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Liberal Arts and Sciences

Psychology

Ledyard R Tucker Papers, 1940-1988

Box 1:

Correspondence, A-Z

A, 1949-71

American Association for the Advancement of Science 1963 Symposium, 1963-64

American Journal of Psychology, 1969

Allison-Notes and Correspondence, 1955-60

Alonso, Alfredo O. Lopez, 1960

American Psychological Association Division 15, 1962, 1970

Appelbaum, Mark, 1966-70

Arabie, Phipps, 1980

B, 1951-87

Ball, Geoffrey, 1967-68

Bargmann, Rolf E., 1966-68, 1980

Bechtel, Gordon, 1969-71

Bell Telephone Laboratories, 1967-68

Bishop, Doyle, 1964-65

Black, Michael C., 1962-66

Bock, R. Darrell, 1963-68

Bryan, Glenn L., Office of Naval Research, 1965-67

Bunderson, C. Victor, 1950, 1965

C, 1949-71, 1979

Campbell, Donald T., 1959-62, 1969

Carlson, Alfred, 1964-66

Carroll, John B., 1957-65

Cattell, Raymond B., 1955-68, 1977

Cleary, Anne, 1961-70

Conger, Anthony J., 1965-77

Coombs, C. H., 1963

Cooper, Lee Gordon, 1966-70, 1979

Cooper, Leslie M., 1960-63

Crow, Lowell T., 1961-62

Cronbach, Lee J., 1962

Cusick, Thomas W., 1963-64

D, 1947-70

Damarin, Fred, 1963-69

Davison, Mark L., 1973-74

Delbeke, Luc, 1965-67

Dielman, Ted E., 1966
Drasgow, Fritz, 1976-80
Drasgow-Dorans Manuscripts, 1979
DuBois, Philip H., 1961-62
Dunn, Terry, 1973-76
E, 1949-70
Engelhart, Max D., 1955-60, 1968
F, 1949-73
Finkbeiner, Carl, 1974-77
Fleishman, Allen, 1976-78
Frankmann, Raymond, 1964-66
Frederiksen, Carl H., 1962-67, 1972-74
G, 1945-71
Groves, Curtis, 1961, 1975-78
Gulliksen, Harold, 1960-69, 1974
Guttman, Louis, 1953-54, 1960-62

Box 2:

Correspondence (continued)

H, 1950-70, 1979-80
Haley, John V., 1963-64
Hammond, Kenneth R., 1963-71
Harris, Chester, 1953-55, 1964-70, 1979
Harman, Harry H., 1965-69
Helm, Carl E., 1955, 1960, 1967
Herzberg, Paul A., 1964-69
Higgs, William, 1964-65
Hoffman, Edward L., 1961-72
Horst, Paul, 1954-55, 1962-64, 1970
Humphreys, Lloyd G., 1954-68
Hundleby, John D., 1963
Hunt, William, 1963-65
I, 1954-69, 1975
Ikeda, Hiroshi, 1960-68
Illini-Girl and Stenographic Bureau, 1970
Illinois Psychological Association, 1963-66
Psychological Registration Act--State of Illinois, 1963-65
Illinois Society for Medical Research, 1963-65
Indow, Tarow, 1965
Inn, Andres, 1970-75
J, 1954-70
Jaspens, Nathan, 1944, 1956-59

Johnson, Richard, 1963-64
Jöreskog, Karl, 1968
Journal of Experimental Psychology, 1968-69
K, 1949, 1957-70
Kaiser, Henry, 1959-69, 1976-77
Kelley, H. Paul, 1955-57, 1964-65
Koopman, Raymond, 1963-70
Korth, Bruce, 1972-79
Krauss, Bea, 1977-78
L, 1949-71, 1980
Larkin, Willard D., 1966-69
Laughlin, James, 1975-76
Lazarsfeld Colloquium, Feb. 24, 1967
Levin, Joseph, 1961-66
Lewis, Charles, 1970, 1975
Lin, Pang-Chieh, 1974-75
Linn, Robert L., 1964-70
Loevinger, Jane, American Psychological Association Division 5 Address, 1963
Lord, Frederic, 1963-74, 1979
Love, William, 1966-70
M, 1952-70, 1980
MacCallum, Robert C., 1970-79, 1986-87
Madansky, Al, 1959, 1965
Marjoribanks, Kevin: "Another View of the Relation of Environment to Mental Abilities:
A Reply," Journal of Educational Psychology, 1972-74
Mayeske, George, 1961-62
McCall, Robert B., 1964-74
McDonald, Roderick R., 1963-64
McKeon, James J., 1961-67, 1974
McKie, Douglas, 1962-69
Journal of Mathematical Psychology, 1964
Messick, Samuel, 1964-72
Mills, David, 1959-66
Montanelli, Rich, 1970
Moren, Richard I., 1961-64

Box 3:

Correspondence (continued)

N, 1949-70
National Science Foundation, 1970
Nesselrode, John, 1965-66, 1973
National Institute of Mental Health, 1961-65

Nicholson, George, Jr., 1953
Nygren, Thomas E., 1974-75
O, 1958-72
Olkin, Ingram, 1970
Oregon Research Institute, 1964
Owens, William, 1964-65
P, 1950-70
Pedersen, Dahrl M., 1960-71
Ping, Chieh-Min, 1973-76
Posavac, Emil J., 1968
Pratscher, George, 1975
Pratt, Robin Whitlock, 1965-68
Psychological Corporation, 1958
Psychological Review, 1960-64
Psychometric Corporation, 1952-68
Psychometric Society, 1961-73
Psychometrika, 1954-74 (2 folders)
McDonald Manuscript, 1971-73
Psychonomic Society, 1962-64
Publishers, 1961-68
Q, 1967-68
R, 1954-70, 1978
Richards, Larry G., 1964-74
Rodwan, Albert S., 1960-67
Rondonelli, Robert, 1973-76
Rumery, Robert E., 1964-67
Rummel, R. J., 1968-69
S, 1950-70
Samejima, Fumiko, 1965-69
Schoneman, Peter H., 1963-69
Scott, Keith G., 1969-72
Sheth, Jagdish N., 1969
Sigborn, Frances, 1961-62
Slotnik, Burton N., 1961-62
Slotnik, Lee N. (Kaufman), 1961-63
Snyder, Frank W., 1964-70
Soltz, Donald, 1961-65
Stake, Robert E., 1959-68
Steffy, Richard A., 1960-63
Stewart, Thomas R., 1968-70
T, 1948-74
Tatsuoka, Kikumi, 1974
Taylor, Peter, 1965-68
Terwilliger, James, 1960-66

Thurstone, Louis L., 1950-56
Tribute to--Invitational Conference, 1955
Book Committee, 1952-55
Tzeng, Oliver, 1972-76
U, 1952-69
V, 1954-69, 1975

Box 4:

Correspondence (continued)

W, 1950-70, 1982
Walker, Crayton C., 1964-65
Wearing, Alexander, 1966-68
Weintraub, Daniel J., 1961-62
White, Owen, 1966-68
Wiggins, Nancy Ann Hirschberg, 1963-73
Wrigley, Charles, 1957-62
Y, 1951, 1965-70, 1977
Yimer, Makonnen, 1973
Young, P. T., 1955
Z, 1952-66, 1979-80
Zubin, Joseph, 1955, 1969
Student Placement, 1967-70 (3 folders)
Doctoral Candidate Correspondence
Adamopoulos, John, 1967-68
Amon Hortelano, Jesus, 1964-66
Anderson, Gary A.
Anderson, Lynn, 1963-64
Araway, Richard J., 1965-67
Atkin, Robert, 1974-75
Awuwoloye, Ezekiel O., 1969-73
Bass, Alan R., 1963
Blackburn, Margaret, 1968-70
Bolz, Charles R., 1972
Bowen, Max, 1965-69
Bowers, Patricia, 1965
Cohen, Harvey, 1972-73
Collins, James F., 1968-69
De Marco, William, 1962-69
Derman, Diran, 1961-63
Drude, Kenneth P., 1972
Dusek, Jerome, 1968-69
D'Zurilla, Thomas J., 1963-64

Erwin, William H., 1965
Frazee, Vernon, 1966
Friden, Tom, 1970
Frinke, Gerald, 1964
Gilbert, Susan, ca. 1964
Hackman, J. Richard, 1963-64
Hamilton, David L., 1967-68
Hamstra, Bruce, 1974
Herman, Jeanne, 1970-72
Herning, Ronald, 1973-75
Horn, John L., 1964
Hunka, Stephen M., 1960-63
Hunter, John E., 1963-67
Hunter, Ronda Fink, 1963
Johnson, Robert A., 1972
Julian, James, 1960-63
Kaplan, Kalman J., 1965-68
Karabinus, Robert A., 1965
Kelly, Geraldine, 1967-68
Keren, Gideon, 1974-76
Killian, Larry, 1966
Kohfeld, David L., 1965-66
Krantz, James M., 1974-75
Kriekhaus, Edward E., 1960-62
Krug, Ronald S., 1962-65
Kutscher, Charles, 1961-62
Lask, Emanuel, 1960-62, 1965 (2 folders)
Lubitz, Ralph, 1962
Magaro, Peter A., 1962
Marlin, Marjorie M., 1965-66
Marrer, Albert M., 1963
Matteson, Halsey H., 1962-63
McGaw, Barry, 1970
McQuarrie, Duncan, 1970-71
Meredith, Connie, 1963-69
Montanelli, Dale, 1969-75
Ogle, Michael E., 1964
Paraskevopoulos, John, 1966
Pieszko, Henry J., 1969-70
Richards, Meredith, ca. 1968
Rothman, Howard, 1967
Shikiar, Richard, 1967, 1971-72
Spitzer, Craig, 1977-78
Thompson, John H., 1962-64

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Urbano, Richard, 1968-69
Thesis Proposal, 1969
Vavra, Terry, 1969-70
Weldon, David, 1972-74
Williams, Esther Amy, 1970-71
Williamson, John, 1963-66
Yimer, Makonnen, 1973

Box 5:

Course Materials

Math 315, Linear Transformations and Matrices, Fall Semester, 1960
Psychology 135, Fall Semester, 1962-63
Lab Material, Psychology 135 #1, Frequency Counts and Distributions
Psychology 135H, Supplementary Notes on Correlation, Fall 1962-63
Final Examination, 1963
Psychology 290, Introduction to Psychological Tests and Measurements Lab, pre-1960-1961
Fall Term, 1960-61 (2 folders)
Quizzes and Examinations, 1960-61
First Term, 1960-1962
Record Materials, 1961
First Semester Tests, 1961-62
First Semester, 1961-62
Tests, 1961-62
Selected References, First Semester, 1961-62
Stencils for Mid-Term, 1961-62
Second Semester, 1962
1961-62 Second Semester, 1962
Psychology 306, First Semester, 1963-64
Psychology 307, Factor Analysis, 1963-64, 1968-79 (7 folders)
Psychology 403, Proseminar I, 1960-66 (7 folders)
Proseminar talk, Jan. 5, 1966
Dec. 13, 1967
Psychology 409, Psychological Scaling, 1955-57, 1961-69 (6 folders)

Box 6:

Course Materials (continued)

Psychology 409, Psychological Scaling, 1969-70 1st semester, 1955-57, 1963-70
Exams, 1965-70
(Master) Reserve Book List and other "1st day" Masters, 1965-70

1st Semester 1969-70, Equal Appearing Intervals Project, 1965-69
Constant Sum Project, 1969
Multidimensional Scaling Project, 1968-69
Paired Comparisons Example, 1967-69
Psychology 466, 1961-64 (2 folders)
Testing Project, Extra Test Copies, Fall 1962-63
Psychology 493, 1958-81 (31 folders)
Psychology 494, Multivariate Analysis, 1961-69 (7 folders)

Box 7:

Course Materials (continued)

Psychology 494, Multivariate Analysis, 1967-84 (16 folders)
Examinations, 1970-84
Psychology 495, Theory of Measurement, 1960-65 (3 folders)
Research Bulletins, ETS Articles and other articles in boxes, 1966-70
Committee Files
Graduate Education Committee, 1975-76
Biomedical Computer Programs, 1969
Course Evaluation Questionnaire Committee, 1971-72

Box 8:

Committee Files (continued)

Ad Hoc Committee in re "Personal Profit," 1971-72
Grading Systems Committee, 1960-64
Center for Advanced Study, 1969-73 (2 folders)
President's Faculty Conference "Educational Opportunities," Spring 1965
Digital Computer Laboratory Search, 1963-64
Committee on Computer Utilization, 1959-63
Computer Utilization, Social Science, 1960-62
Graduate College, Graduate Fellowship Committee, 1964-68 (4 folders)
Dean of Women's Studies, 1962-65
Grading Policy, U. of I., Robert E. Stake, 1968
Sabbatical Leave, 1965-66
Poster: Measurement Psychology & Educational, 1962-63
Psychology 306-307 Committee, 1961-64
Instructor Evaluation Project by Undergraduates, 1959-63
Prelim Reading List, Measurement Psychology, 1965-66
Prelim Exam Rating Methods, 1964
Qualifying Examinations, 1955-79, 1986 (17 folders)
Specialist Examination Notes, 1954-59

Committee File (continued)

Advisory Committee, Department of Psychology, 1961-66 (3 folders)
American Association of University Professors, 1960-65
Sigma Xi, 1963-65 (2 folders)
Promotion Committee, J. Wiggins, 1965-66
Evaluation Committee, 1969
Faculty Search Committee Measurement Psychology, 1969-70
Special Advisory Committee Election, Spring, 1967
Notice forms and distribution lists, Returned Schedules, 1969
Advisor Committee Election, 1966

Recommendations, 1961-70

Box 9:

Meeting, Conference, and Research Publication File

Handbook of Multivariate Experimental Psychology, 1960-65
Psychometric Society Meeting, October 8-10
Niagara Falls, Ontario, Canada, 1964
Triandis Project, 1963-64
Mental Measurement Yearbook, 1963
Addison-Wesley Publishing Co., 1961
Paired Comparisons Maximum Likelihood, 1958, 1962
University Research Board, 1961-62
Eckart-Young Procedure, 1963
Mathematical Notes
Henry F. Kaiser, "Relating Factors," 1960
Psychonomic and Psychometric Meetings, Niagara Falls, 1964
American Psychological Association (1962) Division 5 Presidential Address, 1959-63
Factor Analysis in Learning Conference (1959), Washington University, 1958-59
Formal Models for a Central Prediction System, 1961-63
An Individual Difference Model for Multidimensional Scaling, 1963
Obtaining Squared Multiple Correlations for Singular R, 1969-72
Office of Naval Research Symposia: Human Judgments and Optimality, 1962-64
Annual Review of Psychology, Vol. 14: Chapter: Scaling and Test Theory, 1960-63
Stanford Educational Conference (Cronbach) July 15-16, 1965
American Psychological Association, 1961
Meetings, 1967
A Method for Scaling Ability Test Items Taking Item Unreliability into Account, 1948
Factor Analysis Computing--Use of Whirlwind Computer at MIT for F. Lords Study,
1952
Symposium on Large Scale Digital Computing Machines 9-13-49, 1949-50
Meeting of Multivariate Experimentalists Nov. 14, 15, 16, 1960 (Cattell), 1960-61
American Psychological Association Fellow Nominations, 1968

Society of Multivariate Experimental Psychology, 1963
Schönemann-Tucker "Successive Intervals," 1966-67
Three dimensional matrices, 1960-61
Evaluation of Factor Analytic Research Procedures by Means of Simulated Correlation Matrices, 1967
American Psychological Association Division of Evaluation and Measurement, 1960-62
Psychometric Society Symposium, Spring, 1969
Conference on Human Judgment (1970), University of Colorado, 1969-70
College of William and Mary, 1971
Training Conference on Multidimensional Scaling, 1962, 1970-72
M. S. curricula, 1962-70
Measurement Psychology Curriculum, 1965-68
Quantitative Methods Reading List
December 1968 Committee on Applied Program in Measurement Psychology, 1968
Measurement Program, 1968-70
Test Questionnaire Analysis and Research
A Restatement of the Equations for Lawley's Maximum Likelihood Method of Estimating Factor Loadings, 1949, 1953
Simplified Punch Card Methods in Factor Analysis, 1946, 1953
Standard Scores Corresponding to Percentiles
A Method for Scoring Ability Test Items Taking Item Unreliability into Account, 1948
General Goals of Life Inventory Answer Sheets, 3/55 Reprint 1955
Goals of Life Questionnaire 10-25-62 Version, 1962, 1975
Individual Differences in Multidimensional Scaling, draft, 1960
Determination of Generalized Learning Curves by Factor Analysis, Correspondence, 1961-62
General Goals of Life Inventory (Cooperative Study in General Education) 3/55 Reprint, 1955
Gulliksen Questionnaires Inter-Cultural Study

Box 10:

Testing Research and Conference File

Dessert Preferences Paired Comparison, Graphs
Automobile Preference Study, Correspondence and Pictures (Originals), 1956
Reference Vector Model, 1954-59
Watch Reference Experiment
Conceptual Input Factor Loadings 3 Factor Domain, Table 1
Seven Factors, Table 2
Tables Three and Four, Sums of Squares of Factor Loadings and Values of c_j
Matrix A_i Table 5
Sums of Squares of A_i Table 6
Values of b_{ij}^2 Table 7

Summary of R^2
 R^2 RwSMC B Low (to 12 Factors)
Summary of the R^2
 R^2 Middle Model
Principal Axes Roots Middle Model BL-7
Principal Axes Root B Wide
 R^2 Middle Model RwSMC Low b_{ij}^2
Correlation Simulation Study, 1964
 R^2 RwSMC B Low (to 12 Factors)
Simulation Study: Maximum Likelihood Solutions, 1968
Simulated Correlation Matrices, 1964
Tables
Type S+R Model, 1962-63
Tests, 1955-64
Test Service Bulletin, 1948-59
Specimen Sets Kuhlmann-Anderson Test, 1960
Specimen Tests, 1956-66
Primary Mental Abilities, 1938-58
American Council on Education Psychological Examination, 1946
Evaluation of Factor Analytic Research Procedures by Means of Simulated Correlation
Matrices, Correspondence Regarding, 1968-69
Comment article on Gollob paper, 1968
Factors in Allocation of Votes..., American Psychological Association Analysis, 1972-75
Psychometric Society, 1969
Naval Personnel and Training Research Laboratory, October Conference on Personnel
Selection and Classification Research, 1970
Factor Analytic Models for the Aptitude-Achievement Distinction CTB/McGraw-Hill
Conference, February 1-March 1973, 1973-74
Educational Testing Service 1964 Invitational Conference, 1964-65
Shannon Project, 1962
Some Mathematical Notes on Three-Mode Factor Analysis, 1965-66
Three-Mode Factor Analysis of Parker-Fleishman Complex Tracking Behavior Data, Aug.
'65 Technical Report, 1964-67
Invitation Conference on "Problems in Measuring Change," 1961-62
Educational Testing Service Conference, Thurstone Hall, 1962-64
Dedication Ben D. Wood Hall, May 11-12, 1965
Horst Manuscript "Psychological Measurement and Prediction" and Wadsworth
correspondence Spring-Summer, 1965
Kimberly-Clark, Creative Research Associates Study, 1966
George Peabody College, 1963-64
Naval Reserve Research Company, March 15, 1966
Conference on Cluster Analysis, December 9-11, 1966, 1966-67
Psychometric Society Spring 1967 Meeting, 1966-67
Bradley University, Jan. 11, 1968

Paper for Psychometric Society, March 1967
Psychometric Society, April 1968
 Symposium, 1967-68
Fundamental Skills for Statistics
University of Hawaii, 1965-66
 Quantitative Methods I Psychology 620
 Workshop in Multivariate Analysis Summer, 1968
 Seminar, 1966
Colloquium University of Chicago, 1/16/67, 1965-67
The Ledyard R Tucker Symposium of Psychometric Theory, April 24-25, 1980, 1978-80

Box 11:

Office of Naval Research Individual Differences Project, Factor Analysis

Technical Report Mailing and Distribution Enclosures, 1970-71
Document Control Data Sheet Forms and Instructions, 1965-71
Office of Naval Research Project Application, 1961-63 (2 folders)
Office of Naval Research Proposal, 1963-70 (7 folders)
Final Report Office of Naval Research Contract, 1961, 1967
Office of Naval Research Project Progress Reports, 1962-69 (8 folders)
Office of Naval Research Status Reports, 1970 (2 folders)
Mailing List for Technical Reports, from Office of Naval Research, 1962-69
Defense Documentation Center Accession Notices, 1967
Office of Naval Research Project Notes, 1961-72
Office of Naval Research, 1967-71
 Project Reprints, 1964-66
 Contract, Computer Miscellany, 1962-70
Monthly Time Reports Office of Naval Research Project, 1961-68
Office of Naval Research, List of Participants, 1961
 Report of First Meeting, 1961
 Correspondence, 1961-62
 Memoranda, 1961-63
Office of Naval Research Project Factor Analysis Working Group, 1960-70 (19 folders)

Box 12:

Factor Analysis Research File

Rotation of Axes by Cubic Hyperbola, 1969
Canonical Correlations and Factor Analysis, 1965-66
Multiple Regression from Factor Analysis, 1950-60
Linn, Rotation of Axes
Three-Mode Factor Analysis Program, Oct., 1964

Box Problems, 1960
Max A. Woodbury, Three-dimensional factors, 1962
Three-Dimensional Factor Analysis "School Administrators in Basket" Intercorrelations,
1962
Three-Dimensional Component Analysis of "School Administration Inbasket Scores,"
1962-63
Three-Dimensional Analysis In-Basket Rotation of Axes, 1962-63
Proverbs Test, 1967
Publications, 1940-88 (14 folders)
List of publications held by Educational Testing Service archives, 1992
Factor Analysis Research File (continued)
Reports, Office of Naval Research Project on Techniques for Investigation of Structure of
Individual Differences in Psychological Phenomena, 1964-71
Dragow, Fritz, 1978-83 (6 publications)
University of Illinois Psychology Department, 1986
Research Bulletin, ACOVSM, 1971
Factor Analysis, 1967-80
"A Fortran II Program for Three-Mode Factor Analysis," 1966-68
Computation of Discriminant Components, Notes on LRT 11/15/73 Psychology 494,
1936, 1971-81
Factor Analysis Handouts, 1968, 1978-80
Canonical Correlation Example, Dec. 15, 1971
Transformation of Factors Handouts, 1975-80
Covariance Papers, 1946, 1970

Box 13:

An Introduction to Matrix Algebra Operations (Lecture Notes) 1/23/80, 1978-82
Statistical Analysis of Research Proposals
Armstrong Article, 1967-74
Jöreskog and Sörbom, 8/16/76, 1973-76
Individual Differences in Paired Comparison Scaling, 1968-71
Victoria Seitz, 1970-71
Three Mode Factor Analysis of Serial Learning, 1971-72
Love, William, Serial Position Study, 1970-71
Miron Wish Data, 1969, 1974-75
Carl Helm Data Reanalysis, 1970-71
TORSCA [Young-Torgeson Nonmetric Multidimensional Scaling] Analysis
Canonical Inter-Battery Factor Analysis, 1958, 1965, 1971-73
Note on Number of Attributes, 1974
Statement of the Method of False Position, 1965
An experiment in generating a problem correlation matrix for Maximum Likelihood
Factor Analysis, 1977-84
Emanuel Donchin Data, 1970-71

Jerry Hirsch - Emanuel Donchin Proposal, 1970
Varimax Rotation for Simulated Correlation Matrices
Math Note, 1964-68
Draft Program for Three-Mode MDS, 1972-75
Battery Adequacy, 1966-73
Binary data, 1974
Dimensional Analysis of Binary Data, 1965-67
Item Simulation Study, 1972-73
College Entrance Examination Board Score Distribution for Item Distribution, 1971-72
Constrained Regression System, 1971-73
Singular Value Decomposition of Matrices, 1969-70
Predictive Composites by Least Squares, 1973-77
Factor Fitting to Original Measures, 1967-70
Factor Fitting Notes, 1967-68
Fitting of Factor Model to Original Observations by a Canonical Approach, 1972
Fitting of Hyper-Planes by a Personal Probability Function, 1970
Symmetric Subjective Probability Function, 1970
Montanelli-Humphreys Weights June, 1979
Canonical Predictive Composites, 1970-73, 1978-81
Correspondence, 1983-86