

**DAVID M. ZUCKER**  
**SCIENTIFIC PUBLICATIONS**

1. MacMahon SW, Roberts JK, Kramer-Fox R, **Zucker DM**, Roberts RB, and Devereux RB (1987). Mitral valve prolapse and infective endocarditis. *American Heart Journal* 113: 1291-1298.
2. **Zucker DM** and Yusuf SY (1989). The likelihood ratio vs. the p-value in meta-analysis: where is the evidence? Comment on paper by S. N. Goodman. *Controlled Clinical Trials* 10: 205-208.
3. McKinlay SM, Stone EJ, and **Zucker DM** (1989). Research design and analysis issues. *Health Education Quarterly* 16: 307-313.
4. Murray DM, Hannan PJ, and **Zucker DM** (1989). Analysis issues in school-based health promotion studies. *Health Education Quarterly* 16: 315-320.
5. **Zucker DM** and Karr AF (1990). Nonparametric survival analysis with time-dependent covariate effects: a penalized likelihood approach. *Annals of Statistics* 18: 329-353.
6. **Zucker DM** and Lakatos E (1990). Weighted linear rank statistics for comparing survival curves when there is a time lag in the effectiveness of treatment. *Biometrika* 77: 853-864.
7. **Zucker DM** (1990). An analysis of variance pitfall: the fixed effects analysis in a nested design. *Educational and Psychological Measurement* 50: 731-738.
8. Yusuf S, Garg R, and **Zucker D** (1991). Analyses by the intention to treat principle in randomized trials and data-bases. *PACE* 14: 1-5.
9. **Zucker D** and Wittes J (1992). Testing the effect of treatment in experiments with correlated binary outcomes. *Biometrics* 48: 695-710.
10. **Zucker DM** (1992). The efficiency of a weighted log rank test under a percent error misspecification model for the log hazard ratio. *Biometrics* 48: 893-900.
11. Lan KKG and **Zucker DM** (1993). Sequential monitoring of clinical trials: the role of information and Brownian motion. *Statistics in Medicine* 12: 753-765.
12. Belcher JD, Ellison RC, Shepard WE, Bigelow C, Webber L, Wilmore JH, Parcel GS, **Zucker DM**, and Luepker RV (1993). Lipid and lipoprotein distributions in children by ethnic group, gender, and geographic location - preliminary findings of the Child and Adolescent Trial for Cardiovascular Health (CATCH). *Preventive Medicine* 22: 143-153.

13. Wu MC, Hunsberger S, and **Zucker D** (1994). Testing for differences in changes in the presence of censoring: parametric and nonparametric methods. *Statistics in Medicine* 13:635-646.
14. Zerbe GO, Wu MC, and **Zucker DM** (1994). Studying the relationship between change and initial value in longitudinal studies. *Statistics in Medicine* 13:759-768.
15. Yusuf S, **Zucker D**, Peduzzi P, Takaro T, Detre K, Kennedy JW, Fisher L, Davis K, Killip T, Passamani E, Norris R, Morris C, Mathur V, Varnauskas E, and Chalmers T (1994). Effect of coronary artery bypass graft surgery on survival: overview of ten year results from the randomized trials. *Lancet* 344:563-570.
16. **Zucker DM**, Lakatos E, Webber LS, Murray DM, McKinlay SM, Feldman HA, Kelder SH, and Nader PR (1995). Statistical design of the Child and Adolescent Trial for Cardiovascular Health (CATCH): implications of cluster randomization. *Controlled Clinical Trials* 16:96-118.
17. **Zucker DM**, Zerbe GO, and Wu MC (1995). Inference for the association between coefficients in a multivariate growth curve model. *Biometrics* 54:413-424.
18. Simchen E, **Zucker D**, Igra-Siegman Y, and Galai N (1996). Method for separating patient and procedural factors while analyzing inter-departmental differences in rates of surgical infections: the Israeli Study of Surgical Infection in Abdominal Operations. *Journal of Clinical Epidemiology* 49:1003-1007.
19. Canner PL, Thompson B, Knatterud G, Geller N, Campeau L, and **Zucker D** (1997). An application of the Zucker-Wittes modified ratio estimate statistic in the Post-CABG clinical trial. *Controlled Clinical Trials* 18:318-327.
20. Mozes B, Shabtai E, and **Zucker D** (1997). Differences in quality of life among patients receiving dialysis at seven medical centers. *Journal of Clinical Epidemiology* 50: 1035-1043.
21. Mozes B, Shabtai E, and **Zucker D** (1998). Variation in mortality among seven hemodialysis centers as a quality indicator. *Clinical Performance and Quality Health Care* 6: 73-78.
22. **Zucker DM** (1998). Restricted mean life with covariates: modification and extension of a useful survival analysis method. *Journal of the American Statistical Association* 93:702-709.
23. Oppenheimer-Gazit V, Rosen L, Hanoch J, Bar-Oz B, **Zucker D**, Yagel S. (1999). Short delay between indomethacin treatment for preterm labor and delivery is associated with severe neonatal complications. *Israel Journal of Obstetrics and Gynecology* 10:149-155.

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25. **Zucker DM**, Schabenberger O, Brittain E, and Wittes JT. (1999). The internal pilot design, II: comparison of various procedures. *Statistics in Medicine* 18:3493-3509.
26. Lieberman O, Rousseau J, and **Zucker D**. (2000). Small-sample likelihood-based inference in the ARFIMA models. *Econometric Theory* 16:231-248.
27. **Zucker DM**, Lieberman O, and Manor O. (2000). Improved small-sample inference in the mixed linear model: Bartlett-correction and adjusted likelihood. *Journal of the Royal Statistical Society, Series B*, 62:827-838.
28. Lieberman O, Rousseau, **Zucker DM** (2001). Small-sample asymptotics for the sample autocorrelation function under long range dependence. *Econometric Theory* 17:251-275.
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34. Manor O and **Zucker DM**. (2004). Small sample inference for the fixed effects in the mixed linear model. *Computational Statistics and Data Analysis* 46:801-817.
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36. **Zucker DM**. (2005). A pseudo partial likelihood method for semi-parametric survival regression with covariate errors. *Journal of the American Statistical Association* 100:1264-1277.

37. Rosen L, Manor O, Engelhard D, Brody D, Rosen B, Peleg H, Meir M, **Zucker D**. (2006). Can a handwashing intervention make a difference? Results from a randomized controlled trial in Jerusalem preschools. *Preventive Medicine* 42:27-32.
38. **Zucker DM** and Yang S. (2006). Inference for a family of survival models encompassing the proportional hazards and proportional odds models. *Statistics in Medicine* 25: 995-1014.
39. Doniger G, Dwolatzky T, **Zucker DM**, Chertkow H, Crystal H, Schweiger A, Simon ES. (2006). Computerized cognitive testing battery identifies MCI and mild dementia even in the presence of depressive symptoms. *American Journal of Alzheimer's Disease and Other Dementias* 21: 28-36.
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41. Gorfine M, **Zucker DM**, and Hsu L. (2006). Prospective survival analysis with a general semiparametric shared frailty model: a pseudo full likelihood approach. *Biometrika* 93:735-741.
42. Rosen L, Manor O, Englehard D, **Zucker D**. (2006). Design of the Jerusalem Handwashing Study: meeting the challenges of a preschool-based public health intervention trial. *Clinical Trials* 3:376-384.
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47. Rosen L, **Zucker D**, Brody D, Englehard D, Manor O (2009). The effect of a handwashing intervention on preschool educator beliefs, attitudes, knowledge, and self-efficacy. *Health Education Research*, 24: 686-698.

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50. Rosen L, **Zucker D**, Brody D, Meir M, Peleg M, Englehard D, Manor O. (2009). The effect of a hygiene intervention program on environmental conditions in preschools. *Israel Health Promotion Journal*, Spring 2009:15-24.
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52. Rosen L, Brody D, Manor O, **Zucker D**, Meier M, Engelhard D. (2010). Spreading the handwashing message: An alternative to traditional media campaigns. *American Journal of Infection Control*, in press.
53. Rosen L, **Zucker D**, Rosen B, Connolly G. (2010). Secondhand smoke levels in Israeli bars, pubs, and cafes before and after implementation of smoke-free legislation. *European Journal of Public Health*, in press.
54. Liao X, **Zucker DM**, Li Y, Spiegelman D. (2010). Survival analysis with error-prone time-varying covariates: a risk set calibration approach. *Biometrics*, in press.