

# Barry C Arnold

## List of Publications by Year in descending order

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107  
papers

3,860  
citations

304743

22  
h-index

138484

58  
g-index

123  
all docs

123  
docs citations

123  
times ranked

2039  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inequalities: Theory of Majorization and Its Applications. Springer Series in Statistics, 2011, , .	0.9	1,071
2	Skewed multivariate models related to hidden truncation and/or selective reporting. Test, 2002, 11, 7-54.	1.1	199
3	The nontruncated marginal of a truncated bivariate normal distribution. Psychometrika, 1993, 58, 471-488.	2.1	160
4	Majorization and the Lorenz Order: A Brief Introduction. Lecture Notes in Statistics, 1987, , .	0.2	148
5	Bivariate Distributions with Exponential Conditionals. Journal of the American Statistical Association, 1988, 83, 522-527.	3.1	122
6	Compatible Conditional Distributions. Journal of the American Statistical Association, 1989, 84, 152-156.	3.1	115
7	Bayesian Estimation and Prediction for Pareto Data. Journal of the American Statistical Association, 1989, 84, 1079-1084.	3.1	114
8	The skew-Cauchy distribution. Statistics and Probability Letters, 2000, 49, 285-290.	0.7	111
9	Conditionally Specified Distributions: An Introduction (with comments and a rejoinder by the) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.8	110
10	Measuring Skewness with Respect to the Mode. American Statistician, 1995, 49, 34-38.	1.6	82
11	Conditionally Specified Distributions. Lecture Notes in Statistics, 1992, , .	0.2	68
12	A general near-exact distribution theory for the most common likelihood ratio test statistics used in Multivariate Analysis. Test, 2011, 20, 180-203.	1.1	42
13	Bivariate Distributions With Exponential Conditionals. Journal of the American Statistical Association, 1988, 83, 522.	3.1	42
14	Bivariate distributions with pareto conditionals. Statistics and Probability Letters, 1987, 5, 263-266.	0.7	38
15	Bayesian Estimation and Prediction for Pareto Data. Journal of the American Statistical Association, 1989, 84, 1079.	3.1	38
16	Compatible Conditional Distributions. Journal of the American Statistical Association, 1989, 84, 152.	3.1	34
17	Joint Confidence Sets for the Mean and Variance of a Normal Distribution. American Statistician, 1998, 52, 133-140.	1.6	29
18	Flexible bivariate beta distributions. Journal of Multivariate Analysis, 2011, 102, 1194-1202.	1.0	29

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19	Multivariate distributions with generalized Pareto conditionals. <i>Statistics and Probability Letters</i> , 1993, 17, 361-368.	0.7	27
20	On multiple constraint skewed models. <i>Statistics</i> , 2009, 43, 279-293.	0.6	26
21	Majorization and the Lorenz Order with Applications in Applied Mathematics and Economics. <i>Statistics for Social and Behavioral Sciences</i> , 2018, , .	0.3	26
22	Some Properties of the Arcsine Distribution. <i>Journal of the American Statistical Association</i> , 1980, 75, 173-175.	3.1	24
23	Generating Ordered Families of Lorenz Curves by Strongly Unimodal Distributions. <i>Journal of Business and Economic Statistics</i> , 1987, 5, 305-308.	2.9	22
24	Near-Exact Distributions for Certain Likelihood Ratio Test Statistics. <i>Journal of Statistical Theory and Practice</i> , 2010, 4, 711-725.	0.5	22
25	The distribution of the product of powers of independent uniform random variables "A simple but useful tool to address and better understand the structure of some distributions. <i>Journal of Multivariate Analysis</i> , 2013, 113, 19-36.	1.0	22
26	Monitoring Process Variance Using an ARL-Unbiased EWMA Control Chart. <i>Quality and Reliability Engineering International</i> , 2016, 32, 1227-1235.	2.3	22
27	Families of Multivariate Distributions Involving the Rosenblatt Construction. <i>Journal of the American Statistical Association</i> , 2006, 101, 1652-1662.	3.1	21
28	Flexible univariate and multivariate models based on hidden truncation. <i>Journal of Statistical Planning and Inference</i> , 2009, 139, 3741-3749.	0.6	21
29	A new approach for monitoring process variance. <i>Journal of Statistical Computation and Simulation</i> , 2016, 86, 2749-2765.	1.2	19
30	On some properties of bivariate weighted distributions. <i>Communications in Statistics - Theory and Methods</i> , 1991, 20, 1853-1860.	1.0	16
31	Recent advances in the analyses of directional data in ecological and environmental sciences. <i>Environmental and Ecological Statistics</i> , 2006, 13, 253-256.	3.5	15
32	Bounds on the expected maximum. <i>Communications in Statistics - Theory and Methods</i> , 1988, 17, 2135-2150.	1.0	14
33	Distributions most nearly compatible with given families of conditional distributions. <i>Test</i> , 1998, 7, 377-390.	1.1	14
34	Some Skewed Multivariate Distributions. <i>American Journal of Mathematical and Management Sciences</i> , 2000, 20, 27-38.	0.9	14
35	A conditional characterization of the multivariate normal distribution. <i>Statistics and Probability Letters</i> , 1994, 19, 313-315.	0.7	13
36	On Zenga and Bonferroni curves. <i>Metron</i> , 2015, 73, 25-30.	1.2	13

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37	THE LORENZ ORDER AND THE EFFECTS OF TAXATION POLICIES. Bulletin of Economic Research, 1990, 42, 249-264.	1.1	12
38	Families of Multivariate Distributions Involving "Triangular" Transformations. Communications in Statistics - Theory and Methods, 2009, 39, 107-116.	1.0	12
39	A doubly skewed normal distribution. Statistics, 2015, 49, 842-858.	0.6	12
40	Some alternative bivariate Gumbel models. Environmetrics, 1998, 9, 599-616.	1.4	11
41	Finite Form Representations for Meijer G and Fox H Functions. Lecture Notes in Statistics, 2019, , .	0.2	11
42	Multivariate normality via conditional specification. Statistics and Probability Letters, 1994, 20, 353-354.	0.7	10
43	Multiple modes in densities with normal conditionals. Statistics and Probability Letters, 2000, 49, 355-363.	0.7	10
44	QUANTIFICATION OF INCOMPATIBILITY OF CONDITIONAL AND MARGINAL INFORMATION. Communications in Statistics - Theory and Methods, 2001, 30, 381-395.	1.0	10
45	Probability distributions and statistical inference for axial data. Environmental and Ecological Statistics, 2006, 13, 271-285.	3.5	10
46	Some characterizations involving uniform and powers of uniform random variables. Statistics, 2008, 42, 527-534.	0.6	10
47	The exact and near-exact distributions of the main likelihood ratio test statistics used in the complex multivariate normal setting. Test, 2015, 24, 386-416.	1.1	10
48	Maximal Deviation between Sample and Population Means in Finite Populations. Journal of the American Statistical Association, 1981, 76, 443-445.	3.1	9
49	A MULTIVARIATE VERSION OF STEIN'S IDENTITY WITH APPLICATIONS TO MOMENT CALCULATIONS AND ESTIMATION OF CONDITIONALLY SPECIFIED DISTRIBUTIONS. Communications in Statistics - Theory and Methods, 2001, 30, 2517-2542.	1.0	9
50	Distributions with Generalized Skewed Conditionals and Mixtures of Such Distributions. Communications in Statistics - Theory and Methods, 2007, 36, 1493-1503.	1.0	9
51	On the Amato inequality index. Statistics and Probability Letters, 2012, 82, 1504-1506.	0.7	9
52	A multivariate circular distribution with applications to the protein structure prediction problem. Journal of Multivariate Analysis, 2016, 143, 374-382.	1.0	9
53	The use of conditionally conjugate priors in the study of ratios of gamma scale parameters. Computational Statistics and Data Analysis, 1998, 27, 125-139.	1.2	8
54	A goodness of fit test for the Pareto distribution in the presence of Type II censoring, based on the cumulative hazard function. Computational Statistics and Data Analysis, 2010, 54, 833-842.	1.2	8

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55	Conditional Proportional Hazards Models. , 1996, , 21-28.		8
56	Logistic processes involving markovian minimization. Communications in Statistics - Theory and Methods, 1993, 22, 1699-1707.	1.0	6
57	On limit laws for sums of Pfeifer records. Extremes, 2007, 10, 235-248.	1.0	6
58	The multivariate alpha-power model. Journal of Statistical Planning and Inference, 2013, 143, 1244-1255.	0.6	6
59	On the Exact and Near-Exact Distributions of the Product of Generalized Gamma Random Variables and the Generalized Variance. Communications in Statistics - Theory and Methods, 2014, 43, 2007-2033.	1.0	6
60	Dependence in conditionally specified distributions. Lecture Notes-monograph Series / Institute of Mathematical Statistics, 1990, , 13-18.	1.0	6
61	Limit laws in the best of $2n - 1$ bernoulli trials. Naval Research Logistics Quarterly, 1984, 31, 275-281.	0.4	5
62	A Simple Approach for Monitoring Business Service Time Variation. Scientific World Journal, The, 2014, 2014, 1-16.	2.1	5
63	Multiple constraint and truncated skew models. Statistics, 2014, 48, 971-982.	0.6	5
64	The power piecewise exponential model. Journal of Statistical Computation and Simulation, 2018, 88, 825-840.	1.2	5
65	Analytic Expressions for Multivariate Lorenz Surfaces. Sankhya A, 2018, 80, 84-111.	0.8	5
66	Statistical inference for distributions with one Poisson conditional. Journal of Applied Statistics, 0, , 1-20.	1.3	5
67	Some Properties of the Arcsine Distribution. Journal of the American Statistical Association, 1980, 75, 173.	3.1	5
68	Generalized order statistic processes and Pfeifer records. Statistics, 2012, 46, 373-385.	0.6	4
69	Some alternative bivariate Kumaraswamy models. Communications in Statistics - Theory and Methods, 2017, 46, 9335-9354.	1.0	4
70	Variations on the classical multivariate normal theme. Journal of Statistical Planning and Inference, 2007, 137, 3249-3260.	0.6	3
71	Instances of the product of independent beta random variables and of the Meijer G and Fox H functions with finite representations. , 2012, , .		3
72	Preservation of failure rate function shape in weighted distributions. AStA Advances in Statistical Analysis, 2016, 100, 1-20.	0.9	3

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73	Lorenz order with common finite support. <i>Metron</i> , 2017, 75, 215-226.	1.2	3
74	On bivariate pseudo-exponential distributions. <i>Journal of Applied Statistics</i> , 2020, 47, 2299-2311.	1.3	3
75	Maximal Deviation Between Sample and Population Means in Finite Populations. <i>Journal of the American Statistical Association</i> , 1981, 76, 443.	3.1	3
76	Centered distributions with cauchy conditionals. <i>Communications in Statistics - Theory and Methods</i> , 1991, 20, 2881-2889.	1.0	2
77	Distributions with conditionals in truncated weighted families. <i>Statistics</i> , 2005, 39, 133-147.	0.6	2
78	Skewing Around: Relationships Among Classes of Skewed Distributions. <i>Methodology and Computing in Applied Probability</i> , 2007, 9, 153-162.	1.2	2
79	On Segregation: Ordering and Measuring. <i>Sankhya B</i> , 2014, 76, 141-166.	0.9	2
80	Alternative approaches to conditional specification of bivariate distributions. <i>Metron</i> , 2016, 74, 21-36.	1.2	2
81	Univariate and Bivariate Models Related to the Generalized Epsilon-“Skew”Cauchy Distribution. <i>Symmetry</i> , 2019, 11, 794.	2.2	2
82	Conditional specification of statistical models: Classical models, new developments and challenges. <i>Journal of Multivariate Analysis</i> , 2021, , 104801.	1.0	2
83	A new phase II EWMA dispersion control chart. <i>Quality and Reliability Engineering International</i> , 2022, 38, 1635-1658.	2.3	2
84	BEADS, BAGS, BAYES, AND THE FUNDAMENTAL PROBLEM OF SAMPLING THEORY. <i>Communications in Statistics - Theory and Methods</i> , 2001, 30, 1963-1967.	1.0	1
85	PARAMETRIC INFERENCE WITH GENERALIZED RANKED SET DATA. , 2002, , 293-318.		1
86	Construction of bivariate and multivariate weighted distributions via conditioning. <i>Communications in Statistics - Theory and Methods</i> , 2017, 46, 8897-8912.	1.0	1
87	A Note on the Birnbaum-“Saunders Conditionals Model. <i>Symmetry</i> , 2021, 13, 762.	2.2	1
88	Properties and Applications of a New Family of Skew Distributions. <i>Mathematics</i> , 2021, 9, 87.	2.2	1
89	Application of the Finite Form Representations of Meijer G and Fox H Functions to the Distribution of Several Likelihood Ratio Test Statistics. <i>Lecture Notes in Statistics</i> , 2019, , 71-452.	0.2	1
90	Preservation of distributional properties of component lifetimes by system lifetimes. <i>Test</i> , 2022, 31, 901-930.	1.1	1

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91	Modelling gas release event behaviour in hazardous waste tanks. Environmental and Ecological Statistics, 1996, 3, 281-290.	3.5	0
92	Comments on: Progressive censoring methodology: an Appraisal. Test, 2007, 16, 268-270.	1.1	0
93	Random and Point Process Record Models. Wiley Series in Probability and Statistics, 2011, , 223-264.	0.0	0
94	Orthogonal Spacings. Communications in Statistics - Theory and Methods, 2015, 44, 3998-4006.	1.0	0
95	Preface for the Special Issue on Distribution Theory, Estimation, and Inference. Journal of Statistical Theory and Practice, 2015, 9, 1-1.	0.5	0
96	A test for equality of variances with censored samples. Journal of Statistical Computation and Simulation, 2015, 85, 450-467.	1.2	0
97	Bivariate, multivariate, and matrix variate normal characterizations: A brief survey II. Communications in Statistics - Theory and Methods, 2017, 46, 11949-11971.	1.0	0
98	Multivariate Majorization and Multivariate Lorenz Ordering. Statistics for Social and Behavioral Sciences, 2018, , 145-166.	0.3	0
99	Families of Lorenz Curves. Statistics for Social and Behavioral Sciences, 2018, , 115-143.	0.3	0
100	Further Examples Related to the Identical Distribution of $X/(X+Y)$ and $Y/(X+Y)$ . American Statistician, 2020, 74, 93-97.	1.6	0
101	Commentary on "From unidimensional to multidimensional inequality: a review". Metron, 2020, 78, 43-46.	1.2	0
102	All Conditional Distributions for Y Given X that are Compatible with a Given Conditional Distribution for X Given Y. Sankhya A, 2020, , 1.	0.8	0
103	More Applications. Statistics for Social and Behavioral Sciences, 2018, , 231-251.	0.3	0
104	Approximate Finite Forms for the Cases Not Covered by the Finite Representation Approach. Lecture Notes in Statistics, 2019, , 491-505.	0.2	0
105	Mathematica, Maxima, and R Packages to Implement the Likelihood Ratio Tests and Compute the Distributions in the Previous Chapter. Lecture Notes in Statistics, 2019, , 453-490.	0.2	0
106	On a general class of gamma based copulas. Dependence Modeling, 2021, 9, 374-384.	0.5	0
107	Characterization of the Geometric Distribution Via Linear Combinations of Observations and of Records. Sankhya A, 0, , 1.	0.8	0