
CURRICULUM VITAE

John R. Nesselroade

**Hugh Scott Hamilton Professor of Psychology (emeritus)
University of Virginia**

**Adjunct Professor of Human Development
The Pennsylvania State University**

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Personal Information

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Birthdate:

March 13, 1936

Family Status:

Married; Two children, two grand-children

Military Service:

United States Marine Corps (1954-1957)

Formal Education

B.S. Mathematics, 1961

Marietta College, Marietta, Ohio.

M.A. Psychology, 1965

University of Illinois, Urbana–Champaign, IL

Ph.D. Psychology, 1967

University of Illinois, Urbana–Champaign, IL

Academic Employment History

1966–1967: *Research Associate*, Laboratory of Personality and Group Analysis,
University of Illinois

1967–1969: *Research Associate*, Human Resources Research Institute, West Vir-
ginia University

1967–1970: *Assistant Professor of Psychology*, Department of Psychology, West
Virginia University

1970–1972: *Associate Professor of Psychology*, Department of Psychology, West
Virginia University

1972–1975: *Associate Professor of Human Development*, College of Human Devel-
opment, The Pennsylvania State University

1975–1984: *Professor of Human Development*, College of Human Development,
The Pennsylvania State University

1977–1980: *Professor-in-Charge of the Graduate Program in Human Development
and Family Studies*, The Pennsylvania State University

1980–1981: *Acting Associate Dean for Research and Graduate Study*, College of
Human Development, The Pennsylvania State University

1981– *Visiting Senior Fellow (Gastwissenschaftler)*, Max-Planck-Institute for Hu-
man Development and Education, Berlin, Germany

1984–1990: *Research Professor of Human Development*, College of Human Devel-
opment, The Pennsylvania State University

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- 1987–1988:** *Acting Head*, Department of Individual and Family Studies, The Pennsylvania State University
- 1988–1991:** *Director*, Center for Developmental and Health Research Methodology, College of Health and Human Development, The Pennsylvania State University
- 1990–1991:** *Distinguished Research Professor*, College of Health and Human Development, The Pennsylvania State University
- 1991–2011:** *Hugh Scott Hamilton Professor of Psychology*, Department of Psychology, University of Virginia
- 1994–1995:** *Acting Chair*, Department of Psychology, University of Virginia
- 2006–2007:** *Interim Director*, Institute on Aging, University of Virginia
- 2011–:** *Hugh Scott Hamilton Professor of Psychology (emeritus)*, Department of Psychology, University of Virginia
- 2012–:** *Adjunct Professor of Human Development*, College of Human Development, The Pennsylvania State University

Professional Memberships and Honors

- Honorary doctorate (Dr. rer. nat. h.c.), Humboldt University, Berlin, Germany, 2010
- American Association for the Advancement of Science Fellow
- American Psychological Society Charter Fellow
- American Psychological Association Fellow (Divisions 1, 3, 5, 7, 20)
 - *President of Division 20 (Adult Development and Aging), 1982-83*
 - *Distinguished Contribution Award Division 20 (Adult Development and Aging), 1994*
 - *Master Mentor Award of Division 20 (Adult Development and Aging), 2001*
 - *Samuel J. Messick Distinguished Scientific Contributions Award, Division 5 (Measurement and Evaluation), 2015*
- Gerontological Society of America Fellow
 - *Distinguished Career Contribution Award of Behavioral and Social Sciences Section of the Gerontological Society of America, 2003*

– *Robert W. Kleemeier Award, 2006*

- Society of Multivariate Experimental Psychology

- *Secretary-Treasurer, 1972-76*

- *Cattell Award for Distinguished Multivariate Behavioral Research, 1972*

- *President, 1999–2000*

- *Saul B. Sells Award for Distinguished Lifetime Achievement in Multivariate Experimental Psychology, 2003*

- *Jeffrey S. Tanaka Award for Outstanding Publication in Multivariate Behavioral Research* (Boker, S. M. & Nesselroade, J. R. (2002). A method for modeling the intrinsic dynamics of intraindividual variability: Recovering the parameters of simulated oscillators in multi-wave panel data. *Multivariate Behavioral Research*, **37**, 127–160.), *2003*.

- International Society for the Study of Behavioral Development

- Lecture Series

- *Henry A. Murray Lectures, Michigan State University, 1988*

- *Robert Wherry Lecture, The Ohio State University, 1999*

- *Kendon Smith Lectures, University of North Carolina-Greensboro, 2005*

- *Anastasi Lecture, Fordham University, 2013*

- Honorary Lifetime Associate, Center for Optimal Adult Development, 2013

Teaching Interests

- Lifespan development, temporal invariance, stability, and change in personality and ability dimensions
- Methodology of structuring and measuring change
- Multivariate analysis
- Developmental research methods

Publications

Journal Articles

Cattell, R. B., & Nesselroade, J. R. (1965). Untersuchung der inter-kulturellen Konstanz der Persönlichkeitsfaktoren im 16 P.F.-Test. *Psychologische Beitrage*, **8**, 502-515.

Cattell, R. B., & Nesselroade, J. R. (1967). Likeness and completeness theories examined by sixteen personality factor measures on stably and unstably married couples. *Journal of Personality and Social Psychology*, **7**, 351-361.

Cattell, R. B., & Nesselroade, J. R. (1968). Note on analyzing personality relations in married couples. *Psychological Reports*, **22**, 381-382.

Cattell, R. B., Balcar, K. R., Horn, J. L., & Nesselroade, J. R. (1969). Factor matching procedures: An improvement of the S index; with tables. *Educational and Psychological Measurement*, **29**, 781-792.

Baltes, P. B., & Nesselroade, J. R. (1970). Multivariate longitudinal and cross-sectional sequences for analyzing ontogenetic and generational change: A methodological note. *Developmental Psychology*, **2**, 163-168.

Nesselroade, J. R., & Baltes, P. B. (1970). On a dilemma of comparative factor analysis: A study of factor matching based on random data. *Educational and Psychological Measurement*, **30**, 935-948.

Cattell, R. B., Delhees, K. H., Tatro, D. F., & Nesselroade, J. R. (1971). Personality structure checked in primary objective test factors, for a mixed normal and psychotic sample. *Multivariate Behavioral Research*, **6**, 187-214.

Nesselroade, J. R., Baltes, P. B., & Labouvie, E. W. (1971). Evaluating factor invariance on oblique space: Baseline data generated from random numbers. *Multivariate Behavioral Research*, **6**, 233-241.

Baltes, P. B., & Nesselroade, J. R. (1972). Cultural change and adolescent personality development: An application of longitudinal sequences. *Developmental Psychology*, **7**, 244-256.

Baltes, P. B., Nesselroade, J. R., Schaie, K. W., & Labouvie, E. W. (1972). On the dilemma of regression effects in examining ability level-related differentials in ontogenetic patterns of intelligence. *Developmental Psychology*, **6**, 78-84.

Nesselroade, J. R. (1972). Note on the "longitudinal factor analysis model." *Psychometrika*, **37**, 187-191.

Nesselroade, J. R., Schaie, K. W., & Baltes, P. B. (1972). Ontogenetic and generational components of structural and quantitative change in adult behavior. *Journal of Gerontology*, **27**, 222-228.

Bartsch, T. W., & Nesselroade, J. R. (1973). Test of the trait-state anxiety distinction using a manipulative, factor-analytic design. *Journal of Personality and Social Psychology*, **27**, 58-64.

Fitzgerald, J. M., Nesselroade, J. R., & Baltes, P. B. (1973). Emergence of adult intellectual structure: Prior to or during adolescence? *Developmental Psychology*, **9**, 114-119.

Nesselroade, J. R. (1973). Faktorenanalyse von Kreuzprodukten zur Beschreibung von Veränderungsphanomenen (Change). *Zeitschrift für Experimentelle und Angewandte Psychologie*, **20**, 92-106.

Daly, D. L., Bath, K. E., & Nesselroade, J. R. (1974). On the confounding of inter- and intraindividual variability in examining change patterns. *Journal of Clinical Psychology*, **30**, 33-36.

Labouvie, E. W., Bartsch, T. W., Nesselroade, J. R., & Baltes, P. B. (1974). On the internal and external validity of simple longitudinal designs. *Child Development*, **45**, 282-290.

Nesselroade, J. R., & Cable, D. G. (1974). "Sometimes it's okay to factor difference scores"—the separation of trait and state anxiety. *Multivariate Behavioral Research*, **9**, 273-282.

Nesselroade, J. R., & Baltes, P. B. (1975). Higher order factor convergence and divergence of two distinct systems of personality: Cattell's HSPQ and Jackson's PRF. *Multivariate Behavioral Research*, **10**, 387-408.

Bath, K. E., Daly, D. L., & Nesselroade, J. R. (1976). Replicability of factors derived from individual P-technique analyses. *Multivariate Behavioral Research*, **11**, 147-156.

Cattell, R. B., & Nesselroade, J. R. (1976). The discovery of the anxiety state pattern in Q-data, and its distinction, in the LM model, from depression, effort stress, and fatigue. *Multivariate Behavioral Research*, **11**, 27-46.

Friel, J. C., & Nesselroade, J. R. (1976). Test of the replicability of Cattell's HSPQ factor structure, using item parcels. *Journal of Multivariate Experimental and Clinical Research*, **2**, 23-32.

Hultsch, D. F., Nesselroade, J. R., & Plemons, J. K. (1976). Learning-ability relations in adulthood. *Human Development*, **19**, 234-247.

Baltes, P. B., Nesselroade, J. R., & Cornelius, S. W. (1978). Multivariate antecedents of structural change in development: A simulation of cumulative environmental patterns. *Multivariate Behavioral Research*, **13**, 127-152.

Lebo, M. A., & Nesselroade, J. R. (1978). Intraindividual differences dimensions of mood change during pregnancy identified in five P-technique factor analyses. *Journal of Research in Personality*, **12**, 205-224.

Ellsworth, R. B., Collins, J. F., Casey, N. A., Schoonover, R. A., Hickey, R. H., Hyer, L., Twemlow, S. W., & Nesselroade, J. R. (1979). Some characteristics of effective psychiatric treatment programs. *Journal of Consulting and Clinical Psychology*, **47**, 799-817.

Baltes, P. B., Cornelius, S. W., Spiro, A., Nesselroade, J. R., & Willis, S. L. (1980). Integration versus differentiation of fluid/crystallized intelligence in old age. *Developmental Psychology*, **14**, 625-635.

Nesselroade, J. R., Stigler, S. M., & Baltes, P. B. (1980). Regression toward the mean and the study of change. *Psychological Bulletin*, **88**, 622-637.

Lachman, M. E., Baltes, P. B., Nesselroade, J. R., & Willis, S. L. (1982). Examination of personality-ability relationships in the elderly: The role of the contextual (interface) assessment mode. *Journal of Research in Personality*, **16**, 485-501.

Lerner, R. M., Palermo, M., Spiro, A., & Nesselroade, J. R. (1982). Assessing the dimensions of temperamental individuality across the life-span: The dimensions of temperament survey (DOTS). *Child Development*, **53**, 149-159.

Cornelius, S. W., Willis, S. L., Nesselroade, J. R., & Baltes, P. B. (1983). Convergence between attention variables and factors of psychometric intelligence in older adults. *Intelligence*, **7**, 253-269.

Baltes, P. B., & Nesselroade, J. R. (1984). Paradigm lost and paradigm regained: Critique of Dannefer's portrayal of life-span developmental psychology. *American Sociological Review*, **49**, 841-847.

Nesselroade, J. R. (1984). Concepts of intraindividual variability and change: Impressions of Cattell's influence on lifespan developmental psychology. *Multivariate Behavioral Research*, **19**, 269-286.

Nesselroade, J. R., Mitteness, L. S., & Thompson, L. K. (1984). Short-term changes in anxiety, fatigue, and other psychological states in older adulthood. *Research on Aging*, **6**, 3-23.

Collins, J. F., Ellsworth, R. B., Casey, N. A., Hyer, L., Hickey, R. H., Schoonover, R. A., Twemlow, S. W., & Nesselroade, J. R. (1985). Treatment characteristics of

psychiatric programs that correlate with patient community adjustment. *Journal of Clinical Psychology*, **41**, 299-308.

Nesselroade, J. R., & Ford, D. H. (1985). P-technique comes of age: Multivariate, replicated, single subject designs for research on older adults. *Research on Aging*, **7**, 46-80.

Cate, R. M., Huston, T. L., & Nesselroade, J. R. (1986). Premarital relationships: Toward the identification of alternative pathways to marriage. *Journal of Social and Clinical Psychology*, **4**, 3-22.

Nesselroade, J. R. (1986). Selection and generalization in investigations of interrelationships among variables: Some commentary on aging research. *Educational Gerontology*, **12**, 395-402.

Nesselroade, J. R., & McArdle, J. J. (1986). Multivariable causal modeling in alcohol research. *Social Biology*, **32**, 272-296.

Nesselroade, J. R., Pruchno, R., & Jacobs, A. (1986). Reliability and stability in the measurement of psychological states: An illustration with anxiety measures. *Psychologische Beitrage*, **28**, 255-264.

Roberts, M. L., & Nesselroade, J. R. (1986). Intraindividual variability in perceived locus of control in adults: P-technique factor analyses of short-term change. *Journal of Research in Personality*, **20**, 529-545.

Hertzog, C., & Nesselroade, J. R. (1987). Beyond autoregressive models: Some implications of the trait-state distinction for the structural modeling of developmental change. *Child Development*, **58**, 93-109.

Hooker, K. A., Nesselroade, D. W., Nesselroade, J. R., & Lerner, R. M. (1987). The structure of intraindividual temperament in the context of mother-child dyads: P-technique factor analysis of short term change. *Developmental Psychology*, **23**, 332-346.

Mitteneess, L. S., & Nesselroade, J. R. (1987). Attachment in adulthood: Longitudinal investigation of mother-daughter affective interdependencies by P-technique factor analysis. *The Southern Psychologist*, **3**, 37-44.

Nesselroade, J. R., Pedersen, N. L., McClearn, G. E., Plomin, R., & Bergeman, C. S. (1988). Factorial and criterion validities of telephone-assessed cognitive ability measures: Age and gender comparisons in adult twins. *Research on Aging*, **10**, 220-234.

Pedersen, N. L., Plomin, R., Nesselroade, J. R., McClearn, G. E., & Friberg, L. (1988). Neuroticism, extraversion, and related traits in adult twins reared apart and

reared together. *Journal of Personality and Social Psychology*, **55**, 950-957.

Plomin, R., McClearn, G. E., Pedersen, N. L., Nesselroade, J. R., & Bergeman, C. S. (1988). Genetic influences on childhood family environment perceived retrospectively from the last half of the life span. *Developmental Psychology*, **24**, 738-745.

Plomin, R., Pedersen, N. L., McClearn, G. E., Nesselroade, J. R., & Bergeman, C. S. (1988). EAS temperaments during the last half of the life span: Twins reared apart and twins reared together. *Psychology and Aging*, **3**, 43-50.

Schulenberg, J. E., Vondracek, F. W., & Nesselroade, J. R. (1988). Patterns of short-term changes in individuals' work values: P-technique factor analyses of intra-individual variability. *Multivariate Behavioral Research*, **23**, 377-395.

Pedersen, N. L., Gatz, M., Plomin, R., Nesselroade, J. R., & McClearn, G. E. (1989). Individual differences in locus of control during the second half of the lifespan: For identical and fraternal twins reared apart and reared together. *Journals of Gerontology: Psychological Sciences*, **44**, 100-105.

Plomin, R., McClearn, G. E., Pedersen, N. L., & J. R. Nesselroade (1989). Genetic influence on adults' ratings of their current family environment. *Journal of Marriage and the Family*, **51**, 791-803.

Bergeman, C. S., Plomin, R., Pedersen, N. L., McClearn, G. E., & Nesselroade, J. R. (1990). Genetic and environmental influences on social support: The Swedish adoption/twin study of aging. *Journals of Gerontology: Psychological Sciences*, **45**, 101-106.

Jones, C. J., & Nesselroade, J. R. (1990). Multivariate, replicated, single-subject designs and P-technique factor analysis: A selective review of intraindividual change studies. *Experimental Aging Research*, **16**, 171-183.

Plomin, R., Lichtenstein, P., Pedersen, N. L., McClearn, G. E., & Nesselroade, J. R. (1990). Genetic influence on life events during the last half of the life span. *Psychology and Aging*, **5**, 25-30.

Plomin, R., & Nesselroade, J. R. (1990). Behavior genetics and personality change. *Journal of Personality*, **58**, 191-220.

Jones, C. J., Nesselroade, J. R., & Birkel, R. C. (1991). Examination of staffing level effects in the family household: An application of P-technique factor analysis. *Journal of Environmental Psychology*, **11**, 59-73.

Nesselroade, J. R., & Jones, C. J. (1991). Multi-modal selection effects in the study of adult development: A perspective on multivariate, replicated, single-subject, repeated measures. *Experimental Aging Research*, **11**, 21-27.

Nesselroade, J. R., & Schaie, K. W. (1991). Exploring and confirming developmental trajectories: Some commentary on the Mulaik and Mumford exchange. *Human Development*, **34**, 180-183.

Raykov, T., Tomer, A., & Nesselroade, J. R. (1991). Reporting structural equation modeling results in psychology and aging: Toward a proposition of publication guidelines. *Psychology and Aging*, **6**, 499-503.

Pedersen, N. L., McClearn, G. E., Plomin, R., Nesselroade, J. R., Berg, S., & de Faire, U. (1991). The Swedish Adoption/Twin Study of Aging: An update. *Acta Geneticae Medicae et Gemellologiae*, **40**, 7-20.

Kleban, M. H., Lawton, M. P., Nesselroade, J. R., & Parmelee, P. (1992). The structure of variation in affect among depressed and nondepressed elders. *Journals of Gerontology: Psychological Sciences*, **47**, 190-198.

Harris, J. R., Pedersen, N. L., McClearn, G. E., Plomin, R., & Nesselroade, J. R. (1992). Age differences in genetic and environmental influences for health from the Swedish Adoption/Twin Study of Aging. *Journals of Gerontology: Psychological Sciences*, **47**, P213-P220.

Harris, J. R., Pedersen, N. L., Stacey, C., McClearn, G. E., & Nesselroade, J. R. (1992). Age differences in the etiology of the relationship between life satisfaction and self-rated health. *Journal of Aging and Health*, **4**, 349-368.

Gatz, M., Pedersen, N. L., Plomin, R., Nesselroade, J. R., & McClearn, G. E. (1992). The importance of shared genes and shared environments for symptoms of depression in older adults. *Journal of Abnormal Psychology*, **101**, 701-708.

von Eye, A., & Nesselroade, J. R. (1992). Types of change: Application of configural frequency analysis in repeated measurement designs. *Experimental Aging Research*, **18**, 169-183.

Pedersen, N. L., Plomin, R., Nesselroade, J. R., & McClearn, G. E. (1992). A quantitative genetic analysis of cognitive abilities during the second half of the life span. *Psychological Science*, **3**, 346-353.

Pedersen, N. L., McClearn, G. E., Plomin, R., & Nesselroade, J. R. (1992). Effects of early rearing environment on twin similarity in the last half of the life span. *British Journal of Developmental Psychology*, **10**, 255-267.

Plomin, R., Scheier, M. F., Bergeman, C. S., Pedersen, N. L., Nesselroade, J. R., & McClearn, G. E. (1992). Optimism, pessimism, and mental health: A twin/adoption analysis. *Personality and Individual Differences*, **13**, 921-930.

Chipuer, H. M., Plomin, R., Pedersen, N. L., McClearn, G. E., & Nesselroade,

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- J. R. (1993). Genetic influence on family environment: The role of personality. *Developmental Psychology*, **29**, 110-118.
- Nesselroade, J. R. (1993). Whether we Likert or not, personality measurement and the study of developmental change are demanding activities. *Psychological Inquiry*, **4**, 40-43.
- Berkman, L. F., Seeman, T. E., Albert, M., Blazer, D., Kahn, R., Mohs, R., Finch, C., Schneider, E., Cotman, C., McClearn, G., Nesselroade, J., Featherman, D., Garnezy, N., McKhann, G., Brim, G., Prager, D., & Rowe, J. (1993). High, usual and impaired functioning in community-dwelling older men and women: Findings from the MacArthur Foundation Research Network on Successful Aging. *Journal of Clinical Epidemiology*, **46**, 1129-1140.
- Nesselroade, J. R. (1994). Longitudinal research with chronic care populations: Some commentary. *Alzheimer Disease and Associated Disorders*, **8** (Suppl. 1), S299-S301.
- Corneal, S. E., & Nesselroade, J. R. (1994). A stepchild's emotional experience across two households: An investigation of response patterns by P-technique factor analysis. *Multivariate Experimental and Clinical Research*, **10**, 167-180.
- Nesselroade, J. R. & Thompson, W. W. (1995). Selection and related threats to group comparisons: An example comparing factorial structures of higher and lower ability groups of adult twins. *Psychological Bulletin*, **117**, 271-284.
- Nesselroade, J. R. (1995). "...and expectation fainted, longing for what it had not" Comments on Labouvie and Ruetsch's "Testing for Equivalence.." *Multivariate Behavioral Research*, **30**, 95-99.
- Nesselroade, J. R. (1995). Further comments on Labouvie and Ruetsch's "Testing for Equivalence of measurement scales." *Multivariate Behavioral Research*, **30**, 119-120.
- Nesselroade, J. R. (1995). "As the twig is bent, so grows the tree...sometimes" *Psychological Inquiry*, **6**, 343-348.
- Kim, J., Nesselroade, J. R., & Featherman, D. L. (1996). The state component in self-reported world views and religious beliefs of older adults: The MacArthur successful aging studies. *Psychology and Aging*, **11**, 396-407.
- Lawton, M. P., Parmelee, P. A., Katz, I. R., & Nesselroade, J. R. (1996). Affective states in normal and depressed people. *Journal of Gerontology: PSYCHOLOGICAL SCIENCES*, **51B**, P309-P316.
- Shifren, K., Hooker, K. A., Wood, P. K., & Nesselroade, J. R. (1997). The structure and variation of mood in individuals with Parkinson's Disease: A dynamic factor analysis. *Psychology and Aging*, **12**, 328-339.

Eizenman, D. R., Nesselroade, J. R., Featherman, D. L., & Rowe, J. W. (1997). Intra-individual variability in perceived control: The MacArthur Successful Aging Studies. *Psychology and Aging*, **12**, 489–502.

Lang, F. R., Featherman, D. L., & Nesselroade, J. R. (1997). Social self efficacy and short-term variability in social relationships: The MacArthur Successful Aging Studies. *Psychology and Aging*, **12**, 657–666.

Molenaar, P. C. M., & Nesselroade, J. R. (1998). A comparison of pseudo-maximum likelihood and asymptotically distribution-free dynamic factor analysis parameter estimation in fitting covariance structure models to block-Toeplitz matrices representing single-subject multivariate time-series. *Multivariate Behavioral Research*, **33**, 313–342.

Little, T., Lindenberger, U., & Nesselroade, J. R. (1999). On selecting indicators for multivariate measurement and modeling with latent variables. *Psychological Methods*, **4**, 192–211.

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Carstensen, L. L., Pasupathi, M., Mayr, U., & Nesselroade, J. R. (2000). Emotional experience in everyday life across the adult life span. *Journal of Personality and Social Psychology*, **79**, 644–655.

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Nesselroade, J. R. (2001). Intraindividual variability in development within and between individuals. *European Psychologist*, **6**, 187–193.

Salthouse, T. A., & Nesselroade, J. R. (2002). An examination of the Hofer and Sliwinski evaluation. *Gerontology*, **48**, 18–21.

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Kim, J. E., & Nesselroade, J. R. (2003). Relationships among social support, self–concept, and well–being of older adults: A study of process using dynamic factor models. *International Journal of Behavioral Development*, **27**, 49–65.

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Nesselroade, J. R., & Ram, N. (2004). Studying intraindividual variability: What we have learned that will help us understand lives in context. *Research in Human Development*, **1**, 9–29.

Nesselroade, J. R., & Salthouse, T. A. (2004). Methodological and theoretical implications of intraindividual variability in perceptual motor performance. *Journals of Gerontology: Psychological Sciences*, **59B**, P49–P55.

Chow, S–M., Nesselroade, J. R., Shifren, K., & McArdle, J. J., (2004). Dynamic structure of emotions among individuals with Parkinson’s disease. *Structural Equation Modeling*, **11**, 560–582.

Chow, S–M., & Nesselroade, J. R. (2004). General slowing or decreased inhibition? Mathematical models of age differences in cognitive functioning. *Journals of Gerontology: Psychological Sciences*, **59B**, P101–109.

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20, 623–633.

Ram, N., Chow, S-M, Bowles, R. P., Wang, L., Grimm, K., Fujita, F., & Nesselroade, J. R. (2005). Examining interindividual differences in cyclicity of pleasant and unpleasant affect using spectral analysis and item response modeling. *Psychometrika*, **70**, 773–790.

Salthouse, T. A., Nesselroade, J. R., & Berish, D. E. (2006). Short-term variability and the calibration of change. *Journal of Gerontology: Psychological Sciences*, **61**, 144–151.

Schindler, I., Staudinger, U. M., & Nesselroade, J. R. (2006). Development and structural dynamics of personal life investment in old age. *Psychology and Aging*, **21**, 737–753.

Hamaker, E. L., Nesselroade, J. R., & Molenaar, P. C. M. (2007). The integrated trait–state model. *Journal of Research in Personality*, **41**, 295–315.

Zhang, Z., Hamagami, F., Wang, L., Grimm, K. J., & Nesselroade, J. R. (2007). Bayesian analysis of longitudinal data using growth curve models. *International Journal for the Study of Behavioral Development*, **31**, 374–383.

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