

# Guide to the Francis John Anscombe Papers

MS 1609



Preliminary Inventory by Rachael Nevins and Carol King

June 1994

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## Collection Overview

**REPOSITORY:** Manuscripts and Archives  
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**CALL NUMBER:** MS 1609

**CREATOR:** Anscombe, Francis John

**TITLE:** Francis John Anscombe Papers

**DATES:** 1950-1985

**PHYSICAL DESCRIPTION:** 6 linear feet

**LANGUAGE:** English

**SUMMARY:** The papers consist primarily of writings and teaching files which document the professional career of Francis Anscombe.

**ONLINE FINDING AID:** To cite or bookmark this finding aid, please use the following link: <https://hdl.handle.net/10079/fa/mssa.ms.1609>

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## Requesting Instructions

To request items from this collection for use in the Manuscripts and Archives reading room, please use the request links in the HTML version of this finding aid, available at <https://hdl.handle.net/10079/fa/mssa.ms.1609>.

To order reproductions from this collection, please go to [http://www.library.yale.edu/mssa/ifr\\_copy\\_order.html](http://www.library.yale.edu/mssa/ifr_copy_order.html). The information you will need to submit an order includes: the collection call number, collection title, series or accession number, box number, and folder number or name.

Key to the container abbreviations used in the PDF finding aid:

b.      box

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## Administrative Information

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### Immediate Source of Acquisition

Transferred from the Statistics Department in 1991.

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## Conditions Governing Access

Teaching Files are unprocessed and may contain sensitive information or be in a physical state that would prohibit use. Researchers wishing to request access should email [beinecke.library@yale.edu](mailto:beinecke.library@yale.edu) requesting specific box numbers in order to initiate the review process, which may take several weeks.

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## Conditions Governing Use

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## Preferred Citation

Francis John Anscombe Papers. Manuscripts and Archives, Yale University Library.

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## Biographical / Historical

Francis John Anscombe was born in Elstree, England on May 13, 1918. He received his B.A. degree from Cambridge University in 1939, and his M.A. degree in 1943. Anscombe was with the British Ministry of Supply from 1940-1945, and the Rothamsted Experimental Station from 1945-1947. He was a lecturer in math at Cambridge from 1948-1956, and a research associate, associate professor, and professor at Princeton from 1953-1963. Anscombe joined the faculty of Yale as a professor of statistics in 1963.

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## Scope and Contents

The papers consist primarily of writings and teaching files which document the professional career of Francis Anscombe.

## Collection Contents

### Inventory, 1950-1985

6 linear feet (6 boxes)

Received from: Department of Statistics, 1991 Jun 14

These papers have been kept in the order in which they were received, and the original folder titles have been retained and/or expanded. The folders contain materials such as drafts of and letters and notes concerning the papers named in the following listing; the actual folder titles often refer to the event or publication for which a particular paper was written.

b. 1	"Normal Likelihood Functions" or "Reduction of Likelihood Functions and Posterior Distributions to Approximately Gaussian Form," F. J. Anscombe English	1963-1964, undated
b. 1	Testing binomial response	1964 March 3
b. 1	Relation	1964 June 9
b. 1	Conference on the Implications of Developments in the Communication Sciences for Legal Education in the Next Decade, at Yale Law school, 1963	1963, 1965, undated
b. 1	"Bayesian Inference Concerning Many Parameters, With Reference to Supersaturated Designs," F. J. Anscombe English	1962-1965, undated
b. 1	"Pre-decisional Processes Related to Psychophysical Judgement," Emir H. Shuford English	1963 March 25, undated
b. 1	"Comments on Kurtz-Link-Tukey-Wallace Paper," F. J. Anscombe English	1964, undated
b. 1	"Some Principles of Estimation," F. J. Anscombe English	1960, 1964-1965, 1969, undated
b. 1	"An Analysis of Transformations," G. E. P. Box and D. R. Cox English	1964, undated
b. 1	Classification problem	1965, undated
b. 1	"Treatment of Outliers in Samples of Size Three," paper by F. J. Anscombe and Bruce A. Barron for the <i>Journal of Research of the National Bureau of Standards</i> English	1965-1966, undated
b. 1	"Topics in the Investigation of Linear Relations fitted by the Method of Least Squares," paper/drafts by F. J. Anscombe for Research Section, 1966 (2 folders) English	1965-1967, undated
b. 1	"Statistical Analysis, Special Problems of: Outliers," article by F. J. Anscombe for the <i>International Encyclopedia of the Social Sciences</i> English	1960-1968, 1975, undated
b. 1	Miscellaneous papers concerning outliers, residuals, etc.	1966, 1973, undated
b. 1	"Graphs in Statistical Analysis," F. J. Anscombe English	1971-1974, 1976, 1980

b. 1	Loose papers	1966, 1969–1971, undated
b. 1	International Institute of Statistical Computing, M. E. Muller, Director	1962, 1969–1970, undated
b. 2	Materials concerning a discussion of Bayesian and non-Bayesian decision theories led by Professors Savage and LeCam at the 1964 annual meeting of the Institute of Mathematical Statistics in Amherst	1964, undated
b. 2	"Some Remarks on Bayesian Statistics," paper by F. J. Anscombe and other materials concerning the American Association for the Advancement of Science (AAAS) English	1961-1964, undated
b. 2	The Seventh Conference on the Design of Experiments in Army Research, Development, and Testing	1961-1962, undated
b. 2	Notes on "An Introduction to the Frequency Analysis of Time Series," J. W. Tukey	1963
b. 2	"A Definition of Subjective Probability," F. J. Anscombe and R. J. Aumann English	1961-1963, undated
b. 2	"The Examination and Analysis of Residuals," F. J. Anscombe and J. W. Tukey English	1961, undated
b. 2	"Sequential Medical Trials," F. J. Anscombe English	1960-1964, undated
b. 2	"Tests of Goodness of Fit," F. J. Anscombe English	1962-1963, undated
b. 2	The Sixth Conference on the Design of Experiments in Army Research, Development and Testing (at the Aberdeen Proving Ground, Maryland)	1960-1962, undated
b. 2	"Examination of Residuals," F. J. Anscombe (2 folders) English	1960–1962, 1964, undated
b. 2	Memos concerning the authorship of the Federalist Papers	1959-1961
b. 2	Miscellaneous papers	1961, undated
b. 2	"Some Recommendations for Statistical Quality Control of Electricity Meters Based on Sample Testing," Anna M. Glinski and Mary G. Natrella English	1961 August 30
b. 2	"Testing Meters on a Statistical Quality Control Basis," Commonwealth Edison Company English	undated
b. 2	"Estimating a Mixed-Exponential Response Law," F. J. Anscombe English	1959-1962, undated
b. 2	"Rectifying Inspection of a Continuous Output," F. J. Anscombe English	1957–1959, 1964, undated
b. 3	"Rectifying Inspection of Lots," F. J. Anscombe English	1950, 1958–1962, 1964, undated

b. 3	"Quick Analysis Methods for Random Balance Experiments," F. J. Anscombe (3 folders) English	1955, 1958-1959, undated
b. 3	"Bayesian Statistics," F. J. Anscombe English	1959-1961, 1963-1965, undated
b. 3	"Testing to Establish a High Degree of Safety or Reliability," F. J. Anscombe English	1960-1962, undated
b. 3	Continuous Sampling	1957, undated
b. 3	Leonard J. Savage, notes	1959-1960, undated
b. 3	Trenchard More. Jr., theorem proving	1957, 1960, 1966, 1969, undated
b. 3	John Wiley & Sons, Inc. Publishers	1979-1980, undated
b. 3	"'ASP': A Statistical Package in APL," appendix to <i>Statistical Computing with APL</i> , F. J. Anscombe English	1973, 1976-1977, undated
b. 3	<i>Statistical Computing with APL</i> , draft of first nine chapters, notes, and appendices (2 folders)	1970, 1972, undated
b. 3	<i>Statistical Computing with APL</i> , miscellaneous	undated
b. 3	Jerzy Neyman at the University of Connecticut at Storrs	1977, 1979
b. 3	Miscellaneous correspondence re: APL	1970, 1972
b. 3	Technical Report No. 32, "Tests of Residuals in the Additive Analysis of a Two-way Table - A Suggested Computer Program," F. J. Anscombe, Diccon R. E. Bancroft, and William J. Glynn	1974, 1979, undated
b. 3	International Symposium on Statistical Ecology, Yale University, August 21-28, 1969	1969-1970, undated
b. 3	"Directions of statistical Research," F. J. Anscombe English	1977, undated
b. 3	Materials for APL Short Course	1971-1972, undated
b. 3	Loose papers	1968, undated
b. 4	"Use of Iverson's Language APL for Statistical Computing," F. J. Anscombe English	1967-1971
b. 4	Papers for the Ninth Annual Phi Delta Kappa Symposium on Educational Research Methods, Syracuse, New York, 1968 Jan 12	1967-1968
b. 4	"Rejection of Outliers," F. J. Anscombe English	1959-1960, 1962

b. 4	Le Meilleur Procédé pour l'Inspection Rectifiante d'un Lot, F. J. Anscombe	1953, 1954, undated
b. 4	"Towards a Theory of Statistical Inference," F. J. Anscombe (3 folders) English	1953, 1958, undated
b. 4	"Dependence of the Fiducial Argument on the Sampling Rule," F. J. Anscombe English	1957, undated
b. 4	"Queueing Theory," F. J. Anscombe English	1958-1961, undated
b. 4	"Notes on Sequential Sampling Plans," F. J. Anscombe English	1956, 1959-1960, undated
b. 4	"Contribution to Discussion of Paper by C. A. B. Smith," F. J. Anscombe English	1960, undated
b. 4	"Duncan on Multiple Comparisons," English	undated
b. 4	Papers written and translated by G. Taguchi	1963, undated
b. 4	"The Nature of Statistical Inference," Arthur P. Dempster English	1963
b. 4	Papers for the Actuarial Research Conference on Risk Theory and Topics in Multivariate Analysis	1966, 1967, undated
b. 4	Correspondence concerning the Twenty-Fourth Annual Princeton Conference of the American Society for Quality Control	1968
b. 4	Memo concerning the "Pittsburgh Meetings"	1968 March 18
b. 4	Correspondence and other materials concerning the Eastern Regional Meeting of the Institute of Mathematical Statistics, held at the Virginia Polytechnic Institute, Blacksburg, Virginia, 1968 Apr 8-10	1967-1968
b. 4	Correspondence with and papers for DuPont	1969 undated
b. 4	"Regression Analysis in the Computer Age," F. J. Anscombe, presented to the Thirteenth Conference on the Design of Experiments in Army Research, Development, and Testing English	1967-1968
b. 4	Correspondence and other materials regarding the Research Conference on Mathematical and Statistical Techniques Applicable to Actuarial Problems	1966-1968, undated
b. 4	Unsigned note regarding orthogonal polynomials	1967 July 21
b. 4	Untitled, unsigned notes for the Barden Corporation	undated
b. 4	Correspondence about and papers for the Symposium on Clinical Therapeutic Trials, Paris, 1969 Sep 15-17	1965-1969
b. 5	Correspondence regarding the Committee on Computers in Statistics, American Statistical Association (ASA)	1967-1969
b. 5	ASA Committee on Computers in Statistics meeting in New York, 1969 Aug 19-22	1969



b. 5	Conference on Statistical Computation, Madison, Wisconsin, 1969 Apr 29	1969
b. 5	Statistical Language Workshop, San Francisco, 1969 Jun 23-27	1968, 1969, undated
b. 5	Summer workshop on the Instructional Use of Computers in Statistics, at the University of North Carolina at Chapel Hill	1969
b. 5	IBM New York Scientific Center Second Annual Symposium on Statistical Computation, New York, 1968 Dec 16-17	1968-1969, undated
b. 5	Computer Science and Statistics, Fourth Annual Symposium, University of California at Irvine, 1970 Sep 17-18	1970, undated
b. 5	"Experiments in Computer Oriented Instruction in Statistics," proposal submitted to the National Science Foundation (NSF) English	1970-1971, undated
b. 5	1970 Annual Meeting of the ASA, Detroit	1969, 1970, undated
b. 5	Correspondence with the Naval Ship Research and Development center	1969-1970, undated
b. 5	Correspondence with the Naval Underwater Systems Center	1973, undated
b. 5	"Research in Basic Concepts and Analytic Methods of Statistics," F. J. Anscombe, and other materials prepared for the Office of Naval Research (2 folders) English	1964-1981, 1986
	<p>Teaching files</p> <p>The material is unprocessed and may contain sensitive information or be in a physical state that would prohibit use. Researchers wishing to request access should email <a href="mailto:beinecke.library@yale.edu">beinecke.library@yale.edu</a> requesting specific box numbers in order to initiate the review process, which may take several weeks.</p>	
b. 5	Statistics 165b	1970
b. 5	SS10/Statistics 23c	Summer 1977
b. 5	Summer Terms 1975, 1977	1974-1977
b. 5	Statistics 41a	Fall 1964
b. 5	General Examination in Statistics	1979 January 8
b. 5	General Examination in Statistics	1972 May 11-12
b. 5	General Examination in Statistics	1971 May 13-14
b. 5	General Examination in Statistics (grading sheet)	1970
b. 5	General Examination in Statistics	1969 May 15
b. 5	General Examination in Statistics	1968 May 17
b. 5	General Examination in Statistics	1967 May 18
b. 5	General Examination in Statistics	1966 May 19

## Teaching files (continued)

b. 5	Statistics 110a	Fall 1970
b. 5	History 690a	Fall 1986
b. 5	General Examination in Statistics	1965 May 19
b. 5	ISS 384	1971-1972
b. 5	Statistics 199	Fall 1972
b. 5	Statistics 125b	Spring 1976
b. 5	Statistics 111b	Spring 1967
b. 5	Statistics 101b	Spring 1971
b. 5	Statistics 150a	Fall 1964
b. 5	Statistics 155b	Spring 1971
b. 5	Statistics 101	1968
b. 5	Statistics 101	Fall 1968
b. 5	Statistics 209	Fall 1968
b. 5	Statistics 209/History 299	
b. 5	Statistics 47a	Fall 1967
b. 5	Statistics 42b	Spring 1966
b. 5	Statistics 42a	Fall 1971
b. 6	Statistics 42b	Spring 1967
b. 6	Statistics 42b	Spring 1965
b. 6	Statistics 230a	Fall 1974
b. 6	Statistics 41b	Spring 1973
b. 6	Statistics 41b	Spring 1974
b. 6	Committee to Visit the Department of Statistics, Harvard College	1978-1985, undated
b. 6	The ASA Committee on Fellows	1979-1984, undated
b. 6	Harvard-Yale Statistics Day ("Talk: How far to go on looking at data")	1980 November 21
b. 6	IBM's APL on the PC-AT keyboard	1986 January 31, undated
b. 6	"Hardcopy for APL," F. J. Anscombe English	1984, undated

b. 6	Ed Shaw and the New York Local Chapter of the Special Interest Group on APL of the Association for Computing Machinery	1972, 1984
b. 6	A review of <i>Simultaneous Statistical Inference</i> by F. J. Anscombe by Rupert G. Miller, Jr.	1981, 1984
b. 6	Two papers by and correspondence with Clifford C. Clogg	1982-1983, 1985
b. 6	Correspondence regarding <i>Statistical Science</i>	1984-1985
b. 6	The Thirty-Eighth Annual Conference on Applied Statistics, the American Society for Quality Control	1982, undated
b. 6	Rothamsted Experimental Station	1968, 1971, 1977, 1979, undated
b. 6	Trip to England, Miscellaneous	1979, undated
b. 6	Review by F. J. Anscombe of <i>Statgraphics</i>	1985, undated
b. 6	Symposium in Honor of J. W. Tukey	1985 May
b. 6	Review by F. J. Anscombe of <i>Residuals and Influence in Regression</i> , by R. Dennis Cook and Sanford Weisberg	1982, 1984
b. 6	Statistics Panel of the Conference Board of the Mathematical Sciences (CBMS) Research Vitality Planning Project Committee	1978-1981, undated
b. 6	Correspondence regarding APL(*)PLUS	1985, undated
b. 6	Connecticut Chapter of the ASA	1980, 1982-1983, undated
b. 6	Undergraduate Mathematics and its Applications Project (UMAP)	1979
b. 6	Correspondence with Lincoln Moses, Department of Energy	1963, 1978
b. 6	"How far to go in looking at data," F. J. Anscombe, keynote address for the 26th Conference on the Design of Experiments in Army Research, Development and Testing English	1980, undated
b. 6	"Partial Likelihood Methods in Transformation Models," Kjell M. Doksum English	1954, 1985
b. 6	New England Regional Computing Program (NERComp) Conference on Statistical Methods	1979, undated

## **Selected Search Terms**

The following terms have been used to index the description of this collection in the Library's online catalog. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically therein.

### **Subjects**

Statistics -- Study and teaching

### **Names**

Anscombe, Francis John

### **Corporate Bodies**

Yale University. Dept. of Statistics

Yale University -- Faculty