

References

General Statistical

- Casella, G., and Berger, R. L. (2002). *Statistical inference*. Duxbury Press.
- Davison and Hinkley. “Bootstrap Methods and Their Application”, 1997. Cambridge.
- Efron and Tibshirani (1993) .“An Introduction to the Bootstrap”. Chapman and Hall.
- Fleiss, J. (1981). Statistical Methods for Rates and Proportions, second edition. New York, John Wiley. (Includes some misclassification).
- Graybill, F. A. (1976). *Theory and application of the linear model*, Duxbury Press.
- Griffiths, R. C. Hill and G. Judge. “Learning and Practicing Econometrics”.
- Hosmer, D. and Lemshow, S. “Applied Logistic Regression,”, Second Edition. Wiley.
- Larsen and Marx. “An Introduction to Mathematical Statistics and its Applications”. Fourth Edition.
- Ott and Longnecker. “An Introduction to Statistical Methods and Data Analysis” Thomson Learning (2000)
- Kutner et al. Applied Linear Statistical Models, 5th Edition.

Measurement Error Books/ Journal Volumes

- Brown, P. J. and Fuller, W. Editors (1990). Statistical Analysis of Measurement error models and applications. *Contemporary Mathematics* 112. Proceeding of 1989 AMS-IMS-SIAM conference at Humboldt State.
- Byar, D. and Gail, M. (eds.) (1989). Workshop on Errors-in- Variables: NIH. *Statistics in Medicine*, 8(9).
- Carroll, R. J., Stefanski, L. A., and Ruppert, D. (2006). *Measurement Error in Nonlinear Models, Second Edition*. London: Chapman and Hall.
- Cheng, C-L , and Van Ness, J. (1999), “Statistical regression with measurement error”, Edward Arnold Publishers Ltd (London; Baltimore)
- Fuller, W. A. (1987). *Measurement Error Models*. New York: John Wiley.
- Gustafson, P. (2004). Measurement Error and Misclassification in Statistics and Epidemiology: Impacts and Bayesian Adjustments. Chapman & Hall.

Misclassification for proportions and contingency tables

These are just some representative references, not an exhaustive list. See the review articles and some of more recent references, in particular Chen, Hofler, Kuha et al., Morrissey and Speigelman, Walter and Irwig, and van den Hout and van der Heijden for access to other references.

Albert, P.S. , McShane, L. M. , Shih, J. H. , and The U. S. National Cancer Institute Bladder Tumor Marker Network (2001), “Latent class modeling approaches for assessing diagnostic error without a gold

standard: With applications to p53 immunohistochemical assays in bladder tumors”, Biometrics, 57 (2) , 610-619

Chen, T. T. (1989). A review of methods for misclassified categorical data in epidemiology. *Statistics in Medicine*.

Gastwirth, J. 1987 The statistical precision of medical screening procedures: application to polygraph and AIDS antibodies test data (with discussion) Stat. Sci., 2, 213-238.

Goldberg, J. D. 1975 The effects of misclassification on the bias in the difference between two proportions and the relative odds in a fourfold table. JASA, 70, 561-567.

Greenland, S. and Kleinbaum, D. G. 1983 Correcting for misclassification in two-way tables and matched-pair studies. Int. J. of Epid., 12, 93-97.

Greenland, S. 1988 Variance Estimation For Epidemiologic Effect Estimates Under Misclassification. Statistics in Medicine, 7, 745-758.

Hofler M. 2005. The effect of misclassification on the estimation of association: a review INTERNATIONAL JOURNAL OF METHODS IN PSYCHIATRIC RESEARCH 14 (2): 92-101. 50.

<http://www3.interscience.wiley.com/cgi-bin/fulltext/112224202/PDFSTART>

Johnson L, Kotz, S and Rodriguez, R. Statistical effects of imprecise inspection sampling I. Some basic distributions. Journal of Quality Technology,

Johnson K.C. 2005. Exposure misclassification, passive and active smoking and breast cancer risk EPI-DEMOLOGY 16 (5): 136-137.

Katsis A. 2005. Sample size determination of binomial data with the presence of misclassification METRIKA 62 (2-3): 323-329.

Kuha, J., Skinner, C., and Palmgren, J. (1998). “Misclassification Errors”. In *Encyclopedia of Biostatistics, Volume 4*, Armitage, P. and Colton, T. (eds). John Wiley: Chichester, 2615-2621.

Morrissey, M. J. , and Spiegelman, D. (1999), “Matrix methods for estimating odds ratios with misclassified exposure data: Extensions and comparisons”, Biometrics, 55 , 338-344

Rao, JNK and D Thomas. 1991 “Chi-squared tests with Complex Survey Data Subject to Misclassification.” in *Measurement Error in Surveys*, Editors: Biemer et al.

Tenenbein, A. 1970 A double sampling scheme for estimating from binomial data with misclassifications. JASA, 65, 1351-1361.

Tenenbein, A. 1972 A double sampling scheme for estimating from misclassified multinomial data with applications to sampling inspection. Technometrics, 14, 187-202.

Walter, S. D. and Irwig, L. M. 1988. Estimation of test error rates, disease prevalence and relative risk from misclassified data: A review. Journal of Clinical Epidemiology, 41, 923-937.

van den Hout A, van der Heijden PGM. 2002. Randomized response, statistical disclosure control and misclassification: a review INTERNATIONAL STATISTICAL REVIEW 70 (2): 269-288.

<http://www.blackwell-synergy.com/doi/abs/10.1111/j.1751-5823.2002.tb00363.x>

Vogel C, Brenner H, Pfahlberg A, et al. 2005. The effects of joint misclassification of exposure and disease on the attributable risk STATISTICS IN MEDICINE 24 (12): 1881-1896.

Simple Linear Regression (Selected references, there are many many others!)

Books.

- Cheng, C-L , and Van Ness, J. (1999), “Statistical regression with measurement error”, Chapters 1-4.
 Fuller, W. A. (1987). *Measurement Error Models*, Chapter 1.
 Greene, W. H. (1990). Econometric Analysis. Section 9.5.1.
 Kutner et al. (2005). *Applied Linear Statistical Models, 5th Edition*. Brief treatment in Section 4.5
 Seber and Lee (2003). *Regression Analysis*.

Papers.

- Adcock, R. J. 1878 A problem in least squares. *The Analyst*, 5, 53-54.
 Altman, D. G. and Bland, J. M. 1987 Comparing methods of measurement. *Letter to JRSS B*, 36, 224-225.
 Berkson, J. 1950 Are there two regressions? *JASA*, 45, 164- 180.
 Brown, M. L. 1982 Robust line estimation with errors in both variables. *JASA*, 77, 71-79; correction 78, 1008.
 Buonaccorsi, J. P. (1989). “Errors -in-Variables with Systematic Biases”, *Communications in Statistics, Theory and Methods*, 18(3), 1001- 1021.
 Buonaccorsi, J. P. (1994). Measurement error models for gypsy moth studies. In *Case Studies in Biometry*, N. Lange, L. Ryan, L. Billard, D. Brillinger, L. Conquest, and J. Greenhouse (eds.). New York: John Wiley.
 Buonaccorsi, J. P. (1995). Prediction in the Presence of Measurement Error: General Discussion and an Example Predicting Defoliation. *Biometrics*, 51, 1562-1569.

<http://www.math.umass.edu/~johnpb/s697m/Biometrics95.pdf>

Gillard J W f” An Historical Overview of Linear Regression with Errors in both Variables”. Cardiff School of Mathematics Technical Report (2006).

http://www.cardiff.ac.uk/mathematics/people/postgraduate/gillard_research.html

Carroll, R. J. and Spiegelman, C. H. (1992), Diagnostics for nonlinearity and heteroscedasticity in errors-in-variables regression. *Technometrics*, 34, 186-196.

Carroll, R. J. and Spiegelman, C. H. 1986 The effect of small measurement error on precision instrument calibration. *J. of Quality Technology*, 18, 170-173.

Cochran, W. G. 1975 Some effect of errors of measurement on linear regression. Proc. 6th Berkeley Symposium.

Dolby, G. R. (1976). The ultra-structural relation: A synthesis of the functional and structural relations. *Biometrika*, 63, 39-50.

Ganse, R. A., Amemiya, Y. and Fuller, W. A. 1983 Prediction when both variables are subject to error, with application to earthquake magnitude. *JASA*, 78, 761-765.

Huwang, L. 1993 A confidence set for the slope in the Dolby’s ultrastructural model. *Comm. in Stat.*, 22(5) 1403-1412.

- Ketellapper, R. H. 1983 On estimating parameters in a simple linear errors-in-variables model. *Tech.*, 25, 43-47.
- Kelly, G. E. 1985 Use of the structural equations model in assessing the reliability of a new measurement technique. *Appl. Stat.*, 34, 258-263. (Letter of Response, 1987, 36, p.224)
- Madansky, A. 1959 The fitting of straight lines when both variables are subject to error. *JASA*, 54, 173-205.
- Mandel, J. 1984 Fitting straight lines when both variables are subject to error. *J. of Quality Tech.*, 16, 1-14.
- Moran, P. A. P. 1971 Estimating structural and functional relationships. *J. Mult. Anal.*, 1, 232-255.
- Rosner, B. and Willett, W. C. 1988 Interval estimates for correlation coefficients corrected for within-person variation: implications for study design and hypothesis testing. *Amer. J. of Epidemiology*,
- Reilman, M. A., Gunst, R. F. and Lakshminarayanan, M. Y. 1986 Stochastic regression with errors in both variables. *J. of Quality Tech.*, 18, 162-169.
- Reilman, M. A., Gunst, R. F. and Lakshminarayanan, M. Y. 1985 Structural model estimation with correlated measurement errors. *Biometrika*, 72, 669-672.
- Rosner, B. and Willett, W. C. 1988 Interval estimates for correlation coefficients corrected for within-person variation: implications for study design and hypothesis testing. *Amer. J. of Epidemiology*,
- Schaalje, G. B. and Butts, R. A. (1992) Binomial sampling for predicting density of Russian wheat aphid (Homoptera Aphididae) on winter wheat in the fall using a measurement error model. *J. of Economic Entomology*, 85, 1167-1175.
- Schaalje, G. B. and Butts, R. A. (1993). Some effects of ignoring correlated measurement error variances in straight line regression and prediction. *Biometrics*, 49, 1262-1267.
- Schafer, Daniel W. (1987) Measurement-error diagnostics and the sex discrimination problem *Journal of Business & Economic Statistics*, 5, 529-537
- Spiegelman, C. 1979 On estimating the slope of a straight line when both variables are subject to error. *Ann. Stat.*, 7, 201-206.
- Spiegelman, C. H. 1986 Two pitfalls of using standard regression diagnostics when both X and Y have measurement error. *The American Statistician*, 40, 245-248.
- Thoresen, M and Laake, P. (2006). "On the simple linear regression model with correlated measurement errors". *Journal of Statistical Planning and Inference*, 68-78.

Estimating Reliability, etc.

- Healy, M. J. R. 1989. "Measuring Measuring Errors". *Statistics in Medicine*, 8, 893-906.
- Plummer and Clayton, 1993. Measurement Error in dietary assessment: An investigation using covariance structure models. Part I. *Statistics in Medicine*, 12, 925-935.
- Plummer and Clayton, 1993. Measurement Error in dietary assessment: An investigation using covariance structure models. Part **. *Statistics in Medicine*, 12, 927-948.

Multiple Linear Regression (Selected references, there are many many others!)

Same books as under simple linear regression. Fuller, Cheng and VanNess and Gustafson all have some treatment and a number of references, many which I have not repeated here.

Aickin and Ritenbaugh. "Analysis of multivariate reliability structures and the induced bias in linear model estimation." Statistics in Medicine, 15, 1647-1661.

<http://www3.interscience.wiley.com/cgi-bin/jissue/18976>

Bekker, P. A., Wansbeek, T. J. and Kapteyn, A. 1985 Errors in variables in econometrics: new developments and recurrent themes. Statistica Neerlandica, 39, 129-141.

Blalock, H. M., Jr., Well, C. S. and Carter, L. F. 1970 Statistical estimation with random measurement error. In E. F. Borgatta and G. W. Bohrnstedt (Eds.), Sociological Methodology. Jossey-Bass Inc.: San Francisco.

Bock, D. R. and Peterson, A. C. 1975 A multivariate Correction for Attenuation. Biometrika, 62, 673-678.

Carroll, R. J., Gallo, P. and Gleser, L. J. 1985 Comparison of least squares and errors-in-variables regression, with special reference to randomized analysis of covariance. JASA, 80, 929- 932.

Chan, L. K. and Mak, T. K. 1983 Maximum likelihood estimation of a linear structural relationship with replication. JRSS B, 41, 263-268.

Davies, R. B. and Hutton, B. 1975 The effect of errors in the independent variables in linear regression. Biometrika, 62, 383- 391. (Correction: Biometrika, 64, 655.)

Davey Smith and Phillips. Inflation in epidemiology: "The proof and measurement of association between two things" revisited. BMJ 1996;312:1659-1661 (29 June)

DeGracie, J. S. and Fuller, W. A. 1972 Estimation of the slope and analysis of covariance when the concomitant variable is measured with error. JASA, 67, 930-937.

Ferrari, Friedenreich and Matthews. "The Role of Measurement Error in Estimating Levels of Physical Activity". American Journal of Epidemiology Advance Access published online on August 1, 2007.

Fuller, W. A. and Hidiroglou, M. A. 1978 Regression estimation after correcting for attenuation. JASA, 73, 99-104.

Gleser, L. J. 1991 Measurement error models. Chemometrics and Int. Lab. Systems, 10, 45-57.

Gleser, L. J. 1991 The importance of assessing measurement reliability in multivariate regression. JASA,

Hasabelnaby, N. A., Ware, J. H. and Fuller, W. A. 1989 Indoor air pollution and pulmonary performance: investigating errors in exposure assessment. Statistics in Medicine, 8, 1109-1126.

<http://www3.interscience.wiley.com/cgi-bin/jissue/113396009>

Hasabelnaby, N. A. and Fuller, W. A. 1991 Measurement error models with unequal error variances. Proceedings of the International Workshop on Statistical Modelling and Latent Variables. Trento, Italy.

Klepper, S., Kamlet, M. S. and Frank, R. G. 1987 Regressor diagnostics for the errors-in-variables model—An application to the health effects of pollution.

McDonald, R. A. "Strategies for dealing with measurement error in multiple regression".

Osborne, Jason W. (2003). Effect sizes and the disattenuation of correlation and regression coefficients: lessons from educational psychology. Practical Assessment, Research & Evaluation, 8(11).

<http://PAREonline.net/getvn.asp?v=8&n=11>

Osborne, Jason W. - Waters, Elaine. "Multiple Regression Assumptions. ERIC Digest." Source: ERIC Clearinghouse on Assessment and Evaluation College Park MD.

Schafer, D. W. 1987 Measurement-error diagnostics and the sex discrimination problem. *J. of B & E Stat.*, 5, 529-537.

Schafer, D. W. and Purdy, K. G. (1996). Likelihood analysis for errors-in-variables regression with replicate measurements. *Biometrika*, 83, 813-824.

Warren, R. D., White, J. K., and Fuller, W. A. 1974 An errors- in-variables analysis of managerial role performance. *JASA*, 69, 886-893.

Wang, C. Y. 1993 Alternative Covariance estimates in a replicated measurement error model with correlated heteroscedastic errors. *Comm. in Stat. T & M*, 22(7) 1810-1828.

Measurement Error in Regression more generally

Armstrong, B. G.(1985) Measurement Error in the Generalized Linear Model. *Comm. in Stat., Theory & Methods*, 14, 529-544

Armstrong, B. G., Whittemore, A. S. and Howe, G. R. (1989) Analysis of Case - Control Data With Covariate Measurement Error: Application to Diet and Colon Cancer. *Statistics in Medicine* 8, 1151-1163.

Buonaccorsi, J. P. (1990a). Double Sampling for Exact Values in Some Multivariate Measurement Error Problems. *Journal of the American Statistical Association*, 85, 1075-1082.

Buonaccorsi, J. P. (1990b). Double Sampling for Exact Values in The Normal Discriminant Model with Applications to Binary Regression. *Communications in Statistics; Theory and Methods*, 19(12), 4569-4586.

Buonaccorsi, J. P. (1996). A modified estimating equation approach to correcting for measurement error in regression. Submitted to *Biometrika*, 83, 433-440.

Buonaccorsi, J. P. (1996b) "Measurement Error in the Response in the General Linear Model". *Journal of the American Statistical Association*, 91,633-642.

2005 Buonaccorsi, J., Laake, P. and M. Veierod. "A note on the effect of misclassification on bias of perfectly measured covariates in regression. *Biometrics*, 61, 831-836.

Burr, D. (1988). On Errors in Variables in Binary Regression - Berkson Case. *JASA*, 83, 739 - 743.

Carroll, R. J. et. al. (1984). On Errors-in-variables for Binary Regression Models, *Biometrika*, 71, 19-25.

Carroll, R. J. and Stefanski, L. A. (1985). Covariate measurement error in logistic regression. *Ann. Statist.*, 13, 1335-1351.

Carroll, R. J. and Stefanski, L. A. (1990) "Approximate quasi-likelihood estimation in models with surrogate predictors", *Journal of the American Statistical Association*, 85, 652-663.

Carroll, R. J. , Roeder, K. , and Wasserman, L. (1999), "Flexible parametric measurement error models", *Biometrics*, 55 , 44-54

Carroll RJ, Ruppert D, Crainiceanu CM, et al. (2004). "Nonlinear and nonparametric regression and instrumental variables". *JASA*, 99 (467): 736-750.

Cook, J. and Stefanski, L. (1995). A simulation extrapolation method for parametric measurement error models. *J.A.S.A.*, 89, 1314-1328.

- Gleser, L. J. (1990). Estimation in nonlinear errors-in-variables models. *Contemporary Mathematics: Proceedings of the Conference on Measurement Error Models*, 112, 99-114.
- Kuchenhoff, H. (1990). Logit- und Probitregression mit Fehlern in den Variablen. Anton Hain, Frankfurt am Main.
- Liang, K.-Y. and Liu, X. (1991). Estimating equations in generalized linear models with measurement error. In *Estimating Functions*, V. P. Godambe (Ed.), 47-63. New York: Oxford Press.
- Li EN, Zhang DW, Davidian M (2004). “Conditional estimation for generalized linear models when covariates are subject-specific parameters in a mixed model for longitudinal measurements.” *Biometrics*, 60 (1): 1-7.
- Liu, X. and Liang, K.-Y. (1992). Efficacy of repeated measures in regression models with measurement error. *Biometrics*, 48, 645-654.
- Mallick, B , Hoffman, F. O , and Carroll, R. J. (2002), “Semiparametric regression modeling with mixtures of Berkson and classical error, with application to fallout from the Nevada test site”, *Biometrics*, 58 (1) , 13-20
- Nakamura, T. (1990). Corrected score function for errors-in-variables models: Methodology and application to generalized linear models. *Biometrika*, 77, 127-137.
- Rabe-Hesketh, S., Pickles, A. and Skrondal, A. (2003a). Correcting for covariate measurement error in logistic regression using nonparametric maximum likelihood estimation. *Statistical Modelling*, 3 (3), 215-232.
- Rabe-Hesketh, S. and Skrondal, A. and Pickles, A. (2003b). Maximum likelihood estimation of generalized linear models with covariate measurement error. *The Stata Journal* 3 (4), 385-410.
- Reiersol, O. (1950) Identifiability of a linear relation between variables which are subject to error. *Econometrica*, 18, 375-389.
- Rippin G. (2001) “Design issues and sample size when exposure measurement is inaccurate”. *Methods of information in Medicine*, 40 (2): 137-140.
- Roeder, K. , Carroll, R. J. , and Lindsay, B. (1996), “A semiparametric mixture approach to case-control studies with errors in covariates”, *Journal of the American Statistical Association*, 91 , 722-732
- Rosner, B. , Willett, W. C. and Spiegelman, D. (1989) Correction of logistic regression relative risk estimates and confidence intervals for systematic within-person measurement error. *Statistics in Medicine*, 8, 1051-1070.
- Rosner, B. , Spiegelman, D, and Willett, W. C. (1990) Correction of logistic regression relative risk estimates and confidence intervals for measurement error: The case of multiple covariates measured with error. *American Journal of Epidemiology*, 132, 734-745.
- Rosner, B. , Spiegelman, D, and Willett, W. C. (1992) Correction of logistic regression relative risk estimates and confidence intervals for random within-person variation. *American Journal of Epidemiology*, 136, 1400- 1413.
- Rosner, B , and Gore, R (2001), “Measurement error correction in nutritional epidemiology based on individual foods, with application to the relation of diet to breast cancer”, *American Journal of Epidemiology*, 154 (9) , 827-835

- Rosner, B. (1996), "Measurement error models for ordinal exposure variables measured with error", *Statistics in Medicine*, 15 , 293-303
- Schafer, D.W. (1987). Covariate Measurement Error in Generalized Linear Models. *Biometrika*, 74, 385-391.
- Schafer, D. W. (1993). Likelihood analysis for probit regression with measurement errors. *Biometrika*, 80, 899-904.
- Schafer, D. W. and Purdy, K. G. (1996). Likelihood analysis for errors-in-variables regression with replicate measurements. *Biometrika*, 83, 813-824.
- Schafer, Daniel W. (1986) Combining information on measurement error in the errors-in-variables model *Journal of the American Statistical Association*, 81, 181-185
- Schafer, Daniel W. (2001), "Semiparametric maximum likelihood for measurement error model regression", *Biometrics*, 57 (1) , 53-61
- Schennach SM Estimation of nonlinear models with measurement error *ECONOMETRICA* 72 (1): 33-75 JAN 2004
- Skrondal, A. and Rabe-Hesketh, S. (2004). Generalized Latent Variable Modeling: Multilevel, Longitudinal and Structural Equation Models. Boca Raton, FL: Chapman & Hall/CRC.
- Spiegelman, Donna , Rosner, Bernard , and Logan, Roger (2000), "Estimation and inference for logistic regression with covariate misclassification and measurement error in main study/Validation study designs", *JASA*, 95 (449) , 51-61
- Spiegelman, D. , Carroll, R. J. , and Kipnis, V. (2001), "Efficient regression calibration for logistic regression in main study/internal validation study designs with an imperfect reference instrument", *Statistics in Medicine*, 20 (1) , 139-160
- Spiegelman, Donna (1994), "Cost-efficient study designs for relative risk modeling with covariate measurement error", *Journal of Statistical Planning and Inference*, 42 , 187-208
- Staudenmayer J, Ruppert D (2004) "Local polynomial regression and simulation-extrapolation". *JRSS-B*, 66: 17-30.
- Stefanski, L. (1985). The Effects of Measurement Error on Parameter Estimation. *Biometrika*, 72, 583-592.
- Stefanski, L. and Carroll, R. (1985). Covariate Measurement Error in Logistic Regression. *Annals of Statistics*, 13, 1335-1351.
- Stefanski, L., and Carroll, R. J. (1990a). Structural Logistic regression measurement error models. *Contemporary Mathematics: Proceedings of the Conference on Measurement Error Models*, 112.
- Stefanski, L. A., and Carroll, R. J. (1987). Conditional scores and optimal scores for generalized linear measurement -error models. *Biometrika*, 74, 703-16.
- Stefanski, and Cook, J. (1995). Simulation extrapolation: the measurement error jackknife. *J.A.S.A.*,90, p. 1247.
- Stefanski, L. A. (2000), "Measurement error models", *Journal of the American Statistical Association*, 95 (452) , 1353-1358
- Thompson JR, Carter RL An overview of normal theory structural measurement error models *INTERNATIONAL STATISTICAL REVIEW* 75 (2): 183-198 AUG 2007

Thoresen, M , and Laake, P (2000), “A simulation study of measurement error correction methods in logistic regression”, *Biometrics*, 56 (3) , 868-872

Thoresen M, Laake P. (2003). “The use of replicates in logistic measurement error modelling”. *Scandinavian Journal of Statistics*, 30 (3): 625-636.

Thurston SW, Williams PL, Hauser R, et al. A comparison of regression calibration approaches for designs with internal validation data *JOURNAL OF STATISTICAL PLANNING AND INFERENCE* 131 (1): 175-190 APR 1 2005

Thurston SW, Spiegelman D, Ruppert D Equivalence of regression calibration methods in main study/external validation study designs *JOURNAL OF STATISTICAL PLANNING AND INFERENCE* 113 (2): 527-539 MAY 1 2003

Tosteson, T. D., Stefanski, L. A. and Schafer, D. W. (1989). A measurement error model for binary and ordinal regression. *Statistics in Medicine*, 8, 1139-1148.

Tosteson, T.D. and Ware, J. (1990). Designing a logistic regression study using surrogate measures of exposure and outcome. *Biometrika*, 77, 11-20.

Tosteson TD, Buzas JS, Demidenko E, et al. (2003). “Power and sample size calculations for generalized regression models with covariate measurement error”. *Statistics in Medicine*, 22 (7): 1069-1082.

Veierød, M. B., and Laake, P. (2001), “Exposure misclassification: Bias in category specific Poisson regression coefficients”, *Statistics in Medicine*, 20 (5), 771-784

Wang LQ A unified approach to estimation of nonlinear mixed effects and Berkson measurement error models *CANADIAN JOURNAL OF STATISTICS-REVUE CANADIENNE DE STATISTIQUE* 35 (2): 233-248 JUN 2007

Weller EA, Milton DK, Eisen EA, et al. Regression calibration for logistic regression with multiple surrogates for one exposure *JOURNAL OF STATISTICAL PLANNING AND INFERENCE* 137 (2): 449-461 FEB 1 2007

Whittemore, A. (1989). Errors-in-variables using stein estimates. *American Statistician* ,43, 226-228.

Whittemore, A. S. and Keller, J. B. (1988). Approximations for regression with covariate measurement error. *JASA* , 83, 1057-1066.

Measurement Error in Time Series and Longitudinal Studies.

In addition to discussion in Carroll et al. (2006) book, here are a few references that will provide access to the literature.

Buonaccorsi, J , Demidenko, E , and Tosteson, T (2000), “Estimation in longitudinal random effects models with measurement error”, *Statistica Sinica*, 10 (3) , 885-903

2006 Staudenmayer, J. and Buonaccorsi, J. “Measurement Error in a Random Walk Model with Applications to Population Dynamics”. *Biometrics*, 62, 4, 1178 - 1189.

Staudenmayer, J. and Buonaccorsi, J. “Accounting for measurement error in linear autoregressive time series models.” *J. of the American Statistical Assoc.*, 2005, 100, 841-852.