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Statistical Analysis of Choice Experiments and Surveys

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integrating structural models of response behavior into the statistical analysis of the underlying economic behavior.



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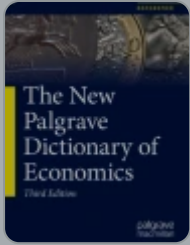
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Priors for Choice Experiments:
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References

Adams, P., M. D. Hurd, D. McFadden, A. Merrill, and T. Ribeiro. (2003). "Healthy, Wealthy, and Wise? Tests for Direct Causal Paths Between Health and Socioeconomic Status," *Journal of Econometrics* 112(1), 3–56.

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Ben-Akiva, M., D. McFadden, T. Gärling, D. Gopinath, D. Bolduc, A. Börsch-Supan, P. Delquié, O. Larichev, T. Morikawa, A. Polydoropoulou, and V. Rao. (1999). "Extended Framework for Modeling Choice Behavior," *Marketing Letters* 10(3), 187–203.

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Ben-Akiva, M., D. McFadden, K. Train, J. Walker, C. Bhat, M. Bierlaire, D. Bolduc, A. Börsch-Supan, D. Brownstone, D. S. Bunch, A. Daly, A. de Palma, D. Gopinath,

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Buchanan, B. and G. Morrison. (1987). "Sampling Properties of Rate Questions with Implications for Survey Research," *Marketing Science* 16(3), 286-298.

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Chandon, P., V. G. Morwitz, and W. J. Reinartz. (2005). "Do intentions Really Predict Behavior? Self-generated Validity Effects in Survey Research," *Journal of Marketing* 69(2), 1-14.

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Cowing, T. and D. McFadden. (1984). *Microeconomic Modeling and Policy Analysis: Studies in Residential Energy Demand*. New York: Academic Press.

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Feldman, J. M. and J. G. Lynch Jr. (1988). "Self-generated Validity and Other Effects of Measurement on Belief, Attitude, Intention, and Behavior," *Journal of Applied Psychology* 73(3), 421–435.

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Gan, L., M. D. Hurd, and D. McFadden. (2003). "Individual Subjective Survival

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Hill, D., M. Perry, and R. J. Willis. (2004). "Estimating Knightian Uncertainty from Probability Questions on the HRS," unpublished manuscript, University of Michigan.

Hsiao, C. and B.-H. Sun. (1999), "Modeling Response Bias – With an Analysis of the Demand for an Advanced Electronic Device," *Journal of Econometrics* 89(1–2), 15–39.

[Google Scholar](#)

Hurd, M. D., D. McFadden, H. Chand, L. Gan, A. Merrill, and M. Roberts. (1998). "Consumption and Savings Balances of the Elderly: Experimental Evidence on Survey Response Bias." in D. Wise (ed.), *Frontiers in the Economics of Aging*, Chicago, IL: University of Chicago Press, 253–287.

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King, G., C. Murray, J. A. Salomon, and A. Tandon. (2004). “Enhancing the Validity and Cross-cultural Comparability of Measurement in Survey Research,” *American Political Science Review* 98(1), 191–207.

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Klein, R. and R. Sherman. (1997). “Estimating New Product Demand from Biased Survey Data,” *Journal of Econometrics* 76(1–2), 53–76.

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Matzkin, R. (2004). "Unobservable Instruments," unpublished manuscript, Northwestern University.

McFadden, D. (2004). "Foundations of Economic Survey Research," unpublished manuscript, Berkeley: University of California.

McFadden, D., N. Schwarz, and J. Winter. (2004), "Measuring Perceptions and Behavior in Household Surveys," paper presented at the Annual Meeting of the American Economic Association, San Diego, CA.

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Poterba, J. and L. Summers (1986). “Reporting Errors and Labor Market Dynamics,” *Econometrica* 54(6), 1319–1338.

[Google Scholar](#)

Schwarz, N. (2003). “Self-Reports in Consumer Research: The Challenge of Comparing Cohorts and Cultures,” *Journal of Consumer Research* 29(4), 588–594.

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Schwarz, N., R. M. Groves, and H. Schuman. (1998). “Survey Methods.” In N.

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Tversky, A. and D. Kahneman (1974). "Judgement Under Uncertainty: Heuristics and Biases," *Science* 185(4157), 1124-1131.

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Wansbeek, T. and E. Meijer (2000). *Measurement Error and Latent Variables in Econometrics*, Amsterdam: Elsevier.

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Wason, K., Polonsky, M., and Hyman, M. (2002). "Designing Vignette Studies in Marketing," *Australasian Marketing Journal* 10(3), 41-58.

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