

ROBERT JOHN TIBSHIRANI

March 2007

580 Saint Claire Dr.
Palo Alto, California. 94306

Born in Canada- July 10, 1956. Married. Three Children.

ACADEMIC POSITIONS

- 8/98- Professor, Department of Health Research and Policy, and Department of Statistics, Stanford University.
- 7/94-8/98 Professor, Department of Public Health Sciences, and Department of Statistics, University of Toronto.
- 7/89-6/94 Associate Professor (NSERC University Research Fellow), Department of Preventive Medicine and Biostatistics, and Department of Statistics, University of Toronto.
- 7/85-6/89 Assistant Professor (NSERC University Research Fellow), Department of Preventive Medicine and Biostatistics, and Department of Statistics, University of Toronto.
- 7/89-7/94 Associate Professor, Department of Statistics, University of Toronto
- 7/85-6/89 Assistant Professor, Department of Statistics, University of Toronto
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EDUCATION

- 12/84 **Stanford University**, Stanford, California Ph.D., Department of Statistics (adviser Bradley Efron)
- 5/80 **University of Toronto**, Toronto, Canada- Masters Degree in Statistics
- 4/79 **University of Waterloo**, Waterloo, Canada- Bachelors Degree in Statistics and Computer Science
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AWARDS AND HONOURS

- 3/07 - IMS medallion lecturer
- 6/01 - Fellow, Royal Society of Canada

6/00	CRM-SSC (Statistical Society of Canada) Prize
4/97	NSERC E.W.R. Steacie Fellow
9/96	COPSS (Committee of Presidents of Statistical Societies) (worldwide) award, for contributions to Statistics before the age of 40
9/94	J. Guggenheim Foundation Fellowship
8/94	Fellow of the Institute of Mathematical Statistics
8/93	Fellow of the American Statistical Association
9/91-6/93	Member of NSERC Grant Selection Committee
6/91-6/94	Member of Institute Mathematical Statistics Council
7/85-6/90	Natural Sciences and Engineering Research Council University Research Fellowship (5 year award)
1/85- 7/85	Ministry of Health, Ontario Post-doctoral fellowship
6/84	Winner (Best presentation) “Bootstrap Confidence Intervals”, WNAR Student Paper Competition, Logan Utah
6/82- 6/83	President , Graduate Students Association, Department of Statistics, Stanford University
7/81	Winner Institute of Mathematical Statistics Data Analysis Competition
6/81- 12/84	Natural Sciences and Engineering Research Council of Canada Post-Graduate Scholarship
9/80	University of Toronto Open Fellowship
11/77	Putnam Math Competition- 62nd in North America
9/74- 4/78	University of Waterloo- Descartes Fellowship
4/74	Ontario Senior Math Competition- 14th in Canada

PROFESSIONAL ACTIVITIES

2006-	Associate Editor, Annals of Applied Statistics
1995-	Referee for many major journals

2001-2004-	Associate editor - PLOS biology .
1999	Screening panel, National Science Foundation
1998-	Associate editor - Annals of Statistics.
1995-	Associate editor - Statistical Science.
1995-1997	Associate editor, Can. J. Stat.
1995-	Chair, IMS committee on computerization
1995-6	Program chair, Statistical Computing, ASA
1994	Program chair, SSC annual meeting in Banff
1994	Series Editor- Chapman and Hall Computing and Graphics monographs
1989-1992	Member- Statistical sciences grant selection committee, Natural Sciences and Engineering Research Council
1986-1995	Associate editor in Theory and Methods section, Journal of the American Statistical Association.
1988-1991	Associate editor, Canadian Journal of Statistics.
1985-	Referee for the Annals of Statistics, Journal of the American Statistical Association, Technometrics, Biometrics, International Statistical Institute review, Biometrika, Canadian Journal of Statistics, Annal of Institute of Mathematical Statistics, Brazilian Journal fo Statistics, and the American Statistician

Reviewer for the National Science Foundation and the Office of Naval Research.

INVITED WORKSHOPS AND TALKS

- 1985 American Statistical Association short course on the Bootstrap, with B. Efron, Las Vegas, Nevada
American Statistical Association annual meeting, Las Vegas, Nevada
- 1986 Statistics and data analysis group, AT&T Bell labs
SAS users group meeting, Reno, Nevada
New Jersey Chapter of the ASA, Morristown, New Jersey
Department of Economics, University of Western Ontario
Statistical Society of Canada, Annual meeting, Banff
American Statistical Association, Annual meeting, Chicago (2 seminars)
Department of Statistics, University of Waterloo (1st Toronto-Waterloo joint seminar)
Department of Statistics, Stanford University
- 1987 Statistics and data analysis group, AT&T Bell labs (2 seminars)
Department of Statistics, University of Toronto
Department of Mathematics, York University
ASA annual meeting, San Francisco.
- 1988 Department of Mathematics, McMaster University
Department of Statistics, Yale University
Department of Statistics, Harvard University
IMS Regional meeting, Boston
Department of Mathematics, Statistics, and Computer Science, Dalhousie University
- 1989 Department of Statistics, University of Rochester.
Statistics Day, Ottawa.
Short course on generalized additive models, SSC annual meeting, Ottawa.
Statistics group, AT+T Bell Labs
- 1990 Bootstrap workshop, Wayne State University
Dept. of Statistics, Univ. of Waterloo
Dept. of Biostatistics, Johns Hopkins University
American Statistical Association short course on the Generalized additive models, with T. Hastie.
American Statistical Association annual meeting, Anaheim, California
- 1991 Statistics day, Ottawa
AT&T Bell Labs
Dept. of Statistics, Univ. of Toronto
- 1992 American Statistic Association annual meeting
Statistical Society of Canada, Annual meeting
Dept. of Statistics, Stanford
- 1993 Royal Statistical Society discussion paper, London.
Dept of Statistics, Oxford
Depts of Statistics and Biostatistics, Glasgow

- Dept of Statistics, Bath
 Neural nets/statistic NATO workshop, Les Arcs France
 Dept of Statistics, York University
- 1994 AT&T Bell Labs Statistic group
 Dept. of Biostatistics, Univ. of Michigan
 Dept. of Statistics, Univ. of Chicago
 Univ. of South Florida Dept. of Biostatistics
 Invited lecturer, Neural Networks conference, Snowbird, Utah
- 1995 Stanford-Berkeley joint seminar
 Ricoh corporation
 Statistics-CS seminar, Univ. of California, Berkeley
 Neural nets workshop, Vail Colorado
 Dept. of Statistics, Georgia Tech
 AT&T Lecturer, ASA section, Atlanta
 OCTRF/PMH Seminar series
- 1996 Cleveland Clinic- gave 2 day workshop on Modern Reg. & Classification
 Dept of Statistics, Case Western Reserve Univ.
 Univ. of Montreal- 2 talks at workshop on Neural Networks
 Palo Alto, California- gave 2 day workshop on Modern Reg. & Classification
- 1997 Honolulu, Hawaii gave 2 day workshop on Modern Reg. & Classification
 New York City gave 2 day workshop on Modern Reg. & Classification
 Univ. of Washington- Data mining workshop
 Univ. of Waterloo Statistics seminar
 AT&T Labs inaugural statistics seminar
- 1998 Washington D.C gave 2 day workshop on Modern Reg. & Classification
 Univ. of Western Ontario- Statistics seminar
 Univ. of Toronto- Statistics seminar
- 1999 Keynote address, S-PLUS users conference
 Invited special lecture, WNAR conference
- 2000 Plenary Lecture, National Academy of Sciences chairs meeting
 Invited lecture, IPAM genetics conference, UCLA
- 2006 Invited lecturer, Dempster Symposium
- 2007 IMS Medallion lecture, Atlanta
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STUDENT SUPERVISION

Larry Wasserman Ph.D. (Biostatistics) (1988) “Statistical inference based on belief functions” (co-supervised with D. Andrews). Now on faculty at Carnegie-Mellon University.

Penny Brasher Ph.D. (Biostatistics) 1989 “Residuals for the Cox model”. Now at Alberta Cancer Board.

Yong Hao Ph.D. 1990 (Biostatistics) “Resistant estimation for binary data”. Now at Ontario Cancer Institute.

James Stafford Ph.D. (Statistics) (1991) “Robust estimates of variance”. Now on faculty at Univ. of Toronto

Margaret Oberc Ph.D. (Statistics) (1992) “Tree-structured survival analysis”.

Sunil Rao Ph.D. (1994) (Biostatistics) “Model selection techniques” Now on faculty at Case Western Reserve Univ.

Kiros Berhani Ph.D. (1994) (Biostatistics) “Additive models with dependent data” Now on faculty at USC.

Majid Mojirsheibani Ph.D. (Statistics) (1995) “Bootstrap prediction intervals” . Now on faculty at Carleton.

Boxin Tang (postdoc) (1993-1994)

Marguerite Ennis Ph.D. (Statistics) (1996) “Additive relative risk models”

Rafal Kustra MSc. (1996) (Biostatistics) “Soft trees”

Weijeng Fu Ph.D. (1998) (Biostatistics) “The bridge estimator” Now on faculty at Michigan State Univ.

Carmen Mak Ph.D. (1999) (Biostatistics) “Polychotomous logistic regression”. Now at Roche Labs, New Jersey

Ed Susko (postdoc) (1997-1998). Now on faculty at Dalhousie

Rafal Kustra Ph.D. (2000) (Biostatistics) “Problems in medical imaging”. Will join Univ. of Toronto July 1, 2001.

John Storey, PhD (2002) “False discovery rates”. Now at Univ of Washington.

Ilana Belitskaya, Ph.D (2003) (Statistics). “Two-way clustering”. Now at NYU.

Pei Wang, Ph.D. (2004) “Statistics for CGH arrays”. Now at FHCRC

Eric Bair (PhD) (2004) “Predicting survival time from expression data”.

Ron Yu (PhD) (2005) ”Clustering and prediction”

Current students Sisi Kapp, Yaqian Guo, Gen Nowak.

RESEARCH CONTRIBUTIONS

Books

- Hastie, T., Tibshirani, R. and J. Friedman. The Elements of Statistical Learning: Data Mining, Inference and Prediction, Springer-Verlag, New York, 2001.
- Efron, B. and R. Tibshirani. An Introduction to the Bootstrap. Chapman and Hall, New York and London, 1993.
- Hastie, T. and R. Tibshirani. Generalized Additive Models, Chapman and Hall, London, 1990.

Refereed Journal Publications

–2007–

- Rob Tibshirani and Pei Weng (2007) Spatial smoothing via the fused lasso. To appear, Biostatistics.
- Chan SM, Weng AP, Tibshirani R, Aster JC, Utz PJ. Notch signals positively regulate activity of the mTOR pathway in T cell acute lymphoblastic leukemia. Blood. 2007 Mar 15;
- Nicolau M, Tibshirani R, Borresen-Dale AL, Jeffrey SS. Disease-Specific Genomic Analysis: Identifying the Signature of Pathologic Biology. Bioinformatics. 2007 Feb 3;
- Bradley Efron and Rob Tibshirani (2007) On testing the significance of sets of genes. Annals of Applied Statistics
- Debashis Paul, Eric Bair, Trevor Hastie, Rob Tibshirani (2007) “Pre-conditioning” for feature selection and regression in high-dimensional problems. To appear, Annals of Statistics.
- Trevor Hastie, Jon Taylor, Rob Tibshirani, Guenther Walther (2006). Forward Stagewise Regression and the Monotone Lasso. To appear, Elect. J. Stat.
- Rob Tibshirani and Trevor Hastie (2007). Margin trees for high-dimensional classification. To appear, J. Mach. Learn. Res.
- Park MY, Hastie T, Tibshirani R. Averaged gene expressions for regression. Biostatistics. 2007 Feb 19;
- Park MY, Hastie T, Tibshirani R. Averaged gene expressions for regression. Biostatistics. 2007 Feb 19;o
- Le QT, Chen E, Salim A, Cao H, Kong CS, Whyte R, Donington J, Cannon W, Wakelee H, Tibshirani R, Mitchell JD, Richardson D, O’Byrne KJ, Koong AC, Giaccia AJ. An evaluation of tumor oxygenation and gene expression in patients with early stage non-small cell lung cancers. Clin Cancer Res. 2006 Mar 1;12(5):1507-14.
- Tsai CJ, Herrera-Goepfert R, Tibshirani RJ, Yang S, Mohar A, Guarner J, Parsonnet J. Changes of gene expression in gastric preneoplasia following Helicobacter pylori eradication therapy. Cancer Epidemiol Biomarkers Prev. 2006 Feb;15(2):272-80.

–2006–

- Bergamaschi A, Kim YH, Wang P, Sorlie T, Hernandez-Boussard T, Lonning PE, Tibshirani R, Borresen-Dale AL, Pollack JR. Distinct patterns of DNA copy number alteration are associated with different clinicopathological features and gene-expression subtypes of breast cancer. *Genes Chromosomes Cancer*. 2006 Nov;45(11):1033-40.
- He XS, Ji X, Hale MB, Cheung R, Ahmed A, Guo Y, Nolan GP, Pfeffer LM, Wright TL, Risch N, Tibshirani R, Greenberg HB. Global transcriptional response to interferon is a determinant of HCV treatment outcome and is modified by race. *Hepatology*. 2006 Aug;44(2):352-9.
- Kapp AV, Jeffrey SS, Langerod A, Borresen-Dale AL, Han W, Noh DY, Bukholm IR, Nicolau M, Brown PO, Tibshirani R. Discovery and validation of breast cancer subtypes. *BMC Genomics*. 2006 Sep 11;7:231.
- Rob Tibshirani and Trevor Hastie (2006) Outlier sums for differential gene expression analysis. *Biostatistics*.
- Tibshirani, R. (2006). A simple method for assessing sample sizes in microarray experiments *BMC Bioinformatics*. 2006 Mar 2;7(1):106
- Tsai CJ, Herrera-Goepfert R, Tibshirani RJ, Yang S, Mohar A, Guarner J, Parsonnet J. (2006). Changes of gene expression in gastric preneoplasia following *Helicobacter pylori* eradication therapy. *Cancer Epidemiol Biomarkers Prev*. 2006 Feb;15(2):272-80.
- Gene expression profiling predicts survival in conventional renal cell carcinoma. *PLoS Med*. 2006 Jan;3(1):e13. Epub 2005 Dec 6.
- Eric Bair, Trevor Hastie, Debashis Paul, Rob Tibshirani. . Prediction by supervised principal components. *J. Amer. Statist. Assoc.*, March 2006.

–2005–

- Wang P, Kim Y, Pollack J, Narasimhan B, Tibshirani R. Related Articles, Links Abstract A method for calling gains and losses in array CGH data. *Biostatistics*. 2005 Jan;6(1):45-58.
- Tabibiazar R, Wagner RA, Spin JM, Ashley EA, Narasimhan B, Rubin EM, Efron B, Tsao PS, Tibshirani R, Quertermous T. (2005). Mouse strain-specific differences in vascular wall gene expression and their relationship to vascular disease. *Arterioscler Thromb Vasc Biol*. 2005 Feb;25(2)
- Tabibiazar R, Wagner RA, Ashley EA, King JY, Ferrara R, Spin JM, Sanan DA, Narasimhan B, Tibshirani R, Tsao PS, Efron B, Quertermous T. (2005). Signature patterns of gene expression in mouse atherosclerosis and their correlation to human coronary disease. *Physiol Genomics*. 2005 Jul 14;22(2):213-26.
- Kim YH, Girard L, Giacomini CP, Wang P, Hernandez-Boussard T, Tibshirani R, Minna JD, Pollack JR. (2005). Combined microarray analysis of small cell lung cancer reveals altered apoptotic balance and distinct expression signatures of MYC family gene amplification. *Oncogene*. 2006 Jan 5;25(1):130-8.

- Chang HY, Nuyten DS, Sneddon JB, Hastie T, Tibshirani R, Sorlie T, Dai H, He YD, van't Veer LJ, Bartelink H, van de Rijn M, Brown PO, van de Vijver MJ. (2005). Robustness, scalability, and integration of a wound-response gene expression signature in predicting breast cancer survival. *PNAS* Mar 8;102(10):3738-43.
- Bashyam MD, Bair R, Kim YH, Wang P, Hernandez-Boussard T, Karikari CA, Tibshirani R, Maitra A, Pollack JR. (2005) Array-based comparative genomic hybridization identifies localized DNA amplifications and homozygous deletions in pancreatic cancer. *Neoplasia*. 2005 Jun;7(6):556-62.
- Taylor, J. and Tibshirani, R.(2005). A tail strength measure for assessing the overall significance in a dataset. *Biostatistics*, Dec. 6.
- Chipman, H. and Tibshirani, R. (2005.) Hybrid Hierarchical Clustering with Applications to Microarray Data". *Biostatistics*, Nov. 21, 2005.
- Jon Taylor, Rob Tibshirani and Brad Efron. (2005) The "Miss rate" for the analysis of gene expression data. *Biostatistics* 2005 6(1):111-117.
- Sharma P, Sahni NS, Tibshirani R, Skaane P, Urdal P, Berghagen H, Jensen M, Kristiansen L, Moen C, Sharma P, Zaka A, Arnes J, Sauer T, Akslen LA, Schlichting E, Borresen-Dale AL, Lonneborg A. (2005) Early detection of breast cancer based on gene-expression patterns in peripheral blood cells. *Breast Cancer Res*. 2005;7(5):R634-44.
- 2004-
- Huang ST, Vo KC, Lyell DJ, Faessen GH, Tulac S, Tibshirani R, Giaccia AJ, Giudice LC. (2004). Developmental response to hypoxia. *FASEB J*. 2004 Sep;18(12):1348-65.
- Trevor Hastie, Saharon Rosset, Rob Tibshirani and Ji Zhu. The Entire Regularization Path for the Support Vector Machine (2004). *JMLR*, 5(Oct) 1391-1415.
- Trevor Hastie and Robert Tibshirani. Efficient Quadratic Regularization for Expression Arrays. *Biostatistics* (2004), 5(3), pp 329-340
- Lossos IS, Czerwinski DK, Alizadeh AA, Wechsler MA, Tibshirani R, Botstein D, Levy R. Prediction of survival in diffuse large-B-cell lymphoma based on the expression of six genes. *N Engl J Med*. 2004 Apr 29;350(18):1828-37.
- Rieger KE, Hong WJ, Tusher VG, Tang J, Tibshirani R, Chu G. Toxicity from radiation therapy associated with abnormal transcriptional responses to DNA damage. *Proc Natl Acad Sci U S A*. 2004 Apr 27;101(17):6635-40. Epub 2004 Apr 19.
- Bair E, Tibshirani R. Semi-supervised methods to predict patient survival from gene expression data. *PLoS Biol*. 2004 Apr;2(4):E108. Epub 2004 Apr 13.
- Bullinger L, Dohner K, Bair E, Frohling S, Schlenk RF, Tibshirani R, Dohner H, Pollack JR. Use of gene-expression profiling to identify prognostic subclasses in adult acute myeloid leukemia. *N Engl J Med*. 2004 Apr 15;350(16):1605-16.
- Munagala K, Tibshirani R, Brown PO. Cancer characterization and feature set extraction by discriminative margin clustering. *BMC Bioinformatics*. 2004 Mar 03;5(1):21.

- Zhao H, Langerod A, Ji Y, Nowels KW, Nesland JM, Tibshirani R, Bukholm IK, Karesen R, Botstein D, Borresen-Dale AL, Jeffrey SS. Different gene expression patterns in invasive lobular and ductal carcinomas of the breast. *Mol Biol Cell*. 2004 Mar 19 [Epub ahead of print]
- Naylor CD, Sinclair M, Tibshirani R. Flawed analysis, implausible results—move on. (discussion of paper by G. Hill) *CMAJ*. 2004 Feb 3;170(3):357-8.
- Lapointe J, Li, C. Higgins JP, van de Rijn M, Bair E, Montgomery K, Ferrari M, Egevad L, Rayford W, Bergerheim U, Ekman P, DeMarzo AM, Tibshirani R, Botstein D, Brown PO, Brooks JD, Pollack JR. Related Articles, Gene expression profiling identifies clinically relevant subtypes of prostate cancer. *Proc Natl Acad Sci U S A*. 2004 Jan 20;101(3):811-6.
- 2003–
- Fan Z, Natkunam Y, Bair E, Tibshirani R, Warnke RA. Related Articles, Characterization of variant patterns of nodular lymphocyte predominant hodgkin lymphoma with immunohistologic and clinical correlation. *Am J Surg Pathol*. 2003 Oct;27(10):1346-56.
- Soltys SG, Shi G, Tibshirani R, Giaccia AJ, Koong AC, Le Q. The use of plasma SELDI-TOF MS proteomic patterns for detection of head and neck squamous cell cancers (HNSCC). *Int J Radiat Oncol Biol Phys*. 2003 Oct 1;57(2 Suppl):S202. No abstract available.
- Schaner ME, Ross DT, Ciaravino G, Sorlie T, Troyanskaya O, Diehn M, Wang YC, Duran GE, Sikic TL, Caldeira S, Skomedal H, Tu IP, Hernandez-Boussard T, Johnson SW, O'Dwyer PJ, Fero MJ, Kristensen GB, Borresen-Dale AL, Hastie T, Tibshirani R, van de Rijn M, Teng NN, Longacre TA, Botstein D, Brown PO, Sikic BI. Gene expression patterns in ovarian carcinomas. *Mol Biol Cell*. 2003 Nov;14(11):4376-86. Epub 2003 Sep 05.
- Storey JD, Tibshirani R. Statistical significance for genomewide studies. *Proc Natl Acad Sci U S A*. 2003 Aug 5;100(16):9440-5. Epub 2003 Jul 25.
- Redelmeier DA, Tibshirani RJ, Evans L. Related Articles, Traffic-law enforcement and risk of death from motor-vehicle crashes: case-crossover study. *Lancet*. 2003 Jun 28;361(9376):2177-82.
- Sorlie T, Tibshirani R, Parker J, Hastie T, Marron JS, Nobel A, Deng S, Johnsen H, Pesich R, Geisler S, Demeter J, Perou CM, Lonning PE, Brown PO, Borresen-Dale AL, Botstein D. Repeated observation of breast tumor subtypes in independent gene expression data sets. *Proc Natl Acad Sci U S A*. 2003 Jul 8;100(14):8418-23. Epub 2003 Jun 26.
- Storey JD, Tibshirani R. Statistical methods for identifying differentially expressed genes in DNA microarrays. *Methods Mol Biol*. 2003;224:149-57. No abstract available.
- Lossos IS, Alizadeh AA, Rajapaksa R, Tibshirani R, Levy R. HGAL is a novel interleukin-4-inducible gene that strongly predicts survival in diffuse large B-cell lymphoma. *Blood*. 2003 Jan 15;101(2):433-40.

- Tibshirani RJ, Hastie T, Narasimhan B, and G. Chu. Class Prediction by Nearest Shrunken Centroids, with Applications to DNA Microarrays. *Statistical Science*, 18, 1, 101-117.
- 2002—
- Efron B, Tibshirani R. Empirical bayes methods and false discovery rates for microarrays. *Genet Epidemiol.* 2002 Jun;23(1):70-86.
- Pollack JR, Sorlie T, Perou CM, Rees CA, Jeffrey SS, Lonning PE, Tibshirani R, Botstein D, Borresen-Dale AL, Brown PO. Microarray analysis reveals a major direct role of DNA copy number alteration in the transcriptional program of human breast tumors. *Proc Natl Acad Sci U S A.* 2002 Oct 1;99(20):12963-8. Epub 2002 Sep 24.
- DePrimo SE, Diehn M, Nelson JB, Reiter RE, Matese J, Fero M, Tibshirani R, Brown PO, Brooks JD. Transcriptional programs activated by exposure of human prostate cancer cells to androgen. *Genome Biol.* 2002 Jun 14;3(7):
- van de Rijn M, Perou CM, Tibshirani R, Haas P, Kallioniemi O, Kononen J, Torhorst J, Sauter G, Zuber M, Kochli OR, Mross F, Dieterich H, Seitz R, Ross D, Botstein D, Brown P. Related Articles, Expression of cytokeratins 17 and 5 identifies a group of breast carcinomas with poor clinical outcome. *Am J Pathol.* 2002 Dec;161(6):1991-6. Erratum in: *Am J Pathol.* 2003 Jul;163(1):377.
- Tibshirani RJ, Hastie T, Narasimhan B, and G. Chu. Diagnosis of Multiple Cancer Types by Shrunken Centroids of Gene Expression. *Proceedings of the National Academy of Sciences of the United States of America*, v.99(10), pp.6567-6572, May 14, 2002.
- Tsai CJ, Tibshirani R, De Arruda SM, Yang SF, and J. Parsonnet. Genomic Analysis of Gastric Cancer in H-pylori Infected Patients. *Gastroenterology*, v.122(4/S1), pp.A173-A173, April 2002.
- Wang, Yulei, Liu, Chih Long, Storey, John D, Tibshirani, Robert J, Herschlag, D, and Patrick O. Brown. Precision and Functional Specificity in mRNA Decay. *Proceedings of the National Academy of Sciences of the United States of America*, v.99(9), pp.5860-5865, April 30, 2002.
- Tibshirani, R, Hastie, T, Narasimhan, B, Eisen, M, Sherlock, G, Brown, P, and D. Botstein. Exploratory Screening of Genes and Clusters from Microarray Experiments. *Statistica Sinica*, v.12(1), pp.47-59, JAN 2002. sso
- Higgins, JPT, Shinghal, R, Reese, JH, Terris, M, Cohen, RJ, Tibshirani, R, Sherlock, G, Fero, M, Pollack, JR, and PO Brown. Gene Expression Profiles in Renal Cell Carcinoma Assessed by Complementary DNA Microarray. *Modern Pathology*, v.15(1), pp.164A-164A, January 2002.
- Higgins, JPT, Shinghal, R, Reese, JH, Terris, M, Cohen, RJ, Tibshirani, R, Sherlock, G, Fero, M, Pollack, JR, and PO Brown. Gene Expression Profiles in Renal Cell Carcinoma Assessed by Complementary DNA Microarray. *Laboratory Investigation*, v.82(1) pp.164A-164A, January 2002.
- van de Rijn, M, Perou, C, Tibshirani, R, Kallioniemi, O, Kononen, J, Sauter, G, Botstein, D, and P. Brown. Tissue Microarray Analysis of Cytokeratin 17 and 5 Expression Shows

Association with Poor Clinical Outcome in Breast Carcinoma. *Modern Pathology*, v.15(1), pp.55A-55A, January 2002.

van de Rijn, M, Perou, C, Tibshirani, R, Kallioniemi, O, Kononen, J, Sauter, G, Botstein, D, and P. Brown. Tissue Microarray Analysis of Cytokeratin 17 and 5 Expression Shows Association with Poor Clinical Outcome in Breast Carcinoma. *Laboratory Investigation*, v.82(1), pp.55A-55A, January 2002.

— 2001—

Hastie, T, Tibshirani, R, Botstein, D, and P Brown. Supervised Harvesting of Expression Trees. *Genome Biol.* 2001;2(1): ??, 2001.

Tibshirani, Robert, Hastie, Trevor, Narasimhan, Balasubramanian, Eisen, Michael, Sherlock, Gavin, Brown, Pat, and David Botstein. Exploratory Screening of Genes and Clusters from Microarray Experiments. *Statistica Sinica*, 2001.

Efron, Bradley, Tibshirani, Robert, Storey, John D, and Virginia Tusher. Empirical Bayes Analysis of a Microarray Experiment. *Journal of the American Statistical Association*, v.96(456), pp.1151-1160, December 2001.

Susko E, Bronskill MJ, Graham SJ, and Robert J Tibshirani. Estimation of Relaxation Time Distributions in Magnetic Resonance Imaging. *Canadian Journal of Statistics-Revue Canadienne de Statistique*, v.29(3), pp.379-394, September 2001.

Sorlie, Therese, Perou, C, Tibshirani, Robert, Aas, Turid, Geisler, Stephanie, Johnsenb, Hilde, Hastie, Trevor, Eisen, Michael B, van de Rijn, Matt, Jeffrey, Stefanie S, Thorsen, Thor, Quist, Hanne, Matese, John C, Brown, Patrick O, Botstein, David, Lonningg, Per Eystein, and Anne-Lise Borresen-Daleb. Gene Expression Patterns of Breast Carcinomas Distinguish Tumor Subclasses with Clinical Implications. *PNAS* 98:10869-10874, 2001.

Tusher, VG, Tibshirani, R, and G Chu. Significance Analysis of Microarrays Applied to the Ionizing Radiation Response (vol 98, pg 5116, 2001). *Proceedings of the National Academy of Sciences of the United States of America*, v.98(18), pp10515-10515, August 28, 2001.

Lossos, IS, Jones, CD, Warnke, R, Natkunam, Y, Kaizer, H, Zehnder, JL, Tibshirani, R, and R Levy. Expression of a Single Gene, BCL-6, Strongly Predicts Survival in Patients with Diffuse Large B-cell Lymphoma. *Blood*, v.98(4), pp.945-951, August 15, 2001

Troyanskaya, O, Cantor, M, Sherlock, G, Brown, P, Hastie, T, Tibshirani, R, Botstein, D, and RB Altman. Missing Value Estimation Methods for DNA Microarrays. *Bioinformatics*, v.17(6), pp.520-525, June 2001.

Tibshirani, R, Walther, G, and Trevor Hastie. Estimating the Number of Clusters in a Data Set via the Gap Statistic. *Journal of the Royal Statistical Society, Series B-Statistical Methodology*, v.63(pt.2), pp.411-423, 2001.

Redelmeier, DA, and RJ Tibshirani. Car Phones and Car Crashes: Some Popular Misconceptions. *Canadian Medical Association Journal*, v.164(11), pp.1581-1582, May 29, 2001.

- Tusher, VG, Tibshirani, R, and G Chu. Significance Analysis of Microarrays Applied to the Ionizing Radiation Response. *Proceedings of the National Academy of Sciences of the United States of America*, v.98(9), pp.5116-5121, April 24, 2001.
- Natkunam, Y, Warnke, R, Alizadeh, A, Tibshirani, R, Horning, S, and M van de Rijn. BCL-6 Protein Expression Predicts Improved Survival in Patients with Diffuse Large B-cell Lymphoma. *Modern Pathology*, v.14(1) pp.173A-173A, January 2001.
- 2000—
- Lossos, IS, Okada, CY, Tibshirani, R, Warnke, R, Vose, JM, Greiner, TC, and R Levy. Molecular Analysis of Immunoglobulin Genes in Diffuse Large B-cell Lymphomas. *Blood*, 95(5), pp.1797-803, March 1, 2000.
- Tibshirani, Robert, Walther, Guenther and Trevor Hastie. "Estimating the Number of Clusters in a Dataset via the Gap Statistic." *JRSSB*, 2000.
- Lossos, I, Tibshirani, R, Balasubramanian, N, and R Levy. The Inference of Antigen Selection on Immunoglobulin Genes. *J Immunol.* 165(9), pp.5122-6, November 1, 2000.
- Friedman, J, Hastie, T, and Robert Tibshirani. Additive Logistic Regression: A Statistical View of Boosting. *Annals of Statistics (With Discussion)*, v28,2, pp.337-407, 2000.
- Hastie, T, and R Tibshirani. Bayesian Backfitting (With Discussion). *Statistical Science*, 2000.
- Alizadeh, AA, Eisen, MB, Davis, RE, Ma, C, Lossos, IS, Rosenwald, A, Boldrick, JC, Sabet, H, Tran, T, Yu, X, Powell, JI, Yang, L, Marti, GE, Moore, T, Hudson, J, Jr, Lu, L, Lewis, DB, Tibshirani, R, Sherlock, G, Chan, WC, Greiner, TC, Weisenburger, DD, Armitage, JO, Warnke, R, Staudt, LM, et al. "Distinct Types of Diffuse Large B-cell Lymphoma Identified by Gene Expression Profiling." *Nature* 403, pp.503-511, 2000.
- Redelmeier, DA and RJ Tibshirani. Are Those Other Drivers Really Going Faster? *Chance*, 13:8-14, 2000.
- Hastie, T., Tibshirani, R., Eisen, M., Alizadeh, A, Levy, R, Staudt, L, Botstein, D, and P Brown. Identifying Distinct Sets of Genes with Similar Expression Patterns via "Gene Shaving." *Genome Biology*, 1(2), pp.1-21, 2000.
- 1999—
- Tibshirani, R, and K Knight. Model Search and Inference via Bootstrap Bumping. *J. Computational and Graphical Statistics*, 1999.
- Hastie, T, Ikeda, D, and R Tibshirani. Statistical Measures for the Computer-Aided Diagnosis of Mammograms. *J. Computational and Graphical Statistics*, 1999.
- Tibshirani, R and K Knight. The Covariance Inflation Criterion for Adaptive Model Selection. *J. Royal. Stat. Soc. B*, 1999., p529-546.
- Lossos IS, Okada CY, Tibshirani R, Warnke R, Vose JM, Greiner TC, Allen J, and R Levy. Molecular Analysis of Immunoglobulin Genes in Diffuse Large B cell Lymphomas: Evidence for Unbiased VH Gene Use and Absence of Ongoing Somatic Mutations. *Blood*, v.94(10/pt.1/S1), pp.2657-2657, November 15, 1999.

- Tibshirani R, and K Knight. Model Search by Bootstrap "Bumping." *Journal of Computational and Graphical Statistics*, v.8(4), pp.671-686, December 1999.
- Hastie T, Ikeda D, and R. Tibshirani. Statistical Measures for the Computer-Aided Diagnosis of Mammographic Masses. *Journal of Computational and Graphical Statistics*, v.8(3) pp.531-54, September 1999.
- Wong, DT, Cheng, DC, Kustra, R, Tibshirani, R, Karski, J, Carroll-Munro, J, and A Sandler. Risk Factors of Delayed Extubation, Prolonged Length of Stay in the Intensive Care Unit, and Mortality in Patients Undergoing Coronary Artery Bypass Graft with Fast-Track Cardiac Anesthesia: a New Cardiac Risk Score. *Anesthesiology*, v.91(4), pp.936-944, October 1999.
- Redelmeier, DA, and RJ Tibshirani. Why Cars in the Next Lane Seem to Go Faster. *Nature*, v.401(6748), pp.35-36, September 2, 1999.
- Green, LM, Miller, AB, Agnew, DA, Greenberg, ML, Li, J, Villeneuve, PJ, and R Tibshirani. Childhood Leukemia and Personal Monitoring of Residential Exposures to Electric and Magnetic Fields in Ontario, Canada. *Cancer Causes Control*, v.10(3), pp.233-243 June 1999.
- Tibshirani R, and K Knight. The Covariance Inflation Criterion for Adaptive Model Selection. *Journal of the Royal Statistical Society, Series B-Statistical Methodology*, v.61(pt.3), pp.529-546, 1999.
- 1998—
- Efron, B, and R Tibshirani. The Problem of Regions. *Annals of Statistics*, Vol.26, No.5, pp.1687-1718, 1998.
- Ennis, M, Hinton, G, Naylor, D, Revow, M, and R Tibshirani. A Comparison of Statistical Learning Methods on the GUSTO Database. *Statistics in Medicine*, 1998.
- Tibshirani, R, and G E Hinton. Coaching Variables for Regression and Classification. *Statistics and Computing*, Vol.8, pp.25-33, 1998.
- Hastie, T, and R Tibshirani. Classification by Pairwise Coupling. *Annals of Statistics*, v.26(2), pp.451-471, April 1998.
- Berhane, K, and RJ Tibshirani. Generalized Additive Models for Longitudinal Data. *Canadian Journal of Statistics-Revue Canadienne de Statistique*, v.26(4), pp.517-535, December 1998.
- Leblanc, M, and R Tibshirani. Monotone Shrinkage of Trees. *Journal of Computational and Graphical Statistics*, v.7,(4), pp.417-433, December 1998.
- Ennis, M, Hinton, G, Naylor, D, Revow, M, and RJ Tibshirani. A Comparison of Statistical Learning Methods on the GUSTO Database. *Statistics in Medicine*, v.17(21), pp.2501-2508, November 15, 1998.
- Knight, K, Kustra, R, and R Tibshirani. Bayesian CART Model Search: Comment. *Journal of the American Statistical Association*, v.93(443), pp.950-954, September 1998.

- Tibshirani, R, and G Hinton. Coaching Variables for Regression and Classification. *Statistics and Computing*, v.8(1), pp.25-33, March 1998.
- 1997—
- Efron, B, and R Tibshirani. Improvements on Cross-Validation: The .632 + Bootstrap Method. *J. Amer. Statist. Assoc.*, Vol 92, pp.548-560, 1997.
- Redelmeier, D., and R. Tibshirani. Interpretation and Bias in Case-Crossover Studies. *J. Clin. Epidemiol.* Vol 50, no 11, pp1281-1287, 1997.
- R Tibshirani. Who is the Fastest Man in the World? *American Statistician*, Vol51,No.2, pp.106-111, 1997.
- Hastie, T, Tibshirani, R, and A. Buja. J. Kay and M. Titterington, eds. Flexible Discriminant and Mixture Models. *Proceedings of "Neural Networks and Statistics,"* Oxford University Press, 1997.
- Baines, CJ, Vidmar, M, McKeown-Eyssen, G. and R Tibshirani. Impact of Menstrual Phase in False Negative Mammograms in the Canadian Breast-Screening Study. *Cancer*, 80(4), pp.720-724, August 15, 1997.
- Redelmeier, D and R Tibshirani. Is Using a Cell Phone Like Driving Drunk? *Chance*, Vol.10,No.2, pp.5-9, 1997.
- Efron, B, and R Tibshirani. Using Specially Designed Exponential Families for Density Estimation. *Annals of Statistics*, Vol25, pp.474-478, 1997.
- Redelmeier, D, and R Tibshirani. Association Between Cellular Phones and Car Collisions New. Engl. *J. Med*, pp.1-5, February 12, 1997.
- 1996—
- Leblanc, M, and R Tibshirani. Combining Estimates in Regression and Classification, *J. Amer. Statist. Assoc.*, 91,436, pp.1641-1650, 1996.
- R Tibshirani. The Lasso Method for Variable Selection in the Cox Model. *Statistics in Medicine*, Vol16, pp.385-395, 1996.
- Hastie, T, and R Tibshirani. Discriminant Adaptive Nearest Neighbor Classification. *IEEE-PAMI* 18, pp.607-616, 1996.
- Hastie, T, and R Tibshirani. S. Kotz, ed. Generalized Additive Models. *Encyclopedia of Statistical Sciences*, Wiley, 1996.
- Efron B, and R Tibshirani. Using Specially Designed Exponential Families for Density Estimation. *Annals of Statistics*, v.24(6), pp.2431-2461, December, 1996.
- Mojirsheibani M, and R Tibshirani. Some Results on Bootstrap Prediction Intervals. *Canadian Journal of Statistics-Revue Canadienne de Statistique*, v.24(4), pp.549-568, December, 1996. ,
- LeBlanc, M, and R Tibshirani. Combining Estimates in Regression and Classification. *Journal of the American Statistical Association*, v.91(436), pp.1641-1650, December, 1996.

- Hastie T, and R Tibshirani. Discriminant Adaptive Nearest Neighbor Classification. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, v.18(6), pp.607-616, June, 1996.
- R Tibshirani. Regression Shrinkage and Selection via the Lasso *Journal of the Royal Statistical Society, Series B-Methodological*, v.58(1), pp.267-288, 1996.
- Hastie T, and R Tibshirani. Discriminant Analysis by Gaussian Mixtures. *Journal of the Royal Statistical Society, Series B-Methodological*, v.58(1), pp.155-176, 1996.
- Of the two entries following, one has the year and the other also includes the month, January.
- R Tibshirani. A Comparison of Some Error Estimates for Neural Network Models. *Neural Computation*, v.8(1), pp.152-163, January, 1996.
- R Tibshirani. A Comparison of Some Error Estimates for Neural Network Procedures. *Neural Computation*, Vol 8, No.1, pp.152-163, 1996.
- 1995—
- Hastie, T, and R Tibshirani. Discriminant Adaptive Nearest Neighbor Classification. *Proceedings IEEE-KDDN*, Montreal, 1995.
- Redelmeier, D, Molin, JP, and R Tibshirani. Effects of Compassionate Care on Homeless Adults in an Emergency Department: A Randomized Trial. *The Lancet*, 345, pp.1131-1134, 1995.
- Efron, B, and R Tibshirani. S. Kotz ed., *Computer Intensive Methods in Statistics*. *Encyclopedia of Statistical Sciences*, Wiley, 1995.
- R. Tibshirani. Regression Selection and Shrinkage via the Lasso. *J. Royal Statist. Soc., B*, 1, pp.267-288, 1995.
- Hastie, T, and R Tibshirani. Generalized Additive Models in Medical Research. *Statistics in Medical Research*, 4, pp.187-196, 1995.
- Hastie, T, Buja, A, and R Tibshirani. Penalized Discriminant Analysis. *Annals of Statistics*, 23, pp.73-102, 1995.
- Hastie, T, and R Tibshirani. Discriminant Analysis by Mixture Modelling. *J. Royal. Statist. Soc., B*, 58, pp.155-176, 1995.
- Langer, A, Singh, N, Freeman, MR, Tibshirani, R, and PW Armstrong. Detection of Silent Ischemia Adds to the Prognostic Value of Coronary Anatomy and Left Ventricular Function in Predicting Outcome in Unstable Angina Patients. *Can J Cardiol*, 11(2), pp.117-22, February, 1995.
- Hastie, T, Buja, A, and R Tibshirani. Penalized Discriminant-Analysis. *Annals of Statistics*, v.23(1), pp.73-102, February, 1995.
- Redelmeier, DA, Molin, JP, and RJ Tibshirani. A Randomized Trial of Compassionate Care for the Homeless in an Emergency Department. *Lancet*, v.345(8958), pp.1131-1134, May 6, 1995.

- Speckman, PL, Marron, JS, Silverman, B, Nason, G, Wang, KM, Seifert, B, Gasser, T, Efromovitch, S, Mussbaum, M, and YZ Wang. Wavelet Shrinkage: Asymptopia: Discussion. *Journal of the Royal Statistical Society, Series B, Methodological*, v.57(2), pp.337-369, 1995.
- Langer, A, Singh, N, Freeman, MR, Tibshirani, R. and PW Armstrong. Detection of Silent Ischemia Adds to the Prognostic Value of Coronary Anatomy and Left-Ventricular Function in Predicting Outcome in Unstable Angina Patients. *Canadian Journal of Cardiology*, v.11(2), pp.117-122, February, 1995.
- 1994—
- Leblanc, M, and R Tibshirani. Adaptive Principal Surfaces. *J. Amer. Stat. Assoc*, 89, pp.53-64, 1994.
- Bell, D, Walker, J, O'Connor, G, and R Tibshirani. Spinal Deformity After Multi-level Cervical Laminectomy in Children. *Spine*, Vol 19, pp.406-411, 1994.
- Tibshirani, R, and L Wasserman. Some Aspects of the Reparametrization of Statistical Models. *Can. Jour. Statist*, Vol 22, pp.163-173, 1994.
- The next two entries have slightly different titles but pages same.
- Hastie, T, Tibshirani, R, and A Buja. Flexible Discriminant Analysis. *J. Amer. Statist. Assoc*, 89, pp.1255-1270, 1994.
- Hastie, T, Tibshirani, R, and A Buja. Flexible Discriminant-Analysis by Optimal Scoring. *Journal of the American Statistical Association*, v.89(428) pp.1255-1270, DEC 1994.
- Whittle P, Kay J, Hand DJ, Tarassenko L, Brown PJ, Titterington DM, Taylor C, Gilks WR, Critchley F, and AJ Mayne AJ. Neural Networks and Related Methods for Classification: Discussion. *Journal of the Royal Statistical Society, Series B-Methodological*, v.56(3) pp.437-456, 1994.
- Tibshirani R, and L. Wasserman. Some Aspects of the Reparametrization of Statistical-Models. *Canadian Journal of Statistics-Revue Canadienne de Statistique*, v.22(1) pp.163-173, MAR 1994.
- Amari S, Barron AR, Bienenstock E, Geman S, Breiman L, McClelland JL, Ripley BD, Tibshirani R, and B. Cheng B. Neural Networks: A Review from a Statistical Perspective: Comments and Rejoinders. *Statistical Science*, v.9(1) pp.31-54, FEB 1994.
- Leblanc M, and R. Tibshirani. Adaptive Principal Surfaces. *Journal of the American Statistical Association*, v.89(425) pp.53-64, MAR 1994.
- McKeowneyssen GE, and R. Tibshirani. Implications of Measurement Error in Exposure for the Sample Sizes of Case-Control Studies. *American Journal of Epidemiology*, v.139(4) pp.415-421, FEB 15, 1994.
- Bell, DF, Walker JL, Oconnor G, and R. Tibshirani. Spinal Deformity after Multiple-Level Cervical Laminectomy in Children. *Spine*, v.19(4) pp.406-411. FEB 15, 1994.
- 1993—
- Hastie, T. and R. Tibshirani. Varying-Coefficient Models (With Discussion). *J. Roy. Stat. Soc. B* 55, pp.757-796, 1993.

- Krushnel, L.A., Johnson, J.G., Fishell, G., Tibshirani, R. and van der Kooy. (1993) Spatially Restricted Lineages in the Developing Mammalian Forebrain. *Neuroscience*, 53(4), pp.1035-47, APR 1993.
- R. Tibshirani, R. Principal Curves Revisited. *Statistical. Comp.*, Vol 2, pp.183-190.
- McKeown-Eyssen, G. and R. Tibshirani. Measurement Error in Exposure: Implications for the Sample Size of Case-Control Studies of Diet and Disease. *Amer. J. of Epi.*, Vol 139, pp.415-421, 1993.
- Velazquez RJ, Bell DF, Armstrong PF, Babyn P, and R. Tibshirani. Complications of Use of the Ilizarov Technique in the Correction of Limb Deformities in Children. *Journal of Bone and Joint Surgery-American Volume*, v.75A(8) pp.1148-1156, AUG 1993.
- Hastie T, and R. Tibshirani. Varying-Coefficient Models. *Journal of the Royal Statistical Society Series B-Methodological*, v.55(4) pp.757-796, 1993.
- Krushel LA, Johnston JG, Fishell G, Tibshirani R, and D. Vanderkooy. Spatially Localized Neuronal Cell Lineages in the Developing Mammalian Forebrain. *Neuroscience*, v.53(4) pp.1035-1047, APR 1993.
- 1992—
- Tibshirani, R. and M. Leblanc, M. A Strategy for Binary Description and Classification. *J. Graphic. Comp. Stat.*, Vol1, No.1, pp.3-10, 1992.
- R. Tibshirani. R. Lepage ed., *Some Applications of the Bootstrap in Complex Problems. Exploring the Limits of the Bootstrap.* Wiley, New York, 1992.
- Clavien PA, Sanabria JR, Mentha G, Borst F, Buhler L, Roche B, Cywes R, Tibshirani R, Rohner A, and SM Strasberg SM. Recent Results of Elective Open Cholecystectomy in a North American and a European Center. Comparison of Complications and Risk Factors. *Ann Surg*, 216(6), pp.618-626, Dec, 1992.
- Hastie, T., Sleeper, L., and R. Tibshirani. "Flexible Covariate Effects in the Cox Model." *Breast Cancer Research and Treatment — special issue.* vol 22, pp.241-250, 1992.
- Clavien PA, Sanabria JR, Mentha G, Borst F, Buhler L, Roche B, Cywes R, Tibshirani R, Rohner A, and SM Strasberg. Recent Results of Elective Open Cholecystectomy in a North-American and a European Center: Comparison of Complications and Risk-Factors. *Annals of Surgery*, v.216(6) pp. 618-626, DEC 1992.
- Hastie T, Sleeper L, and R. Tibshirani. Flexible Covariate Effects in the Proportional Hazards Model. *Breast Cancer Research and Treatment*, v.22(3) pp.241-250, 1992.
- R. Tibshirani. Bootstrap Hypothesis-Testing. *Biometrics*, v.48(3) pp.969-970, SEP 1992.
- 1991—
- Clavier, P. Subarla, J. Mentha, J. Tibshirani, R. and S. Strasburg. Recent Results of Elective Open Choleystectomy in a North American and a Europe Center. *Annals of Surgery*. Vol216, no.6, pp. 618-626, 1992.
- Efron, B. and R. Tibshirani. *Statistical Analysis in the Computer Age.* Science, July, Vol.253, pp. 390-395, 1991.

- Kerem, E. Canny, G., Tibshirani, R. Bentur, L., Reizman, S. Schuh, S., and H. Levinson. Clinical and Physiological Correlations in Acute Asthma of Childhood. *Pediatrics*, vol87(4), pp.481-86, 1991.
- Efron B, and R. Tibshirani. Statistical-Data Analysis in the Computer-Age. *Science*, v.253(5018) pp. 390-395, 1991.
- Hastie T, and R. Tibshirani. The II Method for Estimating Multivariate Functions From Noisy Data: Discussion. *Technometrics*, v.33(2) pp.155-155, 1991.
- Kerem E, Canny G, Tibshirani R, Reisman J, Bentur L, Schuh S, and H. Levison. Clinical-Physiological Correlations in Acute Asthma of Childhood. *Pediatrics*, v.87(4) pp.481-486, 1991.
- Buja A, Duffy D, Hastie T, and R. Tibshirani. Multivariate Adaptive Regression Splines: Discussion. *Annals of Statistics*, v.19(1) pp.93-99, 1991.
—1990—
- Hastie, T. and R. Tibshirani, R. A Method for Exploring the Nature of Covariate Effects in the Proportional Hazards Model. *Biometrics*. 48, pp.1005-1016, 1990.
- Kerem, E. Tibshirani, R. Canny, G. Bentur, L., Reizman, S. Schuh, S. Stein, R., and H. Levinson. Prediction of the Need for Hospitalization in Children with Acute Asthma. *Chest*, vol98, pp. 1355-61, 1990.
- Hastie T, and R. Tibshirani. Exploring the Nature of Covariate Effects in the Proportional Hazards Model. *Biometrics*, v.46(4) pp.1005-1016, 1990.
- Inconsistent information in the next two entries:
- Williams WG, Rebeyka IM, Tibshirani RJ, Coles JG, Lightfoot NE, and A. Mehra. Warm Induction Blood Cardioplegia in the Infant: A Technique to Avoid Rapid Cooling Myocardial Contracture *Journal of Thoracic and Cardiovascular Surgery*, v. 100(6) pp. 896-901 1990
- Williams, W.G., Rebeyka, I.M., Tibshirani, R., Coles, J., Lightfoot, N.E., Freedom, R.M. and G. Trusler. Warm Induction Cardioplegia in the Infant: A Technique to Avoid Rapid Cooling Myocardial Contracture. *J. Thorac. and Cardio. Surg*, Vol 100,6, pp.896-901, 1990.
- Kerem E, Tibshirani R, Canny G, Bentur L, Reisman J, Schuh S, Stein R, and H. Levison. Predicting the Need for Hospitalization in Children with Acute Asthma. *Chest*, v.98(6) pp.1355-1361, 1990.
- McCullagh P, and R. Tibshirani. A Simple Method for the Adjustment of Profile Likelihoods. *Journal of the Royal Statistical Society, Series B-Methodological*, v.52(2) pp.325-344, 1990.
—1989—
- R. Tibshirani. (1989). Non-Informative Priors for One Parameter of Many, *Biometrika*, 76, pp.604-608, 1989.
- Buja, A., Hastie, T., and R. Tibshirani. Linear Smoothers and Additive Models (With Discussion.) *Annals of Statistics*, Vol.17, No.2 pp.453-555, 1989.

- Miller AB, Prentice R, Tibshirani R, Boyd N, Corey P and Terry Fox. Cancer-Research Workshop on Prevention Trials: Meeting Held at Toronto, Canada, May 10-12, 1989. *International Journal of Cancer*, v.44(5) pp.767-769, 1989.
- R. Tibshirani. Noninformative Priors for One Parameter of Many *Biometrika*, v.76(3) pp.604-608, 1989.
- Buja A, Hastie T, and R. Tibshirani. Linear Smoothers and Additive-Models: Rejoinder. *Annals of Statistics*, v. 17(2) pp.543-555, 1989.
- Buja A, Hastie T, and R. Tibshirani. Linear Smoothers and Additive-Models. *Annals of Statistics*, v.17(2) pp.453-510, 1989.
- 1988—
- McCullagh, P. and R. Tibshirani. A Simple Adjustment for Profile Likelihoods. *J. Royal. Statist. Assoc. Ser. B* 52, 2, pp.325-344, 1988.
- Risch, H. and R. Tibshirani. Comment on "Polychotomous Logistic Regression Methods for Matched Case-Control Studies with Multiple Case or Control Groups," *Amer. J. Epidem* 128 pp.446-448, 1988.
- R. Tibshirani. Variance Stabilization and the Bootstrap. *Biometrika* 75, 3, pp.433-444, 1988.
- Tibshirani, R. and L. Wasserman. Sensitive Parameters. *Can. J. Statistics*, Vol.16, No.2, pp.185-192, 1988.
- Tibshirani, R. (1988). Estimating Optimal Transformations for Regression via Additivity and Variance Stabilization. *J. Amer. Stat. Assoc.* Vol.83, No.204, pp.394-405, 1988.
- Kent JT, Davison AC, Silverman BW, Young GA, Daniels HE, Tong H, Garthwaite PH, Buckland ST, Beran R, Hall P, and S. Koslow. Bootstrap Methods: A Review of Bootstrap Confidence-Intervals: Discussion. *Journal of the Royal Statistical Society Series B-Methodological*, v.50(3), pp.355-370, 1988.
- Tibshirani R, and LA Wasserman. Sensitive Parameters. *Canadian Journal of Statistics-Revue Canadienne de Statistique*, v.16(2), pp.185-192, 1988.
- R. Tibshirani. Variance Stabilization and the Bootstrap. *Biometrika*, v.75(3), pp.433-444, 1988.
- Risch HA, and RJ Tibshirani. Polychotomous Logistic-Regression Methods for Matched Case-Control Studies with Multiple Case or Control-Groups. *American Journal of Epidemiology*, v.128(2), pp.446-448, 1988.
- R. Tibshirani. Estimating Transformations for Regression via Additivity and Variance Stabilization. *Journal of the American Statistical Association*, v.83(402), pp.394-405, 1988.
- R. Tibshirani. Correction. *Annals of Statistics*, v.16(1), pp.479-479, 1988.
- 1987—
- Tibshirani, R. and T. Hastie. Local Likelihood Estimation. *J. Amer. Statist. Assoc.*, 82, 398, pp.559-567, 1987.

- DiCiccio, T. and R. Tibshirani. Bootstrap Confidence Intervals and Bootstrap Approximations. *J. Amer. Statist. Assoc.*, 82, 397, pg 161-169, 1987.
- Hastie, T. and R. Tibshirani. Non-Parametric Logistic and Proportional Odds Regression. *J. Roy. Stat. Soc, Series C*, 36, pp.270-276, 1987.
- Hastie, T. and R. Tibshirani. Generalized Additive Models: Some Applications. *J. Amer. Statist. Assoc.*, 82, 398, 371-386, 1987.
- Hastie T, and R. Tibshirani. Nonparametric Logistic and Proportional Odds Regression. *Applied Statistics-Journal of the Royal Statistical Society, Series C*, v.36(3) pp.260-276, 1987.
- Tibshirani R, and T. Hastie. Local Likelihood Estimation. *Journal of the American Statistical Association*, v.82(398), pp.559-567, 1987.
- Hastie T, and R. Tibshirani. Generalized Additive-Models: Some Applications. *Journal of the American Statistical Association*, v.82(398) pp.371-386, 1987.
- Diciccio T, and R. Tibshirani. Better Bootstrap Confidence-Intervals: Comment. *Journal of the American Statistical Association*, v.82(397) pp.187-188, 1987.
- Diciccio T, and R. Tibshirani. Bootstrap Confidence-Intervals and Bootstrap Approximations. *Journal of the American Statistical Association*, v.82(397) pp.163-170, 1987.
- 1986—
- Hastie, T. and R. Tibshirani. Generalized Additive Models (With Discussion). *Statistical Science*, Vol.1, No.3, pp.295-318, 1986.
- Efron, B. and R. Tibshirani. The Bootstrap Method for Standard Errors, Confidence Intervals and Other Measures of Statistical accuracy. *Statistical Science*, Vol 1., No. 1, pp.1-35, 1986.
- Trainor, J., Boydell, K. and R. Tibshirani. Short-Term Economic Change and the Utilization of Mental Health Facilities in a Metropolitan Area. *Can. J. Psychiatry*, Vol 32, pp.379-383, 1986.
- Tibshirani R Jackknife, Bootstrap and Other Resampling Methods in Regression-Analysis: Discussion *Annals of Statistics*, ANNALS OF STATISTICS, v.14(4) pp.1335-1339, 1986.
- 1985—
- Hastie, T. and R. Tibshirani. Generalized Additive Models: Some Applications. *Proceedings of the 2nd International Conference on Generalized Linear Models*. Springer-Verlag Lecture Notes in Statistics, 32, Berlin, Heidelberg. (Refereed), 1985.
- Efron, B. and R. Tibshirani. The Bootstrap Method for Assessing Statistical Accuracy. *Behaviourmetrika*, No.7, pp.1-35, 1985.
- Hastie T, and R. Tibshirani. Projection Pursuit: Discussion. *Annals of Statistics*, v.13(2), pp.502-508, 1985.
- 1984—

- Friedman, J. and R. Tibshirani. The Monotone Smoothing of Scatterplots. *Technometrics*, v.126, (3), pp.243-250, 1984.
- Llewellynthomas H, Sutherland HJ, Tibshirani R, Ciampi A, Till JE, and NF Boyd. Describing Health States: Methodologic Issues in Obtaining Values for Health States Medical Care, v.22(6), pp.543-552, 1984.
- Tibshirani, RJ, and A. Ciampi. Degrees of Freedom in Model-Fitting: Reply. *Biometrics*, v.40(1), pp.256-256, 1984.
—1983— Are the two below the same title? If so, what's the correct title?
- Tibshirani, R. and A Ciampi. A Family of Additive and Proportional Hazard Models for Survival Data. *Biometrics*, v.39(1), pp.141-147, 1983.
- Tibshirani RJ, and A Ciampi. A Family of Proportional-Hazards and Additive-Hazards Models for Survival-Data. *Biometrics*, v.39(1), pp.141-147, 1983.
—1982—
- R. Tibshirani. A Plain Man's Guide to the Proportional Hazards Model. *Clinical and Investigative Medicine*, Vol.5., No 1., pp.63-68, 1982.
- Llewellyn-Thomas, H., Sutherland, H., Tibshirani, R.J., Ciampi, A. and J. Till. Measurement of Patient's Values in Medicine. *Medical Decision Making*, Vol 2, No 3, 1982.
- R. Tibshirani. A Plain Mans Guide to the Proportional Hazards Model. *Clinical and Investigative Medicine-Medecine Clinique et Experimentale*, v.5(1), pp.63-68, 1982.
—1981—
- Llewellyn-Thomas, H., Sutherland, H., Tibshirani, R.J., Ciampi, A. and J.Till. Health Utility Assessment Using von Neumann and Morgenstern's Standard Gamble. *Fundamental Assumptions*. (Abstract). *Medical Decision Making*, Vol 1, No 4, pp.432, 1981.
- Llewellyn-Thomas, H., Sutherland, H., Tibshirani, R.J., Ciampi, A., Till, J., and A.R. Harwood. Utilities Assigned to Voice States. *Abstracts of the 147th Annual Meeting of the American Association for the Advancement of Science*, pp. 70, January, 1981.

Refereed Discussions

- Hastie, T. and R. Tibshirani. Discussion of "Wavelet Shrinkage: Asymptopia?" by G. Kerkyacharian, D. Picard, D. Donoho and I. Johnstone. *J. Royal. Statist., Soc. B.*, Vol 57, pp.355, 1995.
- Hastie, T. and R. Tibshirani. Discussion of "Regression Using Fractional Polynomials" by Royston and Altman, with R. Tibshirani, *Journal of the Royal Statistical Society—Series B*, Vol57, pp.234, 1995.
- Hastie, T. and R. Tibshirani. Discussion of "Neural Network Models for Classification" by Brian Ripley. *J. Royal. Statist. Soc. B.*, 56, pp.409-456, 1994.
- R. Tibshirani. Discussion of "Neural Networks and Statistical Perspectives" by Cheng and Titterington. *Statistical Science*, 1994.
- Buja, A., Hastie, T. and R. Tibshirani. Discussion of "Multivariate Adaptive Regression Splines" by J. Friedman. *Annals of Statistics*, 1991.

- Hastie, T. and R. Tibshirani. Discussion of "The PI Method" by L. Breiman. *Technometrics* 33, 155, 1991.
- Hastie, T. and R. Tibshirani. Comment on "Monotone Splines in Action" by Jim Ramsay. *Statistical Science*, November, 1988.
- R. Tibshirani. Comment on "The Bootstrap" by D. Hinkley and "Bootstrap Confidence Intervals" by DiCiccio, T. and Romano, J. J. Roy. *Statist. Soc. B.* 151,3, pp.1-77, 1988.
- R. Tibshirani. Comment on "What is projection pursuit?" by Jones and Sibson, J. Roy. *Statist. Soc. B.*, 1988.
- DiCiccio, T. and R. Tibshirani. Discussion of Better Bootstrap Confidence Intervals, by B. Efron. *J. Amer. Stat. Assoc.* 82, 397, pp.171-200, 1987.
- R. Tibshirani. Discussion of The Jackknife, Bootstrap and Other Resampling Plans in Regression, by C.F. Wu. *Ann. Stat.* 14, 1, pp.1261-1295, 1986.
- Hastie, T. and R. Tibshirani. Discussion of "Projection Pursuit" by P. Huber. *Ann. Stat.* Vol 13, No. 2, p 502-507, 1985.

Submitted to Refereed Journals

- Trevor Hastie, Robert Tibshirani, Michael Eisen, Pat Brown, Doug Ross, Uwe Scherf, John Weinstein, Ash Alizadeh, Louis Staudt, and David Botstein. *Gene Shaving: a New Class of Clustering Methods for Expression Arrays.*
- Lossos, I.S., Okada, C., Tibshirani, R. Wanrke, R. Vose, J.M., Greiner, T.C., Allen, J., and R. Levy. *Molecular Analysis of Immoglobulin Genes in Diffuse Large Cell Lymphoma: Evidence of Heterogeneous Origin, Unbiased VH Gene Use and Absence of Ongoing Somatic Mutations.* Submitted to *Blood*, 1999.
- Hastie, T. and R. Tibshirani. *Handwritten Character Recognition via Prototype Fitting.* Tech. Report, Univ. of Toronto, Submitted, 1993.
- LeBlanc, M. and R. Tibshirani. *Combining Estimated in Regression and Classification.* Tech. Report, Univ. of Toronto, Submitted, 1993.
- Tibshirani, R. and B. Tang. *Slide Functions for Projection Pursuit Regression and Neural Networks,* Submitted, 1993.
- DiCiccio, T. and R. Tibshirani. *On the Implementation of Profile Likelihood Methods.* Submitted, 1999.

Non-refereed Contributions

- Tibshirani, R. *Smoothing Methods for the Assessment of Synergism.* Proceedings of the ISI Biannual Meeting, Paris, 1989.
- DiCiccio, T, and R. Tibshirani. *Approximating Profile Likelihoods Through Stein's Least favourable Family.* Tech. Report, 1986-001, Dept. of Statistics, Univ. of Toronto, 1986.

R. Tibshirani, R. Bootstrap Confidence Intervals. Proc. of Computer Sci. and Statistics interface, Ft. Collins, Colorado, 1986.