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Psychology (L-PY 151.06)

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## Background

### Education

- Graduate Diploma in Computer Science, Concordia University, Montreal (2001)
- PhD in Psychology, Wayne State University, Detroit (1984, APA-Accredited Clinical Psychology Training Program)
- MA in Psychology, Wayne State University (1982)
- BS in Psychology, Alma College, Alma, Michigan (1979)

### Positions

- Professor, tenured. Psychology, Concordia University (May 2010-present)
- Associate Professor, tenured. Psychology, Concordia University (May 1994-present)
- Associate Professor, tenure-track. Psychology, Concordia University (Jun 1991–May 1994)
- Assistant Professor, tenure-track. Psychology, Concordia University (Aug 1987–Jun 1991)
- Assistant Professor, tenure-track. Psychology, University of Saskatchewan (Sep 1985–Aug 1987)
- Lecturer. Psychology, University of Michigan-Dearborn (Dec 1984–May 1985)
- Lecturer. Psychology, Wayne State University (Sep 1981–Dec 1983)

## Teaching Experience

### Graduate

Psychological Assessment (Child, Adult); Psychopathology, (Child, Adult); Family Therapy; Univariate Statistics; Multivariate Statistics (General Linear Model); Structural Equation Modeling; Measurement Theory; Psychotherapy Practicum; Assessment Practicum

### Undergraduate

Introduction to Programming; Abnormal Psychology; Schizophrenia and Neurocognitive Disorders; Developmental Psychology; Psychological Measurement and Psychometrics; Personality Theory; Introductory Statistics; Advanced Statistics; Honours Seminar; Honours Thesis

## Books

- Kline, R. B. (2023). *Principles and practice of structural equation modeling* (5th ed.). Guilford Press.
- Kline, R. B. (2020). *Becoming a behavioral science researcher: A guide to producing research that matters* (2nd ed.). Guilford Press.
- Kline, R. B. (2019). 구 조방정식모형 (*Principles and Practice of Structural Equation Modeling*, 4th ed., Korean trans.). Hakjisa.
- Kline, R. B. (2016). *Principles and practice of structural equation modeling* (4th ed.). Guilford Press.
- Kline, R. B. (2013). *Beyond significance testing: Statistics reform in the behavioral sciences* (2nd ed.). American Psychological Association.
- Kline, R. B. (2011). *Principles and practice of structural equation modeling* (Rev. 3rd ed.). Guilford Press.
- Kline, R. B. (2010). *Principles and practice of structural equation modeling* (3rd ed.). Guilford Press.
- Kline, R. B. (2010). 구 조방정식모형. (*Principles and practice of structural equation modeling*, 3rd ed., Korean trans.). Hakjisa.
- Kline, R. B. (2009). *Becoming a behavioral science researcher: A guide to producing research that matters*. Guilford Press.
- Kline, R. B. (2005). *Principles and practice of structural equation modeling* (2nd ed.). Guilford Press.
- Kline, R. B. (2004). *Beyond significance testing: Reforming data analysis methods in behavioral research*. American Psychological Association.
- Kline, R. B. (1998). *Principles and practice of structural equation modeling* (1st ed.). Guilford Press.
- Lachar, D., Wingefeld, S., Kline, R. B., & Gruber, C. P. (2000). *Manual for Student Behavior Survey (SBS)*. Western Psychological Services.

### Reviews of Books

- Bauer, J. (2004). Review of the book *Beyond significance testing: Reforming data analysis methods in behavioral research*. *Society for Research on Nicotine and Tobacco Newsletter*, 10(3), 8.
- Beaubien, J. M. (2000). Review of the book *Principles and practice of structural equation modeling*. *Personnel Psychology*, 53, 793–795.
- Card, N. A. (2005). An accessible introduction to structural equation modeling [Review of the book *Principles and practice of structural equation modeling*]. Retrieved July 22, 2005 from PsycCRITIQUES, <http://www.psycinfo.com/psyccritiques/display/?artid=20051707>
- Ginestet, C. (2006). A surprisingly good read. [Review of the book *Principles and practice of structural equation modeling*]. *The Psychologist*, 19(2), 100. [British Psychological Society]
- Glaser, D. (2000). Review of the book *Principles and practice of structural equation modeling*. *Structural Equation Modeling*, 7(3), 489–495.
- Glaser, D. (2002). Structural equation modeling texts: A primer for the beginner. *Journal of Clinical Child Psychology*, 31(4), 573–578.
- Klein, D. F. (2005). Review of *Beyond significance testing: Reforming data analysis methods in behavioral research*. *American Journal of Psychiatry*, 162, 643–644.
- Hayduk, L. (2019). Review essay on Rex B. Kline's *Principles and Practice of Structural Equation Modeling: Encouraging a fifth edition*. *Canadian Studies in Population*,

- 45, 154–178.
- Henson, R.K. (2006). Review of *Beyond significance testing: Reforming data analysis methods in behavioral research*. *Applied Psychological Measurement*, 30, 452–455.
- Lambert, L. S. (2007). Review of *Beyond significance testing: Reforming data analysis methods in behavioral research*. *Organizational Research Methods*, 10, 59–61.
- Maiti, T. (2006). Review of the book *Principles and practice of structural equation modeling*. *Journal of the American Statistical Association*, 101, 406.
- Martynova, E., West, S. G., & Liu, Y. (2018). Review of *Principles and practice of structural equation modeling*. *Structural Equation Modeling*, 25, 325–329.
- Millman, E. J. (1998). Review of the book *Principles and practice of structural equation modeling*. *Readings: A Journal of Reviews and Commentary in Mental Health*, 13(4), 23.
- Pitz, G. (2013). Review of the book *Beyond significance testing: statistics reform in the behavioral sciences* (2nd ed.). *PsycCRITIQUES*, 58, Release 32, Article 2. Retrieved from <http://www.apa.org/pubs/databases/psyccritiques/index.aspx>
- Santor, D. (1999). Review of Kelloway (1998), *Using LISREL for structural equation modeling*; and Kline (1998), *Principles and practice of structural equation modeling*. *Canadian Psychology*, 40, 381–383.
- Sharpe, D. (2004). Review of the book *Beyond significance testing: Reforming data analysis methods in behavioral research*. *Canadian Psychology*, 45, 317–319.
- Steiger, J. H. (2001). Driving fast in reverse: The relationship between software development, theory, and education in structural equation modeling. *Journal of the American Statistical Association*, 96, 331–338.
- Verkuilen, J. (2011). A comparative review of four structural equation modeling books. *Journal of Educational and Behavioral Statistics*, 36, 832–834.
- Wagenmakers, E.-J. (2016). Reviews of books and teaching materials. *American Statistician*, 70, 271–273. <https://doi.org/10.1080/00031305.2016.1185863>
- Wieth, M. (2009). Teaching the researchers of tomorrow: A look at what matters [Review of the book *Becoming a behavioral science researcher: A guide to producing research that matters*]. *PsycCRITIQUES*, 54(25), Article 3.

## Chapters

- Goodboy, A. K., & Kline, R. B. (in press). Statistical mediation analysis for communication science. In P. J. Shultz & P. Coble (Eds.), *Quantitative research methods in communication science*. De Gruyter.
- Kline, R. B. (in press). Structural equation modeling done right. In P. J. Shultz & P. Coble (Eds.), *Quantitative research methods in communication science*. De Gruyter.
- Kline, R. B. (2023). Structural equation modeling. In A. Nichols & J. Edlund (Eds.), *The Cambridge handbook of research methods and statistics for the social and behavioral sciences* (Vol. 1, pp. 535–558). Cambridge University Press. <https://doi.org/10.1017/9781009010054.026>
- Kline, R. B. (2023). Assumptions in structural equation modeling. In R. Hoyle (Ed.), *Handbook of structural equation modeling* (2nd ed.) (pp. 128–144). Guilford Press.
- Kline, R. B. (2023). Questionable practices in statistical analysis. In H. Cooper, M. Coutanche, L. McMullen, A. Panter, D. Rindskopf, & K. J. Sher (Eds.), *APA handbook of research methods in psychology* (2nd ed., Vol. 3) (pp. 1–17). American Psychological Association.
- Kline, R. B. (2023). Structural equation modeling in neuropsychology research. In G. Brown, B. Crosson, K. Haaland, & T. King (Eds.), *APA handbook of*

- neuropsychology (Vol. 2) (pp 681–698). American Psychological Association.
- Kline, R. B. (2022). Psychometrics. In P. Atkinson, S. Delamont, M. Hardy, & M. Williams (Eds.), *SAGE research methods foundations*. SAGE Publications.  
<http://methods.sagepub.com/foundations/psychometrics>
- Kline, R. B. (2017). Mediation analysis in leadership studies: New developments and perspectives. In B. Schyns, R. J. Hall, & P. Neves (Eds.), *Handbook of methods in leadership research* (pp. 173–194). Northampton, MA: Elgar.
- Kline, R. B. (2015). Path models. In D. S. Dunn (Ed.), *Oxford bibliographies in psychology*. New York: Oxford University Press.
- Kline, R. B. (2013). Reverse arrow dynamics: Feedback loops and formative measurement. In G. R. Hancock and R. O. Mueller, (Eds.), *Structural equation modeling: A second course* (2nd ed.) (pp. 39–76). Greenwich, CT: Information Age Publishing.
- Kline, R. B. (2013). Exploratory and confirmatory factor analysis. In Y. Petscher, C. Schatsschneider, & D. L. Compton (Eds.), *Applied quantitative analysis in the social sciences* (pp. 171–207). Routledge.
- Kline, R. B. (2012). Assumptions of structural equation modeling. In R. Hoyle (Ed.), *Handbook of structural equation modeling* (pp. 111–125). New York: Guilford Press.
- Kline, R. B. (2011). Convergence of structural equation modeling and multilevel modeling. In M. Williams & W. P. Vogt (Eds.), *Handbook of methodological innovation* (pp. 562–589). Thousand Oaks, CA: Sage.
- Kline, R. B. (2010). Promise and pitfalls of structural equation modeling in gifted research. In B. Thompson & R. F. Subotnik (Eds.), *Methodologies for conducting research on giftedness* (pp. 147–169). Washington, DC: American Psychological Association.
- Kline, R. B. (2006). Reverse arrow-dynamics: Formative measurement models and feedback loops. In G. R. Hancock and R. O. Mueller (Eds.), *A second course in structural equation modeling* (pp. 43–68). Greenwich, CT: Information Age Publishing.
- Kline, R. B. (2001). Brief cognitive assessment of children: Review of instruments and recommendations for best practice. In J. J. W. Andrews, H. Janzen, & D. Saklofske (Eds.), *A handbook of psychological assessment* (pp. 103–132). San Diego: Academic Press.
- Lachar, D., & Kline, R. B. (1994). Personality Inventory for Children and Personality Inventory for Youth. In M. E. Mariush (Ed.), *The use of psychological testing for treatment planning and outcome assessment* (pp. 479–516). Hillsdale, NJ: Erlbaum.
- Lachar, D., Kline, R. B., & Boersma, D. (1986). The Personality Inventory for Children (PIC): Approaches to actuarial interpretation in clinic and school settings. In H. M. Knoff (Ed.), *The psychological assessment of child and adolescent personality* (pp. 273–308). New York: Guilford Press.

### Articles (Refereed Journals)

- Kline, R. B. (2024). How to evaluate local fit (residuals) in large structural equation models. *International Journal of Psychology*, 59(6), 1293–1306.  
<https://doi.org/10.1002/ijop.13252>
- Schuberth, F., Rosseel, Y., Rönkkö, M., Trinchera, L., Kline, R. B., & Henseler, J. (2023).

- Structural parameters under partial least squares and covariance-based structural equation modeling: A comment on Yuan and Deng (2021). *Structural Equation Modeling*, 30(3), 339–345. <https://doi.org/10.1080/10705511.2022.2134140>
- Zhang, M. F., Dawson, J., & Kline, R. B. (2021). Evaluating the use of covariance-based structural equation modelling with reflective measurement in organisational and management research: A review and recommendations for best practice. *British Journal of Management*, 32(2), 257–272. <https://doi.org/10.1111/1467-8551.12415>
- Kline, R. B. (2020). Post *p* value education in graduate statistics: Preparing tomorrow's psychology researchers for a postcrisis future. *Canadian Psychology*, 61(4), 331–341. <https://doi.org/10.1037/cap0000200>
- Sauvé, G., Kline, R. B., Shah, J. L., Joober, R., Malla, A., Brodeur, M. B., & Lepage, M. (2019). Cognitive capacity similarly predicts insight into symptoms in first- and multiple-episode psychosis. *Schizophrenia Research*, 206, 236–243. <https://doi.org/10.1016/j.schres.2018.11.013>
- Appelbaum, M., Cooper, H., Kline, R. B., Mayo-Wilson, E., Nezu, A. M., & Rao, S. M., (2018). Journal article reporting standards for quantitative research in psychology: The APA Publications and Communications Board Task Force report. *American Psychologist*, 73(1), 3–25. <https://doi.org/10.1037/amp0000191>
- Kline, R. B. (2018). Response to Leslie Hayduk's review of Principles and Practice of Structural Equation Modeling, 4th edition. *Canadian Studies in Population*, 45(3–4), 154–178. <https://doi.org/10.25336/csp29418>
- Nicolakakis, N., Stock, S. R., Abrahamowicz, M., Kline, R., & Messing, K. (2017). Relations between work and upper extremity musculoskeletal problems (UEMSP) and the moderating role of psychosocial work factors on the relation between computer work and UEMSP. *International Archives of Occupational and Environmental Health*, 90(8), 751–764. <https://doi.org/10.1007/s00420-017-1236-9>
- Goodboy, A. K., & Kline, R. B. (2017). Statistical and practical concerns with published communication research featuring structural equation modeling. *Communication Research Reports*, 34(1), 1–10. <https://doi.org/10.1080/08824096.2016.1214121>
- Kline, R. B. (2015). The mediation myth. *Basic and Applied Social Psychology*, 37(4), 202–213. <https://doi.org/10.1080/01973533.2015.1049349>
- Kline, R. B. (2013). Assessing statistical aspects of test fairness in structural equation modeling. *Educational Research and Evaluation*, 19(2–3), 204–222. <https://doi.org/10.1080/13803611.2013.767624>
- Seffah, A., Donyaee, M., Kline, R., & Harkikat, K. P. (2006). Usability metrics and measurement: A consolidated model. *Software Quality Journal*, 14(2), 159–178. <https://doi.org/10.1007/s11219-006-7600-8>
- Kline, R., & Seffah, A. (2005). Evaluation of integrated software development environments: Challenges and results from three empirical studies. *International Journal of Human Computer Studies*, 63(6), 607–627. <https://doi.org/10.1016/j.ijhcs.2005.05.002>
- Kline, R. B. (2000). [Review of the book *Measurement and evaluation in psychology and education*, by R. M. Thorndike (1997)]. *Journal of Psychoeducational Assessment*, 18(2), 160–166. <https://doi.org/10.1177/073428290001800205>

- Pisecco, S., Lachar, D., Gruber, C. P., Gallen, R. T., Kline, R. B., & Huzinec, C. (1999). Development and validation of disruptive behavior scales for the Student Behavior Survey (SBS). *Journal of Psychoeducational Assessment, 17*(4), 314–331. <https://doi.org/10.1177/073428299901700402>
- Kline, R. B. (1999). [Review of the book *Psychometric theory*, by J. C. Nunnally & I. H. Bernstein (1994)]. *Journal of Psychoeducational Assessment, 17*(3), 275–280. <https://doi.org/10.1177/073428299901700307>
- Margolese, S. K., & Kline, R. B. (1999). Prediction of early reading success in multilingual children. *Canadian Journal of Behavioural Science, 31*(4), 209–216. <https://doi.org/10.1037/h0087089>
- Kline, R. B. (1998). [Review of the software Kaufman WISC-III Integrated Interpretive System (K-WIIS, Version 1.00), by A. S. Kaufman, N. L. Kaufman, E. H. Doughterty, & K. S. C. Tuttle]. *Journal of Psychoeducational Assessment, 16*(4), 365–384. <https://doi.org/10.1177/073428299801600408>
- Kline, R. B. (1998). Software programs for structural equation modeling: Amos, EQS, and LISREL. *Journal of Psychoeducational Assessment, 16*, 343–364. <https://doi.org/10.1177/073428299801600407>
- Wingenfeld, S. A., Lachar, D., Gruber, C. P., & Kline, R. B. (1998). Development of the teacher-informant Student Behavior Survey. *Journal of Psychoeducational Assessment, 16*(4), 226–249. <https://doi.org/10.1177/073428299801600304>
- Kline, R. B. (1996). Eight-month predictive validity and covariance structure of the Alcohol Expectancy Questionnaire for Adolescents (AEQ-A) for junior high school students. *Journal of Studies on Alcohol, 57*(4), 396–405. <https://doi.org/10.15288/jsa.1996.57.396>
- Kline, R. B., Snyder, J., & Castellanos, M. (1996). Lessons from the Kaufman Assessment Battery for Children (K-ABC): Toward a new assessment model. *Psychological Assessment, 8*(1), 7–17. <https://doi.org/10.1037/1040-3590.8.1.7>
- Kline, R. B. (1995). New objective rating scales for child assessment, II. Self-report scales: The Behavior Assessment System for Children, the Youth Self-Report, and the Personality Inventory for Youth. *Journal of Psychoeducational Assessment, 13*(2), 169–193. <https://doi.org/10.1177/073428299501300207>
- Kline, R. B. (1994). New objective rating scales for child assessment, I. Parent- and teacher-informant inventories: The Behavior Assessment System for Children, the Child Behavior Checklist, and the Teacher Report Form. *Journal of Psychoeducational Assessment, 12*(3), 289–306. <https://doi.org/10.1177/073428299401200309>
- Kline, R. B. (1994). [Review of the book *Handbook of psychological assessment*, by G. Goldstein & M. Hersen (Eds., 1990)]. *Journal of Psychoeducational Assessment, 12*(2), 180–185. <https://doi.org/10.1177/073428299401200208>
- Kline, R. B., Lachar, D., Gruber, C. P., & Boersma, D. C. (1994). Identification of special education needs with the Personality Inventory for Children (PIC): A profile-matching strategy. *Assessment, 1*(3), 301–313. <https://doi.org/10.1177/107319119400100310>
- Kline, R. B., Snyder, J., Guilmette, S., & Castellanos, M. (1994). Evaluation of the construct validity of the Kamphaus-Reynolds supplementary scoring system for the K-ABC. *Assessment, 1*(3), 219–226. <https://doi.org/10.1177/107319119400100301>
- Kline, R. B., & Canter, W. A. (1994). Can educational programs affect teenage drinking? A multivariate perspective. *Journal of Drug Education, 24*(2), 139–

149. <https://doi.org/10.2190/JF8X-Q6QY-W2T8-N7WB>
- Kline, R. B., Graham, S. A., & Lachar, D. (1993). Are IQ scores valid for poor readers? *Psychological Assessment*, 5(4), 400–407. <https://doi.org/10.1037/1040-3590.5.4.400>
- Kline, R. B., Lachar, D., & Boersma, D. C. (1993). Identification of special education needs with the Personality Inventory for Children (PIC): A hierarchical classification model. *Psychological Assessment*, 5(3), 307–316. <https://doi.org/10.1037/1040-3590.5.3.307>
- Kline, R. B., Snyder, J., Guilmette, S., & Castellanos, M. (1993). External validity of the Profile Variability Index (PVI) for the WISC-R, K-ABC, and Stanford-Binet: Another cul-de-sac. *Journal of Learning Disabilities*, 26(8), 557–567. <https://doi.org/10.1177/002221949302600809>
- Kline, R. B., Snyder, J., Guilmette, S., & Castellanos, M. (1992). Relative usefulness of elevation, variability, and shape information from WISC-R, K-ABC, and new Stanford-Binet profiles in predicting achievement. *Psychological Assessment*, 4(4), 426–432. <https://doi.org/10.1037/1040-3590.4.4.426>
- Kline, R. B., Guilmette, S., Snyder, J., & Castellanos, M. (1992). Relative cognitive complexity of the K-ABC and the WISC-R. *Journal of Psychoeducational Assessment*, 10(2), 141–152. <https://doi.org/10.1177/073428299201000207>
- Kline, R. B., & Lachar, D. (1992). Evaluation of age, sex, and race bias in the Personality Inventory for Children (PIC). *Psychological Assessment*, 4(3), 333–339. <https://doi.org/10.1037/1040-3590.4.3.333>
- Kline, R. B., Lachar, D., & Gdowski, C. L. (1992). Clinical validity of a Personality Inventory for Children (PIC) profile typology. *Journal of Personality Assessment*, 58(3), 591–605. [https://doi.org/10.1207/s15327752jpa5803\\_13](https://doi.org/10.1207/s15327752jpa5803_13)
- Lacombe, J. A., Kline, R. B., Lachar, D., Butkus, M., & Hillman, S. B. (1991). Case history correlates of a Personality Inventory for Children profile typology. *Psychological Assessment*, 3(4), 678–687. <https://doi.org/10.1037/1040-3590.3.4.678>
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- Kline, R. B. (1990). The relation of alcohol expectancies to drinking patterns among alcoholics: Generalization across gender and race. *Journal of Studies on Alcohol*, 51(2), 175–182. <https://doi.org/10.15288/jsa.1990.51.175>
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- Glaros, A. G., & Kline, R. B. (1988). Understanding the accuracy of tests with cutting scores: The sensitivity, specificity, and predictive value model. *Journal of Clinical Psychology*, 44(6), 1013–1023. [https://doi.org/10.1002/1097-4679\(198811\)44:6<1013::AID-JCLP2270440627>3.0.CO;2-Z](https://doi.org/10.1002/1097-4679(198811)44:6<1013::AID-JCLP2270440627>3.0.CO;2-Z)
- Kline, R. B. (1988). Methodological considerations in evaluation of diagnosis-parent checklist convergence. *Journal of Abnormal Child Psychology*, 16(3), 289–298. <https://doi.org/10.1007/BF00913801>
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- Kline, R. B., Canter, W. A., & Robin, A. (1987). Parameters of teenage alcohol use: A path-analytic conceptual model. *Journal of Consulting and Clinical Psychology*, 55(4), 521–528. <https://doi.org/10.1037/0022-006X.55.4.521>
- Kline, R. B., Lachar, D., & Boersma, D. C. (1987). A Personality Inventory for Children (PIC) Typology: III. Relationship to cognitive functioning and special education placement. *Journal of Psychoeducational Assessment*, 5(4), 327–339.  
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- Kline, R. B., Lachar, D., & Gdowski, C. L. (1987). A Personality Inventory for Children (PIC) profile typology of children and adolescents: II. Classification rules and specific behavior correlates. *Journal of Clinical Child Psychology*, 16(3), 225–234. [https://doi.org/10.1207/s15374424jccp1603\\_7](https://doi.org/10.1207/s15374424jccp1603_7)
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- Lachar, D., Kline, R. B., & Gdowski, C. L. (1987). Respondent psychopathology and interpretive accuracy of the Personality Inventory for Children (PIC): The evaluation of a “most reasonable assumption.” *Journal of Personality Assessment*, 51(2), 165–177. [https://doi.org/10.1207/s15327752jpa5102\\_1](https://doi.org/10.1207/s15327752jpa5102_1)
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- Kline, R. B., Lachar, D., & Sprague, D. (1985). The Personality Inventory for Children (PIC): An unbiased predictor of cognitive and academic status. *Journal of Pediatric Psychology*, 10(4), 461–477. <https://doi.org/10.1093/jpepsy/10.4.461>
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- Snyder, D. K., Kline, R. B., & Podany, E. C. (1985). A comparison of external correlates of MMPI substance abuse scales across sex and race. *Journal of Consulting and Clinical Psychology*, 53(4), 520–525. <https://doi.org/10.1037/0022-006X.53.4.520>

### **Presentations (Refereed Conferences)**

- Ramil, J., McGrath, J.J., Kline, R., Henderson, M., & Mathieu, M-E. (2018). Actigraph placement and sleep: A psychometric comparison in children. *Psychophysiology*, 55(Supp 1), S60. Published abstract. Poster presented at the Society of Psychophysiological Research Annual Meeting, Quebec, QC, October 3, 2018.
- Kline, R. B. (2005, June). *Collapsing the black hole of psychology research: Cognitive distortions and growing up*. 66th Annual Convention of the Canadian Psychological Association, Montréal, Québec.
- Naghshin, R., Seffah, A., & Kline, R. (2003, November). *Cognitive walkthrough +*

- personae = an empirical infrastructure for modeling software developers.* Paper presented at the 2003 IEEE Symposia on Human Centric Computing Languages and Environments, Auckland, New Zealand.
- Seffah, A., Kline, R., & Donayee, M. (2002, October). *An integrated framework for usability measurement.* 12th Internal Conference on Software Quality, Ottawa, Ontario.
- Seffah, A., & Kline, R. (2002, October). *Empirical study of software developers' experiences.* Eighth IEEE Workshop on Empirical Studies of Software Maintenance (WESS '02), Montreal, Quebec.
- Kline, R., Seffah, A., Javahery, H., Donayee, M., & Rilling, J. (2002, September). *Quantifying developer experiences via heuristic and psychometric evaluation.* *Proceedings of the IEEE Symposia on Human Centric Computing Languages and Environments (HCC 2002)*, Arlington, VA, pp. 34–36.
- Pisecco, S., Lachar, D., Gruber, C. P., Gallen, R. T., Kline, R. B., & Huzinec, C. (August, 1999). *Disruptive behavior scales for the Student Behavior Survey (SBS).* 107th Annual Meeting of the American Psychological Association, Boston.
- Kline, R. B. (1998, August). *Application of validity scales in the search for accurate interpretation.* Presented at the 106th Annual Meeting of the American Psychological Association, San Francisco.
- Wingenfeld, S. A., Lachar, D., Gruber, C. P., & Kline, R. B. (1997, August). *Development of the School Behavior Survey.* Presented at the 105th Annual Meeting of the American Psychological Association, Chicago.
- Lachar, D., Kline, R. B., Green, A., & Gruber, C. (1996, August). *Contribution of self-report to PIC profile type interpretation.* Presented at the 104th Annual Meeting of the American Psychological Association, Toronto.
- Margolese, S. K., & Kline, R. B. (1996, August). *Prediction of early reading success in multilingual children.* Presented at the 104th Annual Meeting of the American Psychological Association, Toronto.
- Kline, R. B. (1995, August). *Alcohol Expectancy Questionnaire validity for junior high school students.* Presented at the 103rd Annual Meeting of the American Psychological Association, New York.
- Kline, R. B. (1994, August). *Validity of a math skills pretest for introductory statistics.* Presented at the 102nd Annual Meeting of the American Psychological Association, Los Angeles.
- Guilmette, S., & Kline, R. B. (1993, August). *External correlates of performance speed from children's cognitive ability tasks.* Presented at the 101st Annual Meeting of the American Psychological Association, Toronto.
- Kline, R. B., Snyder, J., Guilmette, S., & Castellanos, M. (1992, August). *WISC-R, K-ABC, and Stanford-Binet profile variability: Another validity cul-de-sac.* Presented at the 100th Annual Meeting of the American Psychological Association, Washington, DC.
- Kline, R. B., Snyder, J., Guilmette, S., & Castellanos, M. (1992, August). *Validity of the Kamphaus-Reynolds K-ABC supplementary scoring system.* Presented at the 100th Annual Meeting of the American Psychological Association, Washington, DC.
- Kline, R. B., & Lachar, D. (1991, August). *Personality Inventory for Children (PIC): An unbiased predictor of adjustment.* Presented at the 99th Annual Meeting of the American Psychological Association, San Francisco.
- Kline, R. B., Lachar, D., & Boersma, D. C. (1991, August). *Use of the Personality*

- Inventory for Children (PIC) for cognitive ability screening in schools.* Presented at the 99th Annual Meeting of the American Psychological Association, San Francisco.
- Graham, S. A., & Kline, R. B. (1991, August). *IQ differences among poor readers: Do they matter?* Presented at the 99th Annual Meeting of the American Psychological Association, San Francisco.
- Graham, S. A., & Kline, R. B. (1991, April). *Phonological recoding in good and poor readers.* Presented at the 1991 Society for Research in Child Development Meeting, Seattle.
- Kline, R. B., & Lachar, D. (1990, August). *Convergence of parent, clinician, and teacher ratings of referred children.* Presented at the 98th Annual Meeting of the American Psychological Association, Boston.
- Kline, R. B., & Snyder, J. (1990, August). *Convergent/discriminant validity of the WISC-R, K-ABC, and Stanford-Binet.* Presented at the 98th Annual Meeting of the American Psychological Association, Boston.
- Graham, S. A., & Kline, R. B. (1990, June). *Are IQ scores relevant in classifying poor readers?* Presented at the Annual Meeting of the Canadian Psychological Association, Vancouver.
- Glaros, A. G., & Kline, R. B. (1989, August). *Do clinical trainees consider base rates when evaluating test results?* Presented at the 97th Annual Meeting of the American Psychological Association, New Orleans.
- Kline, R. B. (1989, August). *The new Stanford-Binet is not a four-factor test.* Presented at the 97th Annual Meeting of the American Psychological Association, New Orleans.
- Kline, R. B., & Canter, W. A. (1989, August). *Can education reduce teenage drinking? A multivariate perspective.* Presented at the 97th Annual Meeting of the American Psychological Association, New Orleans (Science Weekend presentation).
- Kline, R. B., & Gordon, R. B. (1988, August). *Cognitive complexity analysis of the Kaufman Assessment Battery for Children (K-ABC).* Presented at the 96th Annual Meeting of the American Psychological Association, Atlanta.
- Roth, I. E., & Kline, R. B. (1988, May). *A longitudinal study of the cognitive development of Down Syndrome children.* Presented at the 1st Annual Meeting of the National Down Syndrome Symposium, Ottawa.
- Kline, R. B., Maltz, A., Lachar, D., Spector, S., & Fischhoff, J. (1987, August). *Differentiation of infantile autistic, child-onset pervasive developmental disorder, and mentally retarded children with the Personality Inventory for Children (PIC).* Presented at the 95th Annual Meeting of the American Psychological Association, New York.
- Lacombe, J., Kline, R. B., Lachar, D. (1987, August). *A Personality Inventory for Children (PIC) typology: Case record analysis for Profile Types 1, 3, and 4.* Presented at the 95th Annual Meeting of the American Psychological Association, New York.
- Gordon, R. B., & Kline, R. B. (1987, June). *Construct validity of the Kaufman Assessment Battery for Children (K-ABC) and the Fourth Edition Stanford-Binet with two populations of referred children.* Presented at the Annual Meeting of the Canadian Psychological Association, Vancouver.
- Kulak, A. G., & Kline, R. B. (1987, June). *Educational modification of cognitive alcohol expectancies.* Presented at the Annual Meeting of the Canadian

- Psychological Association, Vancouver.
- McLaren, B., & Kline, R. B. (1987, June). *External validation of the Alcohol Expectancy Questionnaire for Adolescents (AEQ-A) with junior and senior high school students*. Presented at the Annual Meeting of the Canadian Psychological Association, Vancouver.
- Roth, I. E., & Kline, R. B. (1987, June). *Assessment of Down Syndrome children: Stability and predictive validity of developmental quotients*. Presented at the Annual Meeting of the Canadian Psychological Association, Vancouver.
- Kline, R. B. (1986, June). *Empirical alternative to psychiatric diagnosis for children: Validation research on a PIC profile typology*. Presented at the Annual Meeting of the Canadian Psychological Association, Toronto.
- Kline, R. B., & Kulak, A. G. (1986, June). *Comparison of drinking behavior correlates of cognitive alcohol expectancies across sex and race*. Presented at the Annual Meeting of the Canadian Psychological Association, Toronto.
- Kline, R. B., Maltz, A., Lachar, D., Spector, S., & Fischhoff, J. (1986, April). *Psychometric differentiation of developmentally impaired children*. Presented at the Annual Psychiatric Research Unit Conference, Saskatoon.
- Kline, R. B., Lachar, D., & Boersma, D. C. (1985, August). *A Personality Inventory for Children (PIC) typology: Relationship to cognitive functioning and classroom placement*. Presented at the 93rd Annual Meeting of the American Psychological Association, Los Angeles.
- Gdowski, C. L., Lachar, D., & Kline, R. B. (1984, August). *A cluster-analytically-derived typology for the Personality Inventory for Children (PIC)*. Presented at the 92nd Annual Meeting of the American Psychological Association, Toronto.
- Kline, R. B., Lachar, D., & Gdowski, C. L. (1984, August). *A Personality Inventory for Children (PIC) typology: Comparison with psychiatric diagnosis*. Presented at the 92nd Annual Meeting of the American Psychological Association, Toronto.
- Kline, R. B., & Snyder, D. K. (1982, August). *Male and female alcoholic MMPI subtypes: Relationship to drinking patterns*. Presented at the 90th Annual Meeting of the American Psychological Association, Washington, D.C.

### **Invited Seminars, Colloquia, and Continuing Education**

- SEM Done Right*. Statistical Horizons, November 9–11, 2023; October 17–19, 2024.
- So,  $p < .05$  is bad. Now what?* McGill University, Psychology, October 10, 2019.
- Mediation Analysis in Cross-Sectional Designs*. La Société Statistique de Montréal (SSM) et Collectif pour le développement et les applications en mesure at évaluation de la Faculté des sciences de l'éducation de l'UQÀM, March 16, 2018.
- New developments in mediation analysis*. SSM et Collectif pour le développement et les applications en mesure at évaluation de la Faculté des sciences de l'éducation de l'UQÀM, November 25, 2016.
- Advanced topics in structural equation modeling*. Quebec Inter-University Centre for Social and Statistics (QICSS), Montréal, August 27–29, 2024; May 13–15, 2019; April 25–27, 2016; April 27–29, 2015; May 12–14, 2014; May 8–19, 2013; May 14–16, 2012.
- Introduction to structural equation modeling*. QICSS, Montréal, May 1–3, 2023; May 6–10, 2019; May 14–18, 2018; April 17–21, 2017; April 18–22, 2016; April 20–24, 2015; April 28–May 2, 2014; April 22–26, 2013; February 20–24, 2012; May 2–6,

- 2011; February 21–25, 2011; May 17–24, 2010; February 22–26, 2010; May 25–29, 2009; June 9–13, 2008; December 1–5, 2008; May 22–25, 2007.
- Living statistics reform*. SSM et Collectif pour le développement et les applications en mesure et évaluation de la Faculté des sciences de l'éducation de l'UQAM, March 24, 2016.
- Becoming a behavioral science researcher*. Southwest Educational Research Association, Presidential invited address, February 10, 2016.
- Hello, statistics reform*. Colloquium presented at the Nebraska Academy for Methodology, Analytics and Psychometrics, University of Lincoln–Nebraska, Nov 10, 2015; School of Psychology, University of Ottawa, Sept 25, 2014; Department of Psychology, Concordia University, Sept 26, 2013.
- New developments in structural equation modeling*. Methodology, Analytics & Psychometrics Academy, University of Nebraska–Lincoln. Nov 10, 2014
- Structural equation modeling*. Istanbul Quantitative Lectures, School of Business, Istanbul University, July 6–11, 2015; August 25–31, 2014; July 1–12, 2013.
- Introduction to structural equation modeling*. Portland State University, Summer Quantitative Methods Series, Portland, OR, June 16–17, 2014; June 15–16, 2012.
- Structural equation modeling*. Axe Santé des populations et pratiques optimales en santé, Centre de recherche du CHU de Québec, Université Laval, October 28–29, 2013, October 28–29, 2013.
- Structural equation modeling*. Ted Rogers School of Management, Ryerson University, May 13–14, 2013.
- Effect size estimation*. Centre for Research in Human Development, Concordia University, Montréal, February 12, 2010.
- Structural equation modeling and multilevel modeling*. Sprott School of Business, Carleton University, Ottawa, August 25–28, 2008.
- Advanced methods in structural equation modeling*. Interdisciplinary Capacity Enhancement Team, Department of Psychology, Concordia University, Montréal, June 18, 2008.
- Introduction to structural equation modeling*. Sprott School of Business, Carleton University, Ottawa, August 7–10, 2007.
- Advanced methods in structural equation modeling*. Seven hours continuing education credit, American Psychological Association Continuing Education Series. San Francisco, August 17, 1998.
- Breaking the tyranny of significance testing: Indexes of effect size*. Four hours continuing education credit, American Psychological Association Continuing Education series. San Francisco, August 14, 1998; Chicago, August 16, 1997; Toronto, August 9, 1996; New York, August 12, 1995; Los Angeles, August 12, 1994.
- Path analysis: From the ground-up*. Seven hours continuing education credit, American Psychological Association Continuing Education series. Toronto, August 11, 1996; New York, August 13, 1995; Los Angeles, August 13, 1994; Toronto, August 23, 1993.
- Introduction to psychometrics*. Alfred Adler Graduate School of Psychology. Montréal, October 4–6, 1996.
- Latent variable methods of data analysis: A survivor's guide for beginners*. Six hours continuing education credit, American Psychological Association Continuing Education series. San Francisco, August 17, 1991.
- Clinical interpretation of the Personality Inventory for Children (PIC)*. Sponsored by

Western Psychological Services. San Francisco, August 14–15, 1991.  
*Causal modeling and path analysis*. Sponsored by the Center for Research in Human Development, Concordia University. Montréal, September 8–9, 22, 1989.  
*Empirical alternatives to psychiatric diagnosis for children*. Canadian Psychological Association Convention. Toronto, June 27, 1987.  
*Introduction to the Kaufman Assessment Battery for Children (K-ABC): Development and interpretation*. Division of Psychiatry/Psychology, Children's Hospital of Michigan, Detroit, May, October 1984; Department of Psychology, Alvin Buckwald Centre, Saskatoon, November 1985.

## Editorial Boards

*American Psychologist*, Consulting Editor (January 2021–December 2024)  
*Anxiety, Stress, & Coping*  
*Basic and Applied Social Psychology*

## Ad hoc Journal or Publisher Reviewer

*AIS Enterprise Systems*  
*American Journal of Evaluation*  
*American Journal of Media Psychology*  
 American Psychological Association  
 Books  
 American Sociological Association  
*American Sociological Review*  
*Behavior Research Methods*  
*Biometrical Journal*  
 Brill (Netherlands)  
 Cambridge University Press  
*Canadian Journal of Behavioural Science*  
*Canadian Journal of Experimental Psychology*  
*Canadian Journal of School Psychology*  
*Canadian Psychology*  
*Cogent Education*  
*Current Alzheimer Research*  
*Data in Brief*  
*Ecology*  
*Ecosphere*  
*Education & Psychological Measurement*  
*Educational Research*  
*Ethnicity and Health*  
*European Journal of Psychology & Education*  
*Evolution*  
*Exercise and Performance Psychology*  
*Food Quality and Preference*  
*Frontiers in Psychiatry*  
*Health Psychology*  
*International Journal for the Psychology of Religion*

*International Journal of Assessment Tools in Education*  
*International Journal of Learner Corpus Research*  
*International Journal of Psychology*  
*International Journal of Quantitative Research in Education*  
*International Journal of Sociology*  
*Journal of Statistics and Data Science Education*  
*Journal of Communication Studies*  
*Journal of Contingencies and Crisis Management*  
*Journal of Integrative Environmental Sciences*  
*Journal of Leisure Studies*  
*Journal of Nursing Management*  
*Journal of Psychoeducational Assessment*  
*Journal of Statistical Computation and Simulation*  
*Journal of Statistics and Data Science Education*  
*Journal of the International Neuropsychological Society*  
*Journal of the National Medical Association*  
*Journal of the Moffitt Cancer Center*  
*Journal of the National Medical Association*  
*Land Use Policy*  
*Measurement*  
*Methodological Innovations*  
*Multivariate Behavioral Research*  
*Open Journal of Statistics*

*Organizational Research Methods*  
Oxford University Press  
*PeerJ*  
*Personality Science*  
*PLoS One*  
*Political Research Quarterly*  
*Proceedings B*  
*Psychological Assessment*  
*Psychological Methods*  
*Psychological Reports*  
*Psychometrika*  
*Psycho-Oncology*  
*Quality of Life Research*  
Sage Publications UK, US  
*Scientific Studies of Reading*  
*Scientific Reports*  
*Sociological Methodology*  
*Sport*  
*Sport, Exercise, & Performance*  
*Psychology*  
*Statistical Papers*  
Wiley Books