## Andrew Gelman

## List of Publications by Year

 in descending orderSource: https:/|exaly.com/author-pdf/5733941/publications.pdf
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1 Inference from Iterative Simulation Using Multiple Sequences. Statistical Science, 1992, 7, 457.
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11,419

2 Bayesian Data Analysis. , 0, , .
4,645
$3<i\rangle$ Stan</i>: A Probabilistic Programming Language. Journal of Statistical Software, 2017, 76, . 4.8

4
Prior distributions for variance parameters in hierarchical models (comment on article by Browne) Tj ETQq0 00 rgBT LOverlock $_{3,0} 187 \mathrm{Tf} 50$

| 5 | Practical Bayesian model evaluation using leave-one-out cross-validation and WAIC. Statistics and Computing, 2017, 27, 1413-1432. | 0.8 | 2,776 |
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| 6 | General Methods for Monitoring Convergence of Iterative Simulations. Journal of Computational and Graphical Statistics, 1998, 7, 434-455. | 0.9 | 2,606 |
| 7 | Bayesian Data Analysis. , 0, |  | 2,531 |
| 8 | Bayesian Data Analysis., 0, , |  | 2,516 |
| 9 | Scaling regression inputs by dividing by two standard deviations. Statistics in Medicine, 2008, 27, 2865-2873. | 0.8 | 1,763 |
| 10 | Understanding predictive information criteria for Bayesian models. Statistics and Computing, 2014, 24, 997-1016. | 0.8 | 1,337 |
| 11 | A weakly informative default prior distribution for logistic and other regression models. Annals of Applied Statistics, 2008, 2, . | 0.5 | 1,335 |
| 12 | <b>R2WinBUCS</b>: A Package for Running<b>WinBUCS</b>from<i>R</i>. Journal of Statistical Software, 2005, 12, . | 1.8 | 1,161 |
| 13 | Beyond Power Calculations. Perspectives on Psychological Science, 2014, 9, 641-651. | 5.2 | 922 |

14 Why We (Usually) Don't Have to Worry About Multiple Comparisons. Journal of Research on Educational Effectiveness, 2012, 5, 189-211.
0.9

834

> 15 The Difference Between â€œSignificantâ€•and â€œNot Significantâ€ois not Itself Statistically Significant.
> American Statistician, 2006, 60, 328-331.
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813

Why Are American Presidential Election Campaign Polls So Variable When Votes Are So Predictable?.
British Journal of Political Science, 1993, 23, 409-451.
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Increasing Transparency Through a Multiverse Analysis. Perspectives on Psychological Science, 2016,
11, 702-712.
5.2

668
19 Analysis of varianceâ€"why it is more important than ever. Annals of Statistics, 2005, 33, 1.

| 20 | An Analysis of the New York City Police Department's â€œStop-and-Friskâ€•Policy in the Context of Claims of Racial Bias. Journal of the American Statistical Association, 2007, 102, 813-823. | 1.8 | 570 |
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| 21 | The Statistical Crisis in Science. American Scientist, 2014, 102, 460. | 0.1 | 570 |
| 22 | Abandon Statistical Significance. American Statistician, 2019, 73, 235-245. | 0.9 | 555 |
| 23 | Visualization in Bayesian Workflow. Journal of the Royal Statistical Society Series A: Statistics in Society, 2019, 182, 389-402. | 0.6 | 543 |
| 24 | The Propensity Score with Continuous Treatments. Wiley Series in Probability and Statistics, 2005, , 73-84. | 0.0 | 475 |
| 25 | Philosophy and the practice of Bayesian statistics. British Journal of Mathematical and Statistical Psychology, 2013, 66, 8-38. | 1.0 | 441 |

26 R-squared for Bayesian Regression Models. American Statistician, 2019, 73, 307-309.
27 Bayesian statistics and modelling. Nature Reviews Methods Primers, 2021, 1, . ..... 11.8 ..... 419
28 Measurement error and the replication crisis. Science, 2017, 355, 584-585. ..... 6.0 ..... 406
29 Bayesian Multilevel Estimation with Poststratification: State-Level Estimates from National Polls. Political Analysis, 2004, 12, 375-385. ..... 356
30 Struggles with Survey Weighting and Regression Modeling. Statistical Science, 2007, 22, .1.63401.61.6304
31 Using Stacking to Average Bayesian Predictive Distributions (with Discussion). Bayesian Analysis, 2018,13, .Physiological Pharmacokinetic Analysis Using Population Modeling and Informative Prior1.8

| 37 | Forecasting elections with non-representative polls. International Journal of Forecasting, 2015, 31, 980-991. | 3.9 | 242 |
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| 38 | Type S error rates for classical and Bayesian single and multiple comparison procedures. Computational Statistics, 2000, 15, 373-390. | 0.8 | 239 |
| 39 | Parameterization and Bayesian Modeling. Journal of the American Statistical Association, 2004, 99, 537-545. | 1.8 | 185 |
| 40 | A Bayesian Formulation of Exploratory Data Analysis and Goodnessâ€ofâ€ $\mathfrak{f i t}$ Testing*. International Statistical Review, 2003, 71, 369-382. | 1.1 | 183 |
| 41 | Let's Practice What We Preach. American Statistician, 2002, 56, 121-130. | 0.9 | 182 |
| 42 | Enhancing Democracy Through Legislative Redistricting. American Political Science Review, 1994, 88, 541-559. | 2.6 | 181 |
| 43 | Validation of Software for Bayesian Models Using Posterior Quantiles. Journal of Computational and Graphical Statistics, 2006, 15, 675-692. | 0.9 | 181 |
| 44 | Commentary. Epidemiology, 2013, 24, 69-72. | 1.2 | 176 |
| 45 | Practical Issues in Implementing and Understanding Bayesian Ideal Point Estimation. Political Analysis, 2005, 13, 171-187. | 2.8 | 167 |

A Unified Method of Evaluating Electoral Systems and Redistricting Plans. American Journal of
Political Science, 1994, 38, 514.
Rich State, Poor State, Red State, Blue State: What's the Matter with Connecticut?. Quarterly Journal
of Political Science, 2007, 2, 345-367. $\quad 0.7$ 159
$50 \quad$ Exploratory Data Analysis for Complex Models. Journal of Computational and Graphical Statistics,

| 55 | Of Beauty, Sex and Power. American Scientist, 2009, 97, 310. | 0.1 | 113 |
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| 56 | Economic Disparities and Life Satisfaction in European Regions. Social Indicators Research, 2010, 96, 339-361. | 1.4 | 110 |
| 57 | Splitting a Predictor at the Upper Quarter or Third and the Lower Quarter or Third. American Statistician, 2009, 63, 1-8. | 0.9 | 109 |

58 Avoiding Model Selection in Bayesian Social Research. Sociological Methodology, 1995, 25, 165.

| 59 | The statistical significance filter leads to overoptimistic expectations of replicability. Journal of Memory and Language, 2018, 103, 151-175. | 1.1 | 106 |
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| 60 | Not Asked and Not Answered: Multiple Imputation for Multiple Surveys. Journal of the American Statistical Association, 1998, 93, 846-857. | 1.8 | 100 |
| 61 | Multiple Imputation for Model Checking: Completed-Data Plots with Missing and Latent Data. Biometrics, 2005, 61, 74-85. | 0.8 | 96 |


| 73 | Robit Regression: A Simple Robust Alternative to Logistic and Probit Regression. Wiley Series in Probability and Statistics, 2005, , 227-238. | 0.0 | 59 |
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| 74 | A Practical Guide to Measuring Social Structure Using Indirectly Observed Network Data. Journal of Statistical Theory and Practice, 2013, 7, 120-132. | 0.3 | 59 |
| 75 | Donâ€ ${ }^{T M} t$ Calculate Post-hoc Power Using Observed Estimate of Effect Size. Annals of Surgery, 2019, 269, e9-e10. | 2.1 | 59 |
| 76 | Large-Scale Replication Projects in Contemporary Psychological Research. American Statistician, 2019, 73, 99-105. | 0.9 | 57 |
| 77 | A Comparison of Experimental and Observational Data Analyses. Wiley Series in Probability and Statistics, 2005, , 49-60. | 0.0 | 55 |
| 78 | Estimating the Probability of Events That have Never Occurred: When is Your Vote Decisive?., 0, . |  | 55 |
| 79 | Limitations of â€œLimitations of Bayesian Leave-one-out Cross-Validation for Model Selectionâ€: Computational Brain \& Behavior, 2019, 2, 22-27. | 0.9 | 53 |
| 80 | The mathematics and statistics of voting power. Statistical Science, 2002, 17, 420. | 1.6 | 52 |
| 81 | Physiological Pharmacokinetic Analysis Using Population Modeling and Informative Prior Distributions. , 0, . |  | 52 |

82 An experimental study of storable votes. Games and Economic Behavior, 2006, 57, 123-154.
83 Age-aggregation bias in mortality trends. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E816-7.
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Are confidence intervals better termed â€œuncertainty intervalsâ€?. BMJ: British Medical Journal, 2019, 366, 15381. ..... 2.4 ..... 50
84Why Tables Are Really Much Better Than Graphs. Journal of Computational and Graphical Statistics,0.946
2011, 20, 3-7.Some Natural Solutions to the<i>p</i>-Value Communication Problemâ€"and Why They Wonâ€ ${ }^{\text {TM }} \mathrm{t}$ Work.Journal of the American Statistical Association, 2017, 112, 899-901.
109 Public Opinion on Health Care Reform. Forum (Germany), 2010, 8, . 0.4 ..... 25
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Childhood obesity intervention studies: A narrative review and guide for investigators, authors,
111 editors, reviewers, journalists, and readers to guard against exaggerated effectiveness claims. Obesity
$3.1 \quad 25$ Reviews, 2019, 20, 1523-1541.

112 What are the Most Important Statistical Ideas of the Past 50 Years?. Journal of the American Statistical

113 Letter to the editors regarding some papers of Dr. Satoshi Kanazawa. Journal of Theoretical Biology, 2007, 245, 597-599.

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114 Political attitudes in social environments. Behavioral and Brain Sciences, 2015, 38, el44.

115 Evidence on the deleterious impact of sustained use of polynomial regression on causal inference.
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A Note on Bivariate Distributions That are Conditionally Normal. American Statistician, 1991, 45,
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119 Regression Modeling and Meta-Analysis for Decision Making. Journal of Business and Economic
Statistics, 2003, 21, 213-225.1.820
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120 Revised evidence for statistical standards. Proceedings of the National Academy of Sciences of theUnited States of America, 2014, 111, E1933.
122 Ethics and Statistics: Honesty and Transparency Are Not Enough. Chance, 2017, 30, 37-39.0.120

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121 Working Through Some Issues. Significance, 2015, 12, 33-35. ..... 20
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| 127 | Bayesian inference under cluster sampling with probability proportional to size. Statistics in Medicine, 2018, 37, 3849-3868. | 0.8 | 18 |
| 128 | How to embrace variation and accept uncertainty in linguistic and psycholinguistic data analysis. Linguistics, 2021, 59, 1311-1342. | 0.5 | 18 |
| 129 | Manipulating and summarizing posterior simulations using random variable objects. Statistics and Computing, 2007, 17, 235-244. | 0.8 | 17 |
| 130 | Bayesian aggregation of average data: An application in drug development. Annals of Applied Statistics, 2018, 12, . | 0.5 | 17 |
| 131 | Type M Error Might Explain Weisburdấ $\mathbb{T M}^{\text {S }}$ Paradox. Journal of Quantitative Criminology, 2020, 36, 295-304. | 2.0 | 16 |
| 132 | Method of Moments Using Monte Carlo Simulation. Journal of Computational and Graphical Statistics, 1995, 4, 36-54. | 0.9 | 15 |
| 133 | Weighted Classical Variogram Estimation for Data With Clustering. Technometrics, 2007, 49, 184-194. | 1.3 | 15 |
| 134 | 19 Things We Learned from the 2016 Election. Statistics and Public Policy (Philadelphia, Pa ), 2017, 4, 1-10. | 0.7 | 15 |
| 135 | A Default Prior Distribution for Logistic and Other Regression Models. SSRN Electronic Journal, 0, , | 0.4 | 15 |
| 136 | Preregistration of Studies and Mock Reports. Political Analysis, 2013, 21, 40-41. | 2.8 | 14 |
| 137 | Fallout of Lead Over Paris From the 2019 Notreâ€Dame Cathedral Fire. GeoHealth, 2020, 4, e2020GH000279. | 1.9 | 13 |
| 138 | Know your population and know your model: Using model-based regression and poststratification to generalize findings beyond the observed sample.. Psychological Methods, 2021, 26, 547-558. | 2.7 | 13 |
| 139 | Accounting for uncertainty during a pandemic. Patterns, 2021, 2, 100310. | 3.1 | 13 |
| 140 | Comment: Fuzzy and Bayesian p-Values and u-Values. Statistical Science, 2005, 20, . | 1.6 | 13 |
| 141 | Bayesian Hierarchical Stacking: Some Models Are (Somewhere) Useful. Bayesian Analysis, 2022, 17, . | 1.6 | 12 |
| 142 | Rich State, Poor State, Red State, Blue State: What's the Matter with Connecticut?. SSRN Electronic Journal, 2005, , . | 0.4 | 11 |
| 143 | Bayesian Hierarchical Classes Analysis. Psychometrika, 2008, 73, 39-64. | 1.2 | 10 |
| 144 | Ethics in statistical practice and communication: Five recommendations. Significance, 2018, 15, 40-43. | 0.3 | 10 |

Comment on â€œPost-hoc Power Using Observed Estimate of Effect Size is too Noisy to be Usefulâ€:2.1Annals of Surgery, 2019, 270, e64.Voter Registration Databases and MRP: TowardÂtheÂUse of Large-Scale Databases in PublicÂOpinionResearch. Political Analysis, 2020, 28, 507-531.10
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Robust Cognitive Modeling. Computational Brain \& Behavior, 2019, 2, 210-217. ..... $0.9 \quad 9$150 Holes in Bayesian statistics 〈sup>*</sup>. Journal of Physics G: Nuclear and Particle Physics, 2021, 48,1.49
151 An Updated Dynamic Bayesian Forecasting Model for the US Presidential Election. , 2020, 2, .9
152 A Course on Teaching Statistics at the University Level. American Statistician, 2005, 59, 4-7. 0.9 ..... 8
153 Benefits and limitations of randomized controlled trials: A commentary on Deaton and Cartwright.
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and Statistics, 2005, , 1-13.Teaching Bayes to Graduate Students in Political Science, Sociology, Public Health, Education,0.9Economics, â€ . American Statistician, 2008, 62, 202-205.Bridges between deterministic and probabilistic models for binary data. Statistical Methodology, 2010,

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Objective Randomised Blinded Investigation With Optimal Medical Therapy of Angioplasty in Stable170 Angina (ORBITA) and coronary stents: A case study in the analysis and reporting of clinical trials.American Heart Journal, 2019, 214, 54-59.
171 Social penumbras predict political attitudes. Proceedings of the National Academy of Sciences of theUnited States of America, 2021, 118,
173 Failure and Success in Political Polling and Election Forecasting. Statistics and Public Policy
(Philadelphia, Pa ), 2021, 8, 67-72.
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Beyond Vaccination Rates: A Synthetic Random Proxy Metric of Total SARS-CoV-2 ImmunitySeroprevalence in the Community. Epidemiology, 2022, 33, 457-464.
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Some Class-Participation Demonstrations for Decision Theory and Bayesian Statistics. American0.9Statistician, 1998, 52, 167-174.183 Bridging across Changes in Classification Systems. Wiley Series in Probability and Statistics, 2005, ,$0.0 \quad 3$
$185 \begin{aligned} & \text { The Sampling/Importance Resampling Algorithm. Wiley Series in Probability and Statistics, 2005, , } \\ & 265-276 \text {. }\end{aligned}$ 0.0 ..... 3186 Applying Structural Equation Models with Incomplete Data. Wiley Series in Probability and Statistics,2005, , 331-342.
187 Splitting a Predictor at the Upper Quarter or Third and the Lower Quarter or Third. SSRN Electronic
188 The Twentieth-Century Reversal: How Did the Republican States Switch to the Democrats and ViceVersa?. Statistics and Public Policy (Philadelphia, Pa ), 2014, 1, 1-5.The Implementation of Randomization Requires Corrected Analyses. Comment on â€œComprehensive189 Nutritional and Dietary Intervention for Autism Spectrum Disorderâ $€$ "A Randomized, Controlled12-Month Trial, Nutrients 2018, 10, 369â€: Nutrients, 2019, 11, 1126.
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