,553)
Andover, M. (PI), Hoyt, L., **Cham, H. (Co-I)**
11. NIH/National Institute of Mental Health (R15 MH115356) 9/2017-3/2022
Examining adolescent outcomes of severe temper outbursts in childhood (Funded = \$460,767)
Roy, A. (PI), Hoyt, L., Castellanos, F. X., **Cham, H. (Co-I)**
12. Fordham University, Interdisciplinary Research Award 4/2020-12/2021
Sex-specific effects of early-life stress on cocaine addiction vulnerability (Funded = \$8,000)
Kundakovic, M. (PI), **Cham, H. (Co-I)**
13. NIH/National Institute of Aging (R21 AG054668) 8/2017-4/2021
Aging together: Relationship dynamics between the very old and their old children (Funded = \$419,855)
Boerner, K. (PI), Jopp, D. S., Rook, K., Kim, K. (Co-I),
Cham, H. (Consultant; Contributed to proposal development)
14. NIH/National Institute on Minority Health and Health Disparities (R21 MD011388) 8/2016-5/2020
The effects of discrimination and sleep disturbance on health among Asian youth (Funded = \$399,779)
Yip, T. (PI), Warren T., El Sheikh, M., **Cham, H. (Co-I)**

15. NIH/National Cancer Institute (R21 CA186932) 12/2015-11/2019
Measurement of prognostic understanding in patients with advanced cancer (Funded = \$531,896)
Rosenfeld, B. (PI), Applebaum, A., Breitbart, W., Pessin, H., Glare, P., **Cham, H. (Co-I)**
16. NIH/National Institute on Minority Health and Health Disparities (F31 MD011582) 8/2017-8/2019
The longitudinal effects of hypertension on cognitive aging in underrepresented minority adults with HIV
(Funded = \$88,514)
Guzman, V. A. (PI), Rivera Mindt, M. (Sponsor), Byrd, D., **Cham, H. (Co-sponsor)**
17. Swiss National Science Foundation/NCCR LIVES (Switzerland) 9/2016-8/2018
Aging together: Relationship quality, antecedents and consequences of very old parent and advanced age
children dyads (Funded = 15,400 Swiss Francs)
Jopp, D. S., (PI), Boerner, K., (Co-I), **Cham, H. (Consultant)**
18. IES/National Center for Education Research (R30 5A120180) 3/2012-2/2017
Improving classroom learning environments by Cultivating Awareness and Resilience in Education (CARE): A
cluster randomized controlled efficacy trial (Funded = \$3,435,882)
Jennings, P. A. (PI), Greenberg, M. (Co-PI), Brown, J., Frank, J., Oh, Y. (Co-I), **Cham, H. (Analyst)**
19. Fondation Leenaards (Lausanne, Switzerland) 9/2015-8/2016
Reaching very old age together: Study on the nature and the implications of the relationship between a very
old parent and their advanced age children (Funded = 50,000 Swiss Francs)
Jopp, D. S., (PI), Boerner, K., Darwiche, J., Spini, D. (Co-I), **Cham, H. (Consultant)**
20. Peking University (Beijing, China) 2007
President's Undergraduate Research Fellowship (Funded Amount = RMB 3,000)
Cham, H. (PI)
21. Peking University (Beijing, China) 2006
14th "Challenging Cup" Scientific Research Competition Grant (Funded Amount = RMB 500)
Zhang, Y. (PI), **Cham, H. (Co-I)**

PEER-REVIEWED ARTICLES (* indicates student joint-authored)

1. Aparcero, M.*, Lee, H.*, Wijetunga, C., Conley, E.*, Rosenfeld, B., & **Cham, H.** (accepted). *Measuring adaptive functioning in a correctional setting: An analysis of the Problems in Everyday Living Test (PEDL)*. *Criminal Justice and Behavior*.
2. Lorenzo, K.*, **Cham, H.**, & Yip, T. (2024). Longitudinal associations between friendship ethnic/racial composition and ethnic/racial identity: The role of school diversity. *Journal of Youth and Adolescence*. Advanced online publication. <https://doi.org/10.1007/s10964-024-02041-3>
3. **Cham, H.**, Lee, H.*, & Migunov, I.* (2024). Quasi-experimental designs for causal inference: An overview. *Asia Pacific Education Review*. Advanced online publication. <https://doi.org/10.1007/s12564-024-09981-2>
4. Ferrara, E., Lee, H.*, Guarecuco, J. S., Somekh, M. R., Hirsch, E., Keeseey, R., **Cham, H.**, Hoyt, L. T., & Roy, A. K. (2024). Novel assessment of the impact of irritability on physiological and psychological frustration responses in adolescents. *Journal of Clinical Child and Adolescent Psychology*, 53(2), 216-230. <https://doi.org/10.1080/15374416.2024.2301753>
5. Lee, H.*, & **Cham, H.** (2024). Comparing accuracy of parallel analysis and fit statistics for estimating the number of factors with ordered categorical data in exploratory factor analysis. *Educational and Psychological Measurement*. Advance online publication. <https://doi.org/10.1177/00131644241240435>

6. Savin, M. J., Byrd, D., Cysique, L., Rourke, S., Verney, S. P., Radford, K., Judd, T., Aghvinian, M., Crook, C., Oleas, D., Slaughter, A., Armenta, R., Franklin, D., Marcotte, T., **Cham, H.**, & Rivera Mindt, M. (2024). Disparate trajectories of cognitive aging among American Indian and Alaskan Native people with and without HIV. *Neuropsychology*. Advance online publication. <https://doi.org/10.1037/neu0000950>
7. Wang, Y., Zhang, Y., Zhao, Z., **Cham, H.**, Jelsma, E., Wadsworth, H., Yan, J., Johnson, S., Alegria, M., & Yip, T. (2024). Multiple discrimination and substance use intention in late childhood: Findings from the Adolescent Brain Cognitive Development (ABCD) Study. *Journal of Adolescent Health*, 74(6), 1217-1224. <https://doi.org/10.1016/j.jadohealth.2024.01.028>
8. Yan, J., Jelsma, E., Wang, Y., Zhang, Y., Zhao, Z., **Cham, H.**, Alegria, M., & Yip, T. (2024). Racial-ethnic discrimination and early adolescents' behavioral problems: The protective role of parental warmth. *Journal of the American Academy of Child and Adolescent Psychiatry*. Advanced online publication. <https://doi.org/10.1016/j.jaac.2024.03.020>
9. Ashford, M. T., Zhu, D. *, Bride, J., Aaronson, A., Conti, C., Cypress, C., Griffin, P., Ross, R., Duncan T., Deng, X. *, Ulbricht, A., Fockler, J., Camacho, M. R., Flenniken, D., Truran, D., Mackin, R. S., Hill, C., Weiner, M. W., Byrd, D., Turner II, R. W., **Cham, H.**, Rivera Mindt, M., & Nosheny, R. L. (2023). Understanding online registry facilitators and barriers experienced by Black Brain Health Registry participants: The Community Engaged Digital Alzheimer's Research (CEDAR) study. *Journal of Prevention of Alzheimer's Disease*, 3(10), 551-561. <https://doi.org/10.14283/jpad.2023.25>
10. Brown, J. L., Jennings, P. A., Rasheed, D. S., **Cham, H.**, Doyle, S. F., Frank, J. L., Davis, R., & Greenberg, M. T. (2023). Direct and moderating impacts of the CARE mindfulness-based professional learning program for teachers on children's academic and social-emotional outcomes. *Applied Developmental Science*. Advanced online publication. <https://doi.org/10.1080/10888691.2023.2268327>
11. Cao, Z. *, **Cham, H.**, Stiver, J. *, & Rivera Mindt, M. (2023). Effect size measure for mediation analysis with a multicategorical predictor. *Frontiers in Psychology: Quantitative Psychology and Measurement*, 14, 1101440. <https://doi.org/10.3389/fpsyg.2023.1101440>
12. Rivera Mindt, M., Ashford, M. T., Zhu, D. *, **Cham, H.**, Aaronson, A., Conti, C., Deng, X. *, Alaniz, R., Source, J., Cypress, C., Griffin, P., Flenniken, D., Camacho, M. R., Fockler, J., Truran, D., Mackin, R. S., Hill, C., Weiner, M. W., Byrd, D., Turner II, R. W., & Nosheny, R. L. (2023). The Community Engaged Digital Alzheimer's Research (CEDAR) study: A digital intervention to increase research participation of black American participants in the Brain Health Registry. *Journal of Prevention of Alzheimer's Disease*, 4(10), 847-856. <https://doi.org/10.14283/jpad.2023.32>
13. Rocks, D. *, Jaric, I., Bellia, F., **Cham, H.**, Grealley, J., Suzuki, M., & Kundakovic, M. (2023). Early-life stress and ovarian hormones alter transcriptional regulation in the nucleus accumbens resulting in sex-specific responses to cocaine. *Cell Reports*, 42, 113187. <https://doi.org/10.1016/j.celrep.2023.113187>
14. Xie, M., Zhao, Z., Yan, J., **Cham, H.**, & Yip, T. (2023). Ethnic/racial identity, adolescent sleep and somatic health: Discrimination and stress responses as a mediating mechanism. *Journal of Adolescent Health*, 74(3), 514-522. <https://doi.org/10.1016/j.jadohealth.2023.09.012>
15. Abramovitch, A., Abramowitz, J. S., McKay, D., **Cham, H.**, Anderson, K. S., Farrell, L. J., Geller, D. A., Hanna, G. L., Mathieu, S., McGuire, J. F., Rosenberg, D. R., Stewart, S. E., Storch, E. A., & Wilhelm, S. (2022). An ultra-brief screening scale for pediatric obsessive-compulsive disorder: The OCI-CV-5. *Journal of Affective Disorders*, 312(1), 208-216. <https://doi.org/10.1016/j.jad.2022.06.009>

16. Abramovitch, A., Abramowitz, J. S., McKay, D., **Cham, H.**, Anderson, K. S., Farrell, L., Geller, D. A., Hanna, G. L., Mathieu, S., McGuire, J. F., Rosenberg, D. R., Stewart, S. E., Storch, E. A., & Wilhelm, S. (2022). A revision of the Obsessive-Compulsive Inventory - Child Version: The OCI-CV-R. *Journal of Anxiety Disorders, 86*, 102532. <https://doi.org/10.1016/j.janxdis.2022.102532>
17. Fidaleo, K. E. *, Savin, M. J. *, Aghvinian, M. N., Summers, A. C. *, Arentoft, A. Byrd, D., **Cham, H.**, & Rivera Mindt, M. (2022). The neurocognitive implications of depression and socioeconomic status in people with HIV. *Journal of Clinical and Experimental Neuropsychology, 44*(8), 592-603. <https://doi.org/10.1080/13803395.2022.2149703>
18. Rocks, D. *, **Cham, H.**, & Kundakovic, M. (2022). Why the estrous cycle matters for neuroscience. *Biology of Sex Differences, 13*, 62. <https://doi.org/10.1186/s13293-022-00466-8>
19. Rosenfeld, B., Walsh, L. E. *, Zhu, D. *, **Cham, H.**, Polacek, L. C., Duva, M. M., & Applebaum, A. (2022). Measuring a patient's understanding of their prognosis. *Psycho-Oncology, 31*(10), 1790-1798. <https://doi.org/10.1002/pon.6007>
20. Yip, T., **Cham, H.**, Wang, Y., & Xie, M. (2022). Applying stress and coping models to ethnic/racial identity, discrimination, and adjustment among diverse adolescents. *Developmental Psychology, 58*(1), 176-192. <https://doi.org/10.1037/dev0001283>
21. Yip, T., Xie, M., **Cham, H.**, & El Sheikh, M. (2022). Linking discrimination to adolescent health: Sleep disturbances as an explanatory pathway. *Child Development, 93*(4), 973-994. <http://doi.org/10.1111/cdev.13747>
22. Aytürk, E. *, **Cham, H.**, Brown, J. L., & Jennings, P. A. (2021). Exploring the performance of latent moderated structural equations approach for ordered-categorical items. *Structural Equation Modeling: A Multidisciplinary Journal, 28*(3), 410-422. <https://doi.org/10.1080/10705511.2020.1810047>
23. Crook, C. L. *, Savin, M. J. *, Byrd, D., Summers, A. C. *, Guzman, V. A., Morris, E. P., Tureson, K., Aghvinian, M. *, **Cham, H.**, & Rivera Mindt, M. (2021). The neurocognitive effects of a past cannabis use disorder in a diverse sample of people living with HIV. *AIDS Care, 33*(11), 1482-1491. <https://doi.org/10.1080/09540121.2020.1822504>
24. Feng, Y. *, Cheon, Y. M., Yip, T., & **Cham, H.** (2021). Multilevel IRT analysis of the Everyday Discrimination Scale and the Racial/Ethnic Discrimination Index. *Psychological Assessment, 33*(7), 637-651. <https://doi.org/10.1037/pas0000906>
25. Guzman, V. A., **Cham, H.**, Gutierrez, J., Byrd, D., Morris, E. P., Tureson, K., Morgello, S., & Rivera Mindt, M. (2021). The longitudinal effects of blood pressure and hypertension on neurocognitive performance in people living with HIV. *Journal of Acquired Immune Deficiency Syndromes, 88*(2), 197-205. <https://doi.org/10.1097/QAI.0000000000002740>
26. Jung, S., **Cham, H.**, Siedlecki, K. L., & Jopp, D. S. (2021). Measurement invariance and developmental trajectories of multidimensional self-perceptions of aging in middle-aged and older adults. *Journal of Gerontology: Series B, 76*(3), 483-495. <https://doi.org/10.1093/geronb/gbz099>
27. Xie, M., Yip, T., **Cham, H.**, & El Sheikh, M. (2021). The impact of daily discrimination on sleep/wake problem trajectories among diverse adolescents. *Child Development, 92*(5), e1061-e1074. <https://doi.org/10.1111/cdev.13605>
28. Aytürk, E. *, **Cham, H.**, Jennings, P. A., & Brown, J. L. (2020). Latent variable interactions with ordered-categorical indicators: Comparisons of unconstrained product indicator and latent moderated structural equations approaches. *Educational and Psychological Measurement, 80*(2), 262-292. <https://doi.org/10.1177/0013164419865017>

29. Saracino, R. M., Aytürk, E.*, **Cham, H.**, Rosenfeld, B., Feuerstahler, L. M., & Nelson, C. J. (2020). Are we accurately evaluating depression in patients with cancer? *Psychological Assessment*, 32(1), 98-107. <https://doi.org/10.1037/pas0000765>
30. Saracino, R. M., **Cham, H.**, Rosenfeld, B., & Nelson, C. (2020a). Confirmatory factor analysis of the Center for Epidemiologic Studies Depression scale in oncology with examination of invariance between younger and older patients. *European Journal of Psychological Assessment*, 36(2), 229-236. <https://doi.org/10.1027/1015-5759/a000510>
31. Saracino, R. M., **Cham, H.**, Rosenfeld, B., & Nelson, C. (2020b). Latent profile analyses of depressive symptoms in younger and older oncology patients. *Assessment*, 27(7), 1383-1398. <https://doi.org/10.1177/1073191118784653>
32. Yazdani, N.*, Siedlecki, K. L., Cao, Z.*, & **Cham, H.** (2020). Longitudinal impact of sociocultural factors and parent beliefs on parent-teacher relationship strength. *The Elementary School Journal*, 121(1), 1-33. <https://doi.org/10.1086/709881>
33. Yip, T., **Cham, H.**, Wang, Y., & El-Sheikh, M. (2020). Discrimination and sleep mediate ethnic/racial identity and adolescent adjustment: Uncovering change processes with slope-as-mediator mediation. *Child Development*, 91(3), 1021-1043. <https://doi.org/10.1111/cdev.13276>
34. Yip, T., Cheon, Y. M., Wang, Y., **Cham, H.**, Warren, T., & El-Sheikh, M. (2020). Racial disparities in sleep: Associations with discrimination among ethnic/racial minority adolescents. *Child Development*, 91(3), 914-931. <https://doi.org/10.1111/cdev.13234>
35. Jaric, I.*, Rocks, D.*, **Cham, H.**, Herchek, A.*, & Kundakovic, M. (2019). Sex and estrous cycle effects on anxiety- and depression-related phenotypes in two-hit developmental stress model. *Frontiers in Molecular Neuroscience*, 12, 74. <https://doi.org/10.3389/fnmol.2019.00074>
36. Wang, Y., **Cham, H.**, Aladin, M.*, & Yip, T. (2019). Parental cultural socialization and adolescent private regard: Exploring mediating pathways through daily experiences. *Child Development*, 90(1), e19-e36. <https://doi.org/10.1111/cdev.12911>
37. **Cham, H.**, Reshetnyak, E.*, Rosenfeld, B., & Breitbart, W. (2017). Full information maximum likelihood estimation for latent variable interactions with incomplete indicators. *Multivariate Behavioral Research*, 51(1), 12-30. <https://doi.org/10.1080/00273171.2016.1245600>
38. Jennings, P. A., Brown, J. L., Frank, J. L., Doyle, S., Oh, Y., Tanler, R., Rasheed, D., DeWeese, A., DeMauro, A. A., **Cham, H.**, & Greenberg, M. T. (2017). Impacts of the CARE for Teachers Program on teachers' social and emotional competence and classroom interactions. *Journal of Educational Psychology*, 109(7), 1010-1028. <https://doi.org/10.1037/edu0000187>
39. Rosenfeld, B., **Cham, H.**, Pessin, H., & Breitbart, W. (2017). Why is Meaning-Centered Group Psychotherapy (MCGP) effective? Mediation effects of sense of meaning and peace in life for advanced cancer patients. *Psycho-Oncology*, 27(2), 654-660. <https://doi.org/10.1002/pon.4578>
40. Chabot, D. R., & **Cham, H.** (2016). Development of Pursuer-Distancer Movement Scale - Short Form (PDMS-SF). *Journal of Psychology and Behavioral Science*, 4(2), 80-88. <https://doi.org/10.15640/jpbs.v4n2a8>
41. **Cham, H.**, & West, S. G. (2016). Propensity score analysis with missing data. *Psychological Methods*, 21(3), 427-445. <https://doi.org/10.1037/met0000076>
42. Hoyt, L. T., Ehrlich, K. B., **Cham, H.**, & Adam, E. K. (2016). Balancing scientific accuracy and participant burden: Testing the impact of sampling intensity on diurnal cortisol indices. *Stress*, 19(5), 476-485. <https://doi.org/10.1080/10253890.2016.1206884>
43. Reshetnyak, E.*, **Cham, H.**, & Hughes, J. N. (2016). Using marginal structural modeling for grade retention effects. *Multivariate Behavioral Research*, 51(6), 871-876. <https://doi.org/10.1080/00273171.2016.1200454>

44. Sandler, I., Tein, J-Y., **Cham, H.**, Wolchik, S., & Ayers, T. (2016). Long-term effects of the Family Bereavement Program on spousally bereaved parents: Grief, mental health problems, alcohol problems, and coping efficacy. *Development and Psychopathology*, 28(s3), 801-818. <https://doi.org/10.1017/S0954579416000328>
45. **Cham, H.**, Hughes, J. N., West, S. G., & Im, M. H. (2015). Effect of retention in elementary grades on grade 9 motivation for educational attainment. *Journal of School Psychology*, 53(1), 7-24. <https://doi.org/10.1016/j.jsp.2014.10.001>
46. Fan, Y. *, & **Cham, H.** (2015). Psychometrics in the People's Republic of China: The past and the present. *International Psychological Bulletin*, 19(2), 44-46. https://div52.net/wp-content/uploads/2020/06/IPB_2015-19-2-SPRING.pdf
47. Hughes, J. N., Im, M. H., Kwok, O-M., **Cham, H.**, & West, S. G. (2015). Latino students' transition to middle school: Role of bilingual education and school ethnic context. *Journal of Research on Adolescence*, 25(3), 443-458. <https://doi.org/10.1111/jora.12142>
48. **Cham, H.**, Hughes, J. N., West, S. G., & Im, M. H. (2014). Assessment of adolescent's motivation for educational attainment. *Psychological Assessment*, 26(2), 642-659. <https://doi.org/10.1037/a0036213>
49. Enders, C. K., Baraldi, A. N., & **Cham, H.** (2014). Estimating interaction effects with incomplete predictor variables. *Psychological Methods*, 19(1), 39-55. <https://doi.org/10.1037/a0035314>
50. Knight, G. P., Basilio, C. D., **Cham, H.**, Gonzales, N. A., Liu, Y., & Umaña-Taylor, A. J. (2014). Trajectories of Mexican American and mainstream cultural values among Mexican American adolescents. *Journal of Youth and Adolescence*, 43, 2012-2027. <https://doi.org/10.1007/s10964-013-9983-8>
51. Liu, N. H., Philbin, M. M., & **Cham, H.** (2014). Depression and stigma among HIV-positive injection drug users in China: An exploratory study. *Journal of HIV/AIDS and Social Services*, 13(4), 371-382. <https://doi.org/10.1080/15381501.2013.835297>
52. West, S. G., **Cham, H.**, Thoemmes, F., Renneberg, B., Schulze, J., & Weiler, M. (2014). Propensity scores for equating groups: Basic principles and applications in clinical treatment outcome research. *Journal of Consulting and Clinical Psychology*, 82(5), 906-919. <https://doi.org/10.1037/a0036387>
53. **Cham, H.**, Baraldi, A. N., & Enders, C. K. (2013). Applying maximum likelihood estimation and multiple imputation to moderated regression models with incomplete predictor variables [Abstract]. *Multivariate Behavioral Research*, 48(1), 153-154. <https://doi.org/10.1080/00273171.2012.748359>
54. Dearnorff, J., **Cham, H.**, Gonzales, N. A., White, R. M. B., Tein, J-Y., Wong, J., & Roosa, M. W. (2013). Pubertal timing and Mexican-origin girls' internalizing and externalizing symptoms: The influence of harsh parenting. *Developmental Psychology*, 49(9), 1790-1804. <https://doi.org/10.1037/a0031016>
55. Tein, J-Y., Coxe, S., & **Cham, H.** (2013). Statistical power to detect the correct number of classes in latent profile analysis. *Structural Equation Modeling: A Multidisciplinary Journal*, 20(4), 640-657. <https://doi.org/10.1080/10705511.2013.824781>
56. **Cham, H.**, West, S. G., Ma, Y., & Aiken, L. S. (2012). Estimating latent variable interactions with nonnormal observed data: A comparison of four approaches. *Multivariate Behavioral Research*, 47(6), 840-876. <https://doi.org/10.1080/00273171.2012.732901>
57. Roosa, M. W., O'Donnell, M., **Cham, H.**, Gonzales, N. A., Zeiders, K. H., Tein, J-Y., Knight, G. P., & Umaña-Taylor, A. (2012). A prospective study of Mexican American adolescents' academic success: Considering family and individual factors. *Journal of Youth and Adolescence*, 41, 307-319. <https://doi.org/10.1007/s10964-011-9707-x>

58. Kelava, A., Werner, C. S., Schermelleh-Engel, K., Moosbrugger, H., Zapf, D., Ma, Y., **Cham, H.**, Aiken, L. S., & West, S. G. (2011). Advanced nonlinear latent variable modeling: Distribution analytic LMS and QML estimators of interaction and quadratic effects. *Structural Equation Modeling: A Multidisciplinary Journal*, 18(3), 465-491. <https://doi.org/10.1080/10705511.2011.582408>
59. West, S. G., Ryu, E., Kwok, O-M., & **Cham, H.** (2011). Multilevel modeling: Current and future applications in personality research. *Journal of Personality*, 79(1), 2-50. <https://doi.org/10.1111/j.1467-6494.2010.00681.x>
60. **Cham, H.**, & Gan, Y. (2008). Reliability and validity of problem-focused style of coping inventory and its relation between psychological distress. *Chinese Mental Health Journal*, 22(3), 193-197.
61. Zhang, Y., Gan, Y., & **Cham, H.** (2007). Perfectionism, academic burnout and engagement among Chinese college students: A structural equation modeling analysis. *Personality and Individual Differences*, 43(6), 1529-1540. <https://doi.org/10.1016/j.paid.2007.04.010>
62. Zhang, Y., Gan, Y., **Cham, H.**, & Liao, H. (2007). Perfectionistic self-presentation in Chinese college students and its relations with self-esteem. *Chinese Mental Health Journal*, 21(2), 94-96.

BOOK CHAPTERS (* indicates student joint-authored)

1. **Cham, H.** (2022). Quasi-experimental designs. In G. J. G. Asmundson (Ed.), *Comprehensive clinical psychology* (2nd ed., Volume 3, pp. 29-48). Elsevier. <https://doi.org/10.1016/B978-0-12-818697-8.00214-4>
2. West, S. G., Liu, Y., & **Cham, H.** (2018). Causation. In M. H. Bornstein, M. E. Arterberry, K. L. Fingerman, & J. E. Lansford (Eds.), *The SAGE encyclopedia of lifespan human development*. Sage. <https://doi.org/10.4135/9781506307633.n124>
3. West, S. G., **Cham, H.**, & Thoemmes, F. (2015). Propensity scores analysis. In R. L. Cautin & S. O. Lilienfeld (Eds.), *Encyclopedia of clinical psychology*. Wiley. <https://doi.org/10.1002/9781118625392.wbecp505>
4. West, S. G., **Cham, H.**, & Liu, Y. (2014). Causal inference and generalization in field settings: Experimental and quasi-experimental designs. In H. T. Reis & C. M. Judd (Eds.), *Handbook of research methods in social and personality psychology* (2nd ed.) (pp. 49-80). Cambridge University Press.
5. West, S. G., Aiken, L. S., **Cham, H.**, & Liu, Y. (2013). Multiple regression: The basics and beyond for clinical scientists. In J. S. Comer & P. C. Kendall (Eds.), *The Oxford handbook of research strategies for clinical psychology* (pp. 227-252). Oxford University Press.
6. Millsap, R. E. & **Cham, H.** (2012). Investigating factorial invariance in longitudinal data. In B. Laursen, T. D. Little, & N. A. Card (Eds.), *Handbook of developmental research methods* (pp. 109-126). Guilford Press.

MANUSCRIPTS IN PROGRESS (* indicates student joint-authored)

1. Jelsma, E., Wang, Y., Zhang, Y., Yan, J., Zhao, Z., Johnson, S.*, **Cham, H.**, Alegria, M., & Yip, T. (revision invited; revised and resubmitted). *Everyday racial/ethnic discrimination and early substance use based on hair samples in high-risk racial/ethnic minority youth during late childhood*. Cultural Diversity and Ethnic Minority Psychology.
2. Lorenzo, K. E.*, Xie, M., El Sheikh, M., **Cham, H.**, & Yip, T. (revision invited; under revision). *Corresponding changes in sleep and discrimination: A four-year longitudinal study among ethnically/racially diverse adolescents*. Journal of Youth and Adolescence.
3. Oleas, D. S.*, Arentoft, A., Lee, H.*, **Cham, H.**, Breen, E. A., Slaughter, A. W., Soto, A., Talavera, S., Guzman, V. A., Zimmerman, M. E., Arniella, G., Gebhardt, Y., Robinson-Papp, J., & Rivera Mindt, M. (submitted). *Age of migration and years of residence in the U.S.: Examining key components of the Immigrant Health Paradox and their relation to Neurocognition*. Journal of Immigrant and Minority Health.

4. Slaughter, A., Stiver, J., Savin, M., Oleas, D. S.*, Summers, A., Zhu, D., **Cham, H.**, Robinson-Papp, J., Rivera Mindt, M. (submitted). Perceived stress and health outcomes among Latinx and Non-Latinx White adults with HIV in East Harlem, New York: A Cross-sectional study. *Journal of the Association of Nurses in AIDS Care*.
5. Tickerhoof, M., **Cham, H.**, Ger, A., Burrja, S., Auluck, P., Schmidt, P. J., Marengo, S., & Kundakovic, M. (submitted). *Postmortem tissue biomarkers of menopausal transition*. *Nature Medicine*.
6. Wang, Y., Zhao, Z., Zhang, M., Zhang, Y., Yan, J., Jelsma, E., **Cham, H.**, Alegria, M., & Yip, T. (submitted). *Sleep as a protective factor: Multiple forms of discrimination and substance use intention among racially and ethnically minoritized U.S. youth*. *Journal of Adolescent Health*.
7. Zhao, Z., Yan, J., Wang, Y., Liu, C. H., Wang, L., **Cham, H.**, & Yip, T. (submitted). *Intersection of sexual orientation, ethnicity/race, and assigned sex at birth and discrimination*. *Pediatrics*.
8. Aghvinian, M., Oleas, D. S.*, Breen, E. A.*, Slaughter, A., Zhu, D.*, **Cham, H.**, Arentoft, A., Zimmerman, M. E., & Rivera Mindt, M. (in preparation). *Culture, context, and cognition: A meta-analytic review examining the relationship between United States acculturation and neuropsychological functioning*.
9. Oleas, D. S.*, Arentoft, A., Aghvinian, M., Savin, M. J., Stiver, J., Summers, A., Slaughter, A., Breen, E.*, Talavera, S., **Cham, H.**, Byrd, D., Robinson-Papp, J., & Rivera Mindt, M. (in preparation). *The effects of acculturation and perceived discrimination on neurocognitive functioning in immigrants and U.S.-born Latinx/e/o adults with HIV*.
10. Zhao, Z., Zhang, M., Yan, J., **Cham, H.**, El-Sheikh, M., & Yip, T. (in preparation). *Bidirectional associations between daily mood and sleep among black and Latinx adolescents during high school: A longitudinal study*.

TECHNICAL REPORTS (* indicates student joint-authored)

1. **Cham, H.**, Cao, Z.*, Martin, M.*, & Li, Z.*. (2023). *Is GRE related to graduate admission and graduate school performance: Analysis using the data of department of psychology, Fordham University*. Report for the Fordham University Department of Psychology.
2. **Cham, H.**, Li, Z.*, & Canavan, P.* (2022). *Literature review on the GRE: Test bias, differences across sex and race/ethnicity, and predictability towards academic success*. Report for the Fordham University Department of Psychology.
3. **Cham, H.**, Zhu, D.*, & Fordham University Arts and Science Council Faculty Evaluation Committee (2020). *Instructor gender and racial differences on Students' Evaluations of Educational Quality (SEEQ) instrument in Fordham University*. Report for the Fordham University Arts and Science Council.
4. **Cham, H.**, Zhu, D.*, Hariprasad, J.*, & Fordham University Arts and Science Council Faculty Evaluation Committee (2019). *A meta-analysis of the instructor gender and race differences on student evaluation of teaching*. Report for the Fordham University Arts and Science Council.
5. Ehrhardt, A.*, **Cham, H.**, & Fordham University Arts and Science Council Faculty Evaluation Committee (2018). *Students' Evaluation of Educational Quality (SEEQ): Validity, classroom and course factors, gender bias, and minority bias*. Report for the Fordham University Arts and Science Council.

PRESENTATIONS & SYMPOSIA (* indicates student joint-authored)

1. Calcetas, A. T.*, Arentoft, A., Lee, H.*, **Cham, H.**, Ashford, M.T., Diaz, A., Ajayi, A., Ayo, O., Camuy, A., Culhane, J. E.*, Kubo Germano, K., Guzman, V. A., Parkins, S., Talavera, S., Rivera Mindt, M. (2024, July). *Study partner-reported decline as a predictor of diagnostic progression in underrepresented populations in the Alzheimer's Disease Neuroimaging Initiative (ADNI) cohort*. Poster presented at the 2024 Alzheimer's Association International Conference, Philadelphia, PA.

2. **Cham, H.**, Deng, X.*, & Lee, H.* (2024, July). *Detecting non-uniform differential item functioning in latent variable interaction framework*. Paper presented at the 2024 International Meeting of the Psychometric Society, Prague, Czech Republic.
3. Culhane, J. E.*, Arentoft, A., Guzman, V. A., **Cham, H.**, Byrd, D. A., Calcetas, A. T.*, & Rivera Mindt, M. (2024, July). Young onset neurocognitive impairment, amyloid positivity, and psychiatric symptoms in underrepresented populations in the Health and Aging Brain Study: Health Disparities (HABS-HD) cohort. Poster presented at the 2024 Alzheimer's Association International Conference, Philadelphia, PA.
4. Lee, H.*, & **Cham, H.** (2024, July). *Performance of parallel analysis in bifactor model with ordinal items*. Poster presented at the 2024 International Meeting of the Psychometric Society, Prague, Czech Republic.
5. **Cham, H.**, Armenta Hurtarte, C., & Dominguez Espinoza, A. (2024, April). *Women's depression and well-being during COVID-19 in Mexico: A longitudinal analysis of family and work dynamics*. Paper presented at the 2024 Fordham University's Research Day Celebration, Bronx, NY.
6. Deng, X.*, & **Cham, H.** (2024, April). *Exploring the machine learning approach to evaluate validities of a game-based assessment*. Poster presented at the 2024 National Council on Measurement in Education (NCME) Annual Meeting, Philadelphia, PA.
7. Yan, J., Xie, M., Zhao, Z., **Cham, H.**, & Yip, T. (2024, April). *Heterogeneity of sleep in ethnic-racial adolescents: links with discrimination and developmental outcomes*. Flash talk presented at the Society for Research on Adolescence 2024 Annual Meeting, Chicago, IL.
8. Zhao, Z., Wang, Y., Yan, J., Liu, C. H., Wang, L., **Cham, H.**, & Yip, T. (2024, April). *Intersectionality and Discrimination among Ethnic/racial Minority and Sexual Minority Children*. Flash talk presented at the Society for Research on Adolescence 2024 Annual Meeting, Chicago, IL.
9. Jelsma, E., Zhang, Y., Zhao, Z., Yan, J., Johnson, S., Alegria, M., Yip, T., **Cham, H.**, & Wang, Y. (2024, April). *Everyday racial/ethnic discrimination and early substance use based on hair samples in high-risk racial/ethnic minority early adolescents*. Poster presented at the Society for Research on Adolescence 2024 Annual Meeting, Chicago, IL.
10. Aparcero, M.*, Lee, H.*, Wijetunga, C., Conley, E. E.*, Rosenfeld, B., & **Cham, H.** (2024, March). *Evaluating the utility of the Problems in Everyday Living Test (PEDL) to identify adult jail detainees with possible intellectual disability*. Paper presented at the American Psychology Law Society Conference 2024, Los Angeles, CA.
11. Armenta Hurtarte, C., **Cham, H.**, & Dominguez Espinoza, A. (2024, February). *Changes in perceived anxiety among women caregivers of children during the 2020-2021 school year: Insights from longitudinal ENCOVID-19 survey*. Paper presented at the Society for Personality and Social Psychology Annual Convention 2024, San Diego, California.
12. Stiver, J., Zimmerman, M. E., **Cham, H.**, Nosheny, R. L., Weiner, M. W., Maruff, O., Stricker, N. H., & Rivera Mindt, M. (2024, February). Robust demographically adjusted norms for remote cognitive assessment: Examining the unsupervised Cogstate Brief Battery in an ethnoculturally diverse sample. Paper presented at International Neuropsychological Society 2024 Annual Meeting, New York, NY.
13. **Cham, H.** (2023, November). *Quasi-experimental designs: An introduction to regression discontinuity design*. Guest lecture presented at the department of psychology, the Ibero-American University (Universidad Iberoamericana), Mexico City, Mexico.

14. Armenta Hurtarte, C., Dominguez Espinoza, A., & **Cham, H.** (2023, October). *Cuidado y trabajo: Elementos diferenciales en la ansiedad de mujeres mexicanas durante COVID-19* [Care and work: Differential elements in Mexican women's anxiety during COVID-19]. Paper presented at the IX Congreso Latinoamericano de Psicología de la Salud, Mexico City, Mexico.
15. Breen, E. A.*, Arentoft, A., **Cham, H.**, Oleas, D. S.*, Slaughter, A. W., Camuy, A. M., Schuck, L. A., Hart, R. G., Talavera, S., & Rivera Mindt, M. G. (2023, July). *Depression and the relationship between neurocognition and functional status and decline within ethnoculturally diverse middle- and older-aged adults*. Poster presented at the 2023 Alzheimer's Association International Conference, Amsterdam, the Netherlands.
16. Camuy, A. M., Arentoft, A., **Cham, H.**, Slaughter, A., Breen, E.*, Oleas, D.*, Schuck, L., Coker, G., & Rivera Mindt, M. (2023, July). *The role of demographic and health factors in a community-engaged research approach to improve inclusion of underrepresented populations from the Study of African Americans and Latinas/os to Understand Dementia (SALUD)*. Poster presented at the 2023 Alzheimer's Association International Conference, Amsterdam, the Netherlands.
17. Oleas, D. S.*, Arentoft, A., **Cham, H.**, Slaughter, A., Breen, E. A.*, Camuy, A. M., Schuck, L., Talavera, S., & Rivera Mindt, M. (2023, July). *Are social network and nativity status associated with neurocognitive functioning in a sample of middle- and older-aged adults from the Study of African Americans and Latinas/os to Understand Dementia (SALUD)?* Poster presented at the 2023 Alzheimer's Association International Conference, Amsterdam, the Netherlands.
18. Schuck, L. A., Arentoft, A., **Cham, H.**, Oleas, D. S.*, Breen, E. A.*, Slaughter, A. W., Camuy, A. M., Talavera, S., & Rivera Mindt, M. (2023, July). *Resilience in aging: Characterizing social and emotional pandemic stress with age in a multi-ethnic sample of middle-aged and older adults*. Poster presented at the 2023 Alzheimer's Association International Conference, Amsterdam, the Netherlands.
19. Slaughter, A. W., Arentoft, A., **Cham, H.**, Oleas, D. S.*, Schuck, L. A., Camuy, A. M., Breen, E. A.*, Zhu, D.*, Talavera, S., & Rivera Mindt, M. G. (2023, July). *An examination of the impact of age and sleep quality on neurocognition within a multi-ethnic sample*. Poster presented at the 2023 Alzheimer's Association International Conference, Amsterdam, the Netherlands.
20. Cao, Z.*, & **Cham, H.** (2023, June). *A novel effect size measure for mediation with a multicategorical predictor*. Poster presented at the 2023 Modern Modeling Methods (M³) Conference, Storrs, CT.
21. Lee, H.*, Zhu, D.*, & **Cham, H.** (2023, June). *Assessing multiple imputation to test measurement invariance with ordinal items*. Poster presented at the 2023 Modern Modeling Methods (M³) Conference, Storrs, CT.
22. Deng, X.*, & **Cham, H.** (2023, April). *Exploring a machine learning approach to evaluate psychometrics properties of a game-based cognitive ability assessment*. Paper presented at the 2023 Fordham Data Science Symposium: Doing Good with Data, New York, NY.
23. Lee, H.*, & **Cham, H.** (2023, March). *Comparing accuracy of parallel analysis and fit statistics in EFA*. Paper presented at the 2023 National Council on Measurement in Education (NCME) Annual Meeting, Virtual Session.
24. Migunov, I.*, & **Cham, H.** (2023, March). *Propensity score estimation with multi-layer neural networks*. Paper presented at the 2023 National Council on Measurement in Education (NCME) Annual Meeting, Virtual Session.
25. Xie, M., Zhao, Z., Yip, T., & **Cham, H.** (2023, March). *Ethnic/racial identity and adolescent sleep and somatic health: coping with ethnic/racial discrimination as a mediating mechanism*. Flash talk presented at the 2023 Society for Research in Child Development (SRCD) Biennial Meeting, Salt Lake City, UT.

26. Breen, E. A. *, Stiver, J. T. *, Savin, M. J. *, Oleas, D. S. *, Slaughter, A. W., Aghvinian, M. *, **Cham, H.**, & Rivera Mindt, M. (2023, February). *Neurocognition and functional status among ethnoculturally diverse older adults: Support for the external validity of the ADAS-Cog*. Paper presented at the 2023 International Neuropsychological Society Conference, San Diego, CA.
27. Oleas, D. S. *, Savin, M. J. *, Stiver, J. T. *, Aghvinian, M. *, Slaughter, A. W., Breen, E. A. *, **Cham, H.**, Talavera, S., Byrd, D., Robinson Papp, J., & Rivera Mindt, M. (2023, February). *Do the cognitive effects of the immigrant health paradox vary across the lifespan?* Poster presented at the 2023 International Neuropsychological Society Conference, San Diego, CA.
28. Aaronson, A., Ashford, M. T., Zhu, D. *, **Cham, H.**, Conti, C., Deng, X. *, Alaniz, R., Mackin, R. S., Weiner, M. W., Byrd, D., Turner, R. W., Hill, C. V., Nosheny, R. L., & Rivera Mindt, M. (2022, November). *The Community Engaged Digital Alzheimer's Research (CEDAR) study: Digital engagement strategies to increase ADRD research participation of black Americans*. Poster presented at the 15th Edition of Clinical Trials on Alzheimer's Disease (CTAD 2022), San Francisco, CA.
29. McKay, D., Abramovitch, A., Abramowitz, J., Rosenberg, D., Stewart, E., Storch, E., Wilhelm, S., **Cham, H.**, Anderson, K., Farrell, L., Geller, D., Hanna, G., Mathieu, S., & McGuire, J. F. (2022, November). *Assessment of childhood obsessive-compulsive symptoms: Revisions to the OCI-CV*. In A. Abramovitch (Chair), Recent developments in assessment, diagnosis, and classification of OCD and related disorders. Symposium presented at the 2022 Annual Meeting of the Association for Behavioral and Cognitive Therapies, New York, NY.
30. Ashford, M. T., Conti, C., Zhu, D. *, Deng, X. *, Ross, R., Ulbricht, A., Fockler, J., Camacho, M. R., Flenniken, D., Truran-Sacrey, D., Mackin, R. S., Weiner, M. W., Byrd, D., Turner, R. W., **Cham, H.**, Hill, C. V., Rivera Mindt, M., & Nosheny, R. L. (2022, June). *Black online registry participants' attitudes towards participation in the Brain Health Registry: A survey of motivators, barriers, and preferred communication channels*. Poster presented at Promoting Diverse Perspectives: Addressing Health Disparities Related to Alzheimer's and All Dementias, Washington, D.C.
31. **Cham, H.**, Zhu, D. *, & Lee, H. * (2022, May). *Evaluation of multiple imputation in mean and variance adjusted weighted least square estimation to test measurement invariance*. Poster presented at the 2022 Association for Psychological Science Convention, Chicago, IL.
32. Slaughter, A., Stiver, J. *, Savin, M. *, **Cham, H.**, & Rivera Mindt, M. (2022, May). *The roles of Latinx ethnicity and perceived stress in HIV-related health inequities*. Flash talk presented at the 2022 Association for Psychological Science Convention, Chicago, IL.
33. Canavan, P. *, Lee, H. *, & **Cham, H.** (2022, April). *Increased depression rates among college students with the onset of the COVID-19 pandemic*. Poster presented at the 2022 Fordham College at Rose Hill FCRH Undergraduate Research Symposium, Bronx, NY.
34. Oleas, D. S. *, Aghvinian, M. N. *, Summers, A. C. *, Savin, M. J. *, Stiver, J. *, Breen, E. A. *, Slaughter, A., **Cham, H.**, Talavera, S., Byrd, D., Robinson-Papp, J., & Rivera Mindt, M. (2022, February). *The effects of acculturation and perceived discrimination on neurocognitive functioning in immigrants and U.S. born individuals with HIV*. Paper presented at the International Neuropsychological Society 2022 Annual Meeting, New Orleans, LA.
35. Savin, M. J. *, Byrd, D., Judd, T., Verney, S., Radford, K., Cysique, L. A., Rourke, S. B., Armenta, R. F., Franklin, D., Marcotte, T. D., **Cham, H.**, & Rivera Mindt, M. (2022, February). *American Indian and Alaska Native disparities in trajectories of cognitive aging*. Paper presented at the International Neuropsychological Society 2022 Annual Meeting, New Orleans, LA. (Savin is the receipt of the International Neuropsychological Society's (INS) Graduate Student Research Award)

36. Zhu, D.*, **Cham, H.**, & Cao, Z.* (2021, May). *Psychometric analysis of Student Evaluation of Education Quality on instructor gender and race differences*. Poster presented at the 2021 Association for Psychological Science Virtual Convention and Poster Showcase.
37. Xie, M., Yip, T., & **Cham, H.** (2021, April). *The daily impact of discrimination on sleep/wake problems among diverse adolescents*. Paper presented at the 2021 Society for Research in Child Development (SRCD) Virtual Biennial Meeting.
38. Zhu, D.*, **Cham, H.**, Hariprasad, J.*, & Fordham University Arts and Science Council Faculty Evaluation Committee (2020, June-September). *A meta-analysis of instructor gender and race differences on student evaluation of teaching*. Poster presented at the 32nd Association for Psychological Science Annual Convention – Virtual Poster Showcase.
39. Cao, Z.*, & **Cham, H.** (2020, June). *Effect size measure for mediation analysis with multicategorical predictor*. Poster presented at the 2020 Modern Modeling Methods (M³) Conference, Storrs, CT. (Conference canceled)
40. Feng, Y.*, & **Cham, H.** (2019, July). *Dealing with item-level missingness in multilevel data structure*. Poster presented at the 84th Annual Meeting of the Psychometric Society, Santiago, Chile.
41. Cheon, Y. M., Feng, Y.*, **Cham, H.**, & Yip, T. (2019, March). *Testing measurement invariance of Multigroup Ethnic Identity Measure (MEIM) and Multidimensional Inventory of Black Identity (MIBI): Across race and time in high school and college students*. Paper presented at the 2019 Society for Research in Child Development (SRCD) Biennial Meeting, Baltimore, MD.
42. Saracino, R. M., Aytürk, E.*, **Cham, H.**, Rosenfeld, B., & Nelson, C. J. (2019, March). *Substitutive depression criteria in oncology outperforms DSM criteria using IRT analyses*. Poster presented at 2019 Annual Meeting of the Society of Behavioral Medicine, Washington DC.
43. Jung, S., **Cham, H.**, Siedlecki, K. L., & Jopp, D. S. (2018, November). *Effects of multidimensional self-perceptions of aging on longevity*. Poster presented at the 70th Annual Scientific Meeting of the Gerontological Society of America, Boston, MA.
44. Aytürk, E.*, & **Cham, H.** (2018, May). *Performance of the LMS procedure in estimating latent interaction models with ordered-categorical indicators*. Paper presented at the 2018 Modern Modeling Methods (M³) Conference, Storrs, CT.
45. **Cham, H.** (2018, February). *Above and beyond paired t test and repeated measures ANOVA: What else can we do with longitudinal data?* Paper presented at the Brown Bag Seminar, Department of Neurology, Icahn School of Medicine at Mount Sinai, New York, NY. [invited talk]
46. West, S. G., Hughes, J. N., Wu, W., **Cham, H.**, & Kim, H. J. (2017, October). *The effect of retention in grade on children's achievement and early adult life outcomes: A methodological retrospective on a 14-year prospective study*. Paper presented at the 2017 Society of Multivariate Experimental Psychology Conference, Minneapolis, Minnesota.
47. Aytürk, E.*, & **Cham, H.** (2017, April). *Estimating latent variable interactions with non-normal and Likert-type variables*. Paper presented at the 2017 Annual Meeting of the National Council on Measurement in Education (NCME), San Antonio, Texas.
48. Brown, J. L., Jennings, P. A., Rasheed, D. S., **Cham, H.**, Doyle, S. L., Frank, J. L., DeWeese, A. R., & Greenberg, M. T. (2017, April). *Associations between teacher stress and well-being and children's academic and social skills during middle childhood*. Paper presented at the 2017 Society for Research in Child Development (SRCD) Biennial Meeting, Austin, Texas.

49. Jung, S. *, **Cham, H.**, & Siedlecki, K. L. (2016, November). *Developmental trajectories of multidimensional self-perceptions of aging*. Poster presented at the 69th Annual Scientific Meeting of the Gerontological Society of America, New Orleans, LA.
50. **Cham, H.**, & Hurley, L. * (2016, August). *Comparisons of different multiple imputation procedures via recursive partitioning*. Paper presented at the 2016 American Psychological Association Annual Convention, Denver, CO.
51. Tein, J-Y., & **Cham, H.** (2016, July). *Four alternative methods of growth modeling to examine longitudinal intervention effects*. Paper presented at the 31st International Congress of Psychology (ICP2016), Yokohama, Japan.
52. **Cham, H.**, Hurley, L. *, & Teng, Y.* (2016, May). *Optimizing random forests propensity scores*. Paper presented at the 2016 Modern Modeling Methods (M³) Conference, Storrs, CT.
53. Reshetnyak, E. *, & **Cham, H.** (2016, May). *Estimating latent variable interactions with incomplete exogenous indicators via CART in MICE using unconstrained product indicator approach*. Paper presented at the 2016 Modern Modeling Methods (M³) Conference, Storrs, CT.
54. **Cham, H.**, & Reshetnyak, E. * (2016, May). *Resolving non-normality and missing at random items in latent variable interactions: Multiple imputation using regression tree in unconstrained product indicator approach*. Invited talk presented at the 2016 Spring Brown Bag Seminar, Department of Human Development, Teachers College, Columbia University, New York, NY.
55. Brown, J. L., Jennings, P. A., Rasheed, D. S., **Cham, H.**, Doyle, S. L., Frank, J. L, Davis, R. T., DeWeese, A. R., & Greenberg, M. T. (2016, April). *Direct and moderating impacts of the CARE for Teachers intervention on student academic outcomes*. Paper presented at the 2016 AERA Annual Meeting, Washington, D.C.
56. Smith, N. *, **Cham, H.**, Brown, J. (2016, March). *Parent home and school involvement trajectories and youth classroom engagement across two school transitions*. Paper presented at the 2016 Society for Research on Adolescence Biennial Meeting, Baltimore, MD.
57. Tein, J-Y., & **Cham, H.** (2015, July). *Alternative methods of latent growth modeling for examining intervention effects*. Paper presented at the 80th Annual Meeting of the Psychometric Society, Beijing, China.
58. **Cham, H.**, & Reshetnyak, E. * (2015, May). *Estimating latent variable interactions with incomplete exogenous items*. Paper presented at the 2015 Modern Modeling Methods (M³) Conference, Storrs, CT.
59. Lehrfeld, J. L. *, & **Cham, H.** (2015, May). *Performance of the mean- and variance-adjusted ML χ^2 test statistic with and without Satterthwaite df correction*. Paper presented at the 2015 Modern Modeling Methods (M³) Conference, Storrs, CT.
60. Reshetnyak, E. *, & **Cham, H.** (2015, May). *Performances of mixture latent moderated structural equations approach*. Paper presented at the 2015 Modern Modeling Methods (M³) Conference, Storrs, CT.
61. West, S. G., **Cham, H.**, Hughes, J. N., & Wu, W. (2015, April). *Retaining low achieving children in first grade: How do we evaluate the effects?* Paper presented at the LEAD Retreat of the LEAD (Learning, Educational Achievement, and Life Course Development) Graduate School, Bad Urach, Germany.
62. Im, M. H., Hughes, J. N., Kwok, O-M., **Cham, H.**, & West, S. G. (2013, April). *Changes in trajectories of engagement at the transition to middle school among academically at-risk Hispanic students: Implications for achievement*. Paper presented at the 2013 Society for Research in Child Development Biennial Meeting, Seattle, WA.

63. **Cham, H.**, Baraldi, A. N., & Enders, C. K. (2012, October). *Applying maximum likelihood estimation and multiple imputation to moderated regression models with incomplete predictor variables*. Poster session presented at the 2012 Society of Multivariate Experimental Psychology Student Pre-Conference, Vancouver, British Columbia, Canada.
64. Baraldi, A. N., **Cham, H.**, & Enders, C. K. (2012, May). *Estimating moderated regression models with incomplete predictor variables*. Paper presented at the 2012 Modern Modeling Methods (M³) Conference, Storrs, CT.
65. Ayers, T., Sandler, I., Tein, J-Y., **Cham, H.**, & Wolchik, S. (2012, March). *Family bereavement program effects on bereaved parents*. Paper presented at the Association for Death Education and Counseling 34th Annual Conference, Atlanta, GA.
66. Sandler, I., **Cham, H.**, Tein, J-Y., & Mahrer, N. (2011, September). *Six-year effects of the family bereavement program on bereaved parents: Estimating effects and untangling mediating pathways*. Paper presented at the 2021 Prevention Science and Methodology Group.
67. **Cham, H.**, & Tein, J-Y. (2011, July). *Examination of robustness of heterogeneity of residual variance in mediation effect with categorical exogenous variable*. Paper presented at the 76th Annual Meeting of the Psychometric Society, Hong Kong, China.
68. Sandler, I., **Cham, H.**, Tein, J-Y., Hagan, M., Ayers, T., & Wolchik, S. (2011, June). *Effects of the family bereavement program on mental health and alcohol abuse of bereaved parents six-years later*. Poster presented at the Society for Prevention Research 19th Annual Meeting, Washington D.C., United States.
69. Deardorff, J., **Cham, H.**, Gonzales, N. A., White, R. M. B., Tein, J-Y., Wong, J., Roosa, M. W., & Knight, G. P. (2011, March). *Early puberty and Mexican American girls' internalizing and externalizing symptoms: The influence of parenting behaviors*. Paper presented at the 2011 Society for Research in Child Development Biennial Meeting, Montreal, Quebec, Canada.
70. Tein, J-Y., **Cham, H.**, Coxe, S., (2009, July). *Statistical power to detect the correct number of classes in latent class analysis*. Poster session presented at the 74th Annual Meeting of the Psychometric Society, Cambridge, United Kingdom.
71. Zhang, Y., Gan, Y., **Cham, H.**, & Liao, H. (2006, May). *Perfectionism and its relations with students' burnout and engagement: A structural equation modeling analysis*. Paper presented at the 1st Asian Cognitive Behaviour Therapy Conference, Chinese University of Hong Kong, Hong Kong, China.

ACADEMIC AWARDS & HONORS

- | | |
|------|--|
| 2023 | 2023 Anne Anastasi Distinguished Early Career Contributions Award, American Psychological Association Division 5 (Quantitative and Qualitative Methods) |
| 2023 | Fellow, American Psychological Association Division 5 (Quantitative and Qualitative Methods) |
| 2019 | Best abstract award for the poster titled "Substitutive Depression Criteria in Oncology Outperforms DSM Criteria using IRT Analyses" and presented at 2019 Annual Meeting of the Society of Behavioral Medicine, Washington DC (co-authored with Saracino, R. M., Aytürk, E., Rosenfeld, B., and Nelson, C. J [third author]), SBM Multi-Morbidities Special Interest Group. |
| 2017 | 2017 APS Rising Star designation to outstanding psychological scientists in the earliest stages of their research careers post-PhD, Association for Psychological Science |
| 2017 | Workshop Award, Q-Center Methodological Workshop, for the workshop "Design and Analysis of Practical Quasi-Experiments Workshop" (supported by the Institute of Education Sciences (IES)) |

- 2015 Prix Leenaards “Qualité de vie des personnes âgées”, Fondation Lennaards (Lausanne, Switzerland), for innovative exploratory research projects on quality of life in older adults.
- 2012 Student Conference Travel Award, Society of Multivariate Experimental Psychology, for the conference “2012 Society of Multivariate Experimental Psychology Student Pre-Conference”
- 2012 Workshop Travel Award, Society of Multivariate Experimental Psychology, for the workshop “Exploratory Data Mining in Behavioral Research”
- 2011 Graduate & Professional Student Association Travel Grant, Arizona State University, for the conference “The 76th Annual Meeting of the Psychometric Society”
- 2010 Student Conference Travel Award, Society of Multivariate Experimental Psychology, for the conference “Current Topics in the Theory and Application of Latent Variable Models: A Conference Honoring the Scientific Contributions of Michael W. Browne”
- 2010 APA Advanced Training Institute Travel Grant, for the workshop “Structural Equation Modeling in Longitudinal Research”
- 2010 Workshop Travel Award, Society of Multivariate Experimental Psychology, for the workshop “Structural Equation Modeling in Longitudinal Research”
- 2004 - 2008 China Resources (Holdings) Co. Ltd. Scholarship
- 2007 Scholarship for Taiwan, Hong Kong, Macao and Overseas Chinese Students, Peking University
- 2006 Dean’s Award for Academic Excellence, Peking University
- 2006 1st Honor Award, 14th “Challenging Cup” Scientific Research Competition, Peking University

TEACHING EXPERIENCES

Undergraduate Courses

Research Methods (with Lab) [13 Fall - 15 Fall, 19 Spring, 20 Spring, 21 Spring, 21 Fall]

Statistics (with Lab) [16 Spring, 17 Spring - 18 Spring]

Graduate Courses

Introduction to Psychological Statistics (with Lab) [14 Spring, 15 Spring, 15 Fall, 18 Fall]

Regression (with Lab) [22 Spring, 23 Spring, 24 Spring]

Introduction to Multivariate Analysis [22 Fall]

Hierarchical Linear Modeling (with Lab) [14 Fall, 17 Spring, 18 Fall, 20 Fall, 22 Fall, 24 Fall]

Structural Equation Modeling (with Lab) [13 Fall, 16 Spring, 18 Spring, 19 Fall, 22 Spring, 23 Fall]

Missing Data Analysis [19 Spring, 23 Spring]

Graduate Tutorial

Mixture Modeling [23 Spring]

Introduction to Structural Equation Modeling [15 Fall]

Statistical Learning and Data Mining [14 Spring, 14 Fall, 16 Spring]

As Teaching Assistant

Structural Equation Modeling [12 Spring, 13 Spring; Arizona State University]

Introduction to Psychological Statistics [08 Spring; Peking University]

ACADEMIC MENTORING AND ADVISING**DIRECT MENTORSHIP**

(Completed)

Zihuan Cao	(M.A., 2019; Ph.D, 2024; First Job: Biostatistician at The Financial Markets)
Ye Feng	(M.A., 2018; Ph.D, 2023; co-mentor with Tiffany Yip; First Job: People Analytics Partner at IMC Financial Markets)
Yue Teng	(M.A., 2017; Ph.D, 2023; First Job: Data Scientist at Loblaw Digital)
Abraham Lipton	(Ph.D, 2022; co-mentor with Se-Kang Kim; First Job: Consultant at ZS Associates)
Vanessa Guzman	(Ph.D, 2020; co-mentor with Monica Rivera Mindt; First Job: Post-doctoral Fellow in Department of Neurology, Columbia University Irving Medical Center)
Landon Hurley	(M.A., 2016; Ph.D, 2019; co-mentor with Ann Higgins-D'Alessandro; First Job: Post-doctoral Fellow in Department of Epidemiology, Yale School of Medicine)
Evgeniya Reshetnyak	(Ph.D, 2017; First Job: Senior Research Data Analyst in Weill Cornell Graduate School of Medical Sciences)
Seojung Jung	(Ph.D, 2016; co-mentored with Karen Siedlecki; First Job: Assistant Professor in Department of Psychology, SUNY Old Westbury [tenure-track])
Jonathan Lehrfeld	(Ph.D, 2016; First Job: Measurement Scientist in Council for Aid in Education)
Yi Shi	(Ph.D, 2016; co-mentored with Ann Higgins-D'Alessandro; First Job: Senior Research Associate in Catalyst Inc.)
Xinyue (Sam) Deng	(M.A., 2023)
Hyunjung Lee	(M.A., 2022)
Igor Migunov	(M.A., 2022)
Danqi Zhu	(M.A., 2021)
Payton Canavan	(B.A., 2022; Fordham College of Rose Hill Research Grant in spring 2022)
Michael Ceraso	(B.A. Honors, 2016; co-mentored with Keith Cruise)

(In progress)

Danqi Zhu (Ph.D candidate), Yasmin Hussein (PhD candidate, co-mentoring with David Budescu), Hyunjung Lee (Ph.D candidate), Igor Migunov (Ph.D candidate), Xinyue (Sam) Deng (Ph.D candidate), Samuel Fasanmi (Ph.D student)

COMMITTEE MEMBER (READER)**Doctoral Dissertation**

(In progress) Sheniqua Jeffrey, Kyle Lorenzo

(Completed, in chronological order)

Yuanchao Bo	Jennifer Lord-Bessen	Daniel Benjamin	Kelly Coulehan	Joseph Grochowalski
Andrea McNamara	Meirav Attali	Sheena Jeswani	Naila Smith	Rebecca Saracino
Stephanie Hicks	Miguel Arce	James Griffin	Shixin Fang	Sonia Roubeni
Travis Shivley-Scott	Liam Duffy	Ashley Pierson	Audra Olazabal	Essie Sutton
Caroline Holman	Candace Mootoo	Li Niu	Lauren Mancusi	Ezgi Aytürk
John Gomez Varon	Evan Holloway	Emily Ho	Pat Olsen	Cara Crook
Jeannette Reid	Ciara Nestor	Yizhi Zhang	Deborah Layman	Aaliyah Gray

Micah Savin	Maral Aghvinian	Angela Summers	Ying Han	Elise Bragard (examiner)
Jordan Stiver	Jungwon (Rachael) Ahn	Danusha Selva Kumar	Maria Jimenez-Salazar	Mark Himmelstein
Victoria Song	Emily Weinberger	Xiangyu Tao		

Master's Thesis

(Completed, in chronological order)

Yuyu Fan	Abraham Lipton	Victoria Song	Yizhi Zhang	Kaitlyn Mare
Ying Han	Aaliyah Gray	Yasmin Hussein		

ADVISING

2015 - Present	Academic Advisor, Psychology Major Advising Program, Fordham College of Rose Hill
2015 - 2019	Academic Advisor, Sophomore Advising Program, Fordham College of Rose Hill
2014 - 2019	Academic Advisor, Core Advising Program, Fordham College of Rose Hill

ACADEMIC SERVICES**EXTERNAL**

2023 - Present	Consulting Editor, Psychological Assessment
2022 - Present	Associate Editor, Frontiers in Psychology and Frontiers in Applied Mathematics and Statistics - Quantitative Psychology and Measurement
2018 - Present	Editorial Board, Multivariate Behavioral Research
2017 - 2020	Grant Panel Member, Institute of Education Sciences
2020	Grant Reviewer, Institute of Education Sciences
2019	Grant Reviewer, U.S.-Israel Binational Science Foundation
2016	Grant Reviewer, Research Foundation Flanders FWO (Belgium)
2014	Grant Reviewer, National Science Foundation
Ad-hoc Reviewer	Science, Advances in Methods and Practices in Psychological Science, BMC Medical Research Methodology, Behavioral Research Methods, Frontiers in Psychology: Quantitative Psychology and Measurement, Journal of Modern Applied Statistical Methods, Journal of Psychoeducational Assessment, Journal of the Royal Statistical Society, Multivariate Behavioral Research, Psychometrika, Statistics in Medicine, Structural Equation Modeling, Psychological Assessment, Psychological Methods, Developmental Psychology, Additive Behaviors, Journal of Obsessive-Compulsive and Related Disorders, Administration and Policy in Mental Health and Mental Health Services Research, Asia Pacific Education Review, Learning and Individual Differences, PLOS ONE, Social Behavior and Personality, Vulnerable Children and Youth Studies, Patient-Centered Outcomes Research Institute, SAGE Publishing, Revista Latinoamericana de Psicología

FORDHAM UNIVERSITY

2024 - Present	Member, Endowed Anastasi Chair Search Committee
Fall 18, Fall 19- Present	Moderator, Psychometric Topics Seminar
2019 - 2024	Director, Psychometrics and Quantitative Psychology Ph.D. Program
2023 - 2024	Member, Endowed Anastasi Chair Search Committee
2023 - 2024	Chair, Psychometrics and Quantitative Psychology Faculty Search Committee

Spring 2023	Invited Speaker, Development and University Relations (DAUR) Lunch and Learn Series
2022-2023	Program Committee Member, 2023 Fordham Data Science Symposium: Doing Good with Data
2022	Member, Fordham University Fulbright Campus Review Committee
Spring 2019	Interim Director, Psychometrics and Quantitative Psychology Ph.D. Program
2020 - 2022	Member, Psychology Department Diversity, Equity, and Inclusion (DEI) Advisory Council
2015 - 2022	Chair, Undergraduate Statistics Course Lab Manual
2013 - 2021	Member, Applied Psychological Methods MS Program Advisory Committee
2017 - 2020	Chair, Arts & Science Council Faculty Evaluation Committee
2013 - 2018	Member, Psychometrics and Quantitative Psychology Ph.D. Program
2014 - 2018	Member, Faculty Merit Committee
2017 - 2018	Member, Psychometrics and Quantitative Psychology Faculty Search Committee
2018 - 2019	Member, Clinical Psychology Faculty Search Committee
2016 - 2017	Member, Clinical Psychology Faculty Search Committee
2015 - 2016	Member, Psychometrics and Quantitative Psychology Faculty Search Committee
2014 - 2016	Member, Arts & Science Council Faculty Evaluation Committee
2014 - 2015	Member, Applied Developmental Psychology Faculty Search Committee
2014	Member, Core Sequence Review Committee

PROFESSIONAL AFFILIATIONS

2017 - 2019, 2021 - Present	Member, American Psychological Association Division 5
2016 - 2019, 2021 - Present	Member, American Psychological Association
2018 - 2022	Member, Association for Psychological Science