

Lista de Lucrări
Conf. Dr. Marius ȘTEFAN
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(a) lista celor maximum 10 lucrări considerate a fi cele mai relevante pentru realizările profesionale proprii

- 10) Ștefan, M.** and Rao, J.N.K. (2026), *Jackknife bias-corrected variance estimation for the generalized regression estimator*, The Canadian Journal of Statistics, Early View Section, ISSN 0319-5724, DOI:10.1002/cjs.70049, WOS: 001784793100001
- 9) Ștefan, M.** and Hidirolou, M.A. (2024), *Estimation of a population total under nonresponse using follow-up*, Journal of Survey Statistics and Methodology, Vol. 12, Issue 5, pp. 1365-1388, ISSN 2325-0984, DOI: 10.1093/jssam/smae002, WOS: 001182176500001.
- 8) Ștefan, M.** and Hidirolou, M.A. (2024), *Jackknife bias-corrected generalized regression estimator in survey sampling*, Journal of Survey Statistics and Methodology, Vol. 12, Issue 1, pp. 211-231, ISSN 2325-0984, DOI: 10.1093/jssam/smac027, WOS: 000886406800001.
- 7) Ștefan, M.** and Hidirolou, M.A. (2023), *A bootstrap variance procedure for the generalized regression estimator*, International Statistical Review, Vol. 91, Issue 2, pp. 294-317, ISSN 0306-7734, DOI: 10.1111/insr.12528, WOS: 000869691300001.
- 6) Ștefan, M.** and Hidirolou, M.A. (2021), *Estimation of design mean squared error of a small area mean model-based estimator under a nested error linear regression model*, The Canadian Journal of Statistics, Vol.49, Issue 4, pp. 1338-1363, ISSN 0319-5724, DOI:10.1002/cjs.11622, WOS: 000657397000001.
- 5) Ștefan, M.** and Hidirolou, M.A. (2021), *Small area benchmarked estimation under the basic unit level model when the sampling rates are non-negligible*, Survey Methodology, Vol. 47, Issue 1, pp. 123-149, ISSN 0714-0045, WOS: 000665638700006.
- 4) Ștefan, M.** and Hidirolou, M.A. (2021), *Benchmarked estimators for a small area mean under a onefold nested regression model*, International Statistical Review, Vol. 89, Issue 1, pp. 108-131, ISSN 0306-7734, DOI: 10.1111/insr.12380, WOS: 000531530500001.
- 3) Ștefan, M.** and Hidirolou, M.A. (2020), *A procedure for estimating the variance of the population mean in rejective sampling*, Journal of Official Statistics, Vol. 36, Issue 1, pp. 173-196, ISSN 0282-423X, DOI: 0.2478/jos-2020-0009, WOS: 000520863200009.
- 2) Ștefan, M.** and Hidirolou, M.A. (2020), *Local polynomial estimation for a small area mean under informative sampling*, Survey Methodology, Vol. 46, Issue 1, pp. 29-49, ISSN 0714-0045, WOS: 000545959300002.

1) Stefan, M., Panduru M.N. and Ion D.A. (2011), *Estimation of Youden index and its associated optimal cut-point when the parameters of gamma biomarkers are estimated by the method of moments*, Proceedings of the Romanian Academy Series A, Vol. 12, Issue 4, pp.269-276, ISSN 1454-9069, WOS: 000298771700001.

(b) teza de doctorat

Contributions à l'estimation pour petits domaines, Institut de Statistique et de Recherche Opérationnelle, Université Libre de Bruxelles, 303 pagini.

Data susținerii :

susținerea privată: 1 iulie 2005

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Conducători de Doctorat: Jean-Jacques DROESBEKE și Catherine DEHON

Membrii Juriului : Marc HALLIN (președinte), Jean-Jacques DROESBEKE, Catherine DEHON, Jean-Claude DEVILLE, Davy PAINDAVEINE, Guy MELARD, Catherine VERMANDELE.

Link teză de doctorat :

https://cibleplus.ulb.ac.be/discovery/fulldisplay?docid=alma991009678025204066&context=L&vid=32ULDB_U_INST:32ULB_VU1&lang=fr&search_scope=MyInst_and_CI&adaptor=Local%20Search%20Engine&tab=Everything&query=any,contains,contributions%20%C3%A0%20l'estimation%20pour%20petits%20domaine&mode=basic

Teza de doctorat a fost citată în trei lucrări:

Verret, F., Rao, J.N.K. and Hidirolou, M.A. (2015), *Model-based small area estimation under informative sampling*, Survey Methodology, Vol 41, Issue 2, pp. 333-347,

Link articol: <https://www150.statcan.gc.ca/n1/pub/12-001-x/2015002/article/14248-eng.pdf>

Rao, J.N.K. and Molina, I. (2015), *Small area estimation*, Second Edition, Wiley Series in Survey Methodology, John Wiley & Sons, 480 pagini, ISBN 978-1-118-73578-7.

Link carte:

<https://www.wiley.com/en-us/Small+Area+Estimation%2C+2nd+Edition-p-9781118735787>

Citarea tezei de doctorat se găsește la pagina 216 a cărții.

Guadarama, M., Molina, I. and Rao, J.N.K. (2018), *Small area estimation of general parameters under complex sampling designs*, Computational Statistics and Data Analysis, Vol 121, pp. 20-40

Link articol: <https://www.sciencedirect.com/science/article/abs/pii/S0167947317302517>

(c) cărți

Stefan, M. (2009), *La méthode minque appliquée à l'estimation petits domaines*, Editura Didactică și Pedagogică, București, ISBN 978-973-30-2506-1.

Referenți: Jean-Jacques DROESBEKE și Jean-Claude DEVILLE.

Stefan M. Stefan

(d) articole/studii in extenso, publicate în reviste din fluxul stiintific international principal

21) Stefan, M. and Rao, J.N.K. (2026), *Jackknife bias-corrected variance estimation for the generalized regression estimator*, The Canadian Journal of Statistics, Early View Section, ISSN 0319-5724, DOI:10.1002/cjs.70049, WOS: 001784793100001

20) Stefan, M. and Hidiroglou, M.A. (2024), *Estimation of a population total under nonresponse using follow-up*, Journal of Survey Statistics and Methodology, Vol. 12, Issue 5, pp. 1365-1388, ISSN 2325-0984, DOI: 10.1093/jssam/smae002, WOS: 001182176500001.

19) Stefan, M. and Hidiroglou, M.A. (2024), *Jackknife bias-corrected generalized regression estimator in survey sampling*, Journal of Survey Statistics and Methodology, Vol. 12, Issue 1, pp. 211-231, ISSN 2325-0984, DOI: 10.1093/jssam/smac027, WOS: 000886406800001.

18) Chirca, N., Streinu-Cercel, A., Stefan, M., Aurelian, J. and Persu, C. (2023), *A novel risk calculator to predict erectile dysfunction in HIV positive men*, Journal of Personalized Medicine, Vol. 13, Issue 4, eISSN 2075-4426, DOI: 10.3390/jpm13040679, WOS: 000977499000001.

17) Ashutosh, A., Stefan, M., Rai, P.K., Emam, W., Iftikhar, S., Anas, M.M. (2024), *Simulation analysis of non-respondent information in context of small area*, Helyion, Issue 6, Vol. 10, eISSN 2405-8440, WOS: 001250929300001.

16) Stefan, M. and Hidiroglou, M.A. (2023), *A bootstrap variance procedure for the generalized regression estimator*, International Statistical Review, Vol. 91, Issue 2, pp. 294-317, ISSN 0306-7734, DOI: 10.1111/insr.12528, WOS: 000869691300001.

15) Lazar, M., Barbu, E.C., Chitu, C.E., Stefan, M., and Ion, D.A. (2022), *Ultrasound markers in early diagnosis of asymptomatic chronic hepatitis. A prospective study*, GERMS, Vol. 12, Issue 1, pp. 54-62, ISSN 2248-2997, DOI: 10.18683/germs.2022.1306, WOS: 000782848300006.

14) Stefan, M. and Hidiroglou, M.A. (2021), *Estimation of design mean squared error of a small area mean model-based estimator under a nested error linear regression model*, The Canadian Journal of Statistics, Vol.49, Issue 4, pp. 1338-1363, ISSN 0319-5724, DOI:10.1002/cjs.11622, WOS: 000657397000001.

13) Stefan, M. and Hidiroglou, M.A. (2021), *Small area benchmarked estimation under the basic unit level model when the sampling rates are non-negligible*, Survey Methodology, Vol. 47, Issue 1, pp. 123-149, ISSN 0714-0045, WOS: 000665638700006.

12) Stefan, M. and Hidiroglou, M.A. (2021), *Benchmarked estimators for a small area mean under a onefold nested regression model*, International Statistical Review, Vol. 89, Issue 1, pp. 108-131, ISSN 0306-7734, DOI:10.1111/insr.12380, WOS: 000531530500001.

11) Stefan, M. and Hidirolou, M.A. (2020), *A procedure for estimating the variance of the population mean in rejective sampling*, Journal of Official Statistics, Vol. 36, Issue 1, pp. 173-196, ISSN 0282-423X, DOI: 10.2478/jos-2020-0009, WOS: 000520863200009.

10) Stefan, M. and Hidirolou, M.A. (2020), *Local polynomial estimation for a small area mean under informative sampling*, Survey Methodology, Vol. 46, Issue 1, pp. 29-49, ISSN 0714-0045, WOS: 000545959300002.

9) Streinu-Cercel, A., Sandulescu, O., Stefan, M., and Streinu-Cercel, A. (2016), *Treatment with lamivudine and entecavir in severe acute hepatitis B*, Indian Journal of Medical Microbiology, Vol. 34, Issue 2, pp. 166-172, ISSN 0255-0857, DOI:10.4103/0255-0857.176837, WOS: 000378536300008.

8) Lazar, I.M., Stefan, M., Arama, V., and Ion, A.D. (2012), *Evaluation of hepatic circulation in patients with cirrhosis*, Therapeutics, Pharmacology and Clinical Toxicology, Issue 2, pp. 121-126, ISSN 1583-0012.

7) Lazar, I.M., Stefan, M., Arama, V. and Ion, A.D. (2012), *The role of ultrasound evaluation in the diagnosis of fatty liver – is an accurate staging possible?*, Therapeutics, Pharmacology and Clinical Toxicology, Issue 2, pp. 90-94, ISSN 1583-0012.

6) Stefan, M., Panduru M.N. and Ion D.A. (2011), *Estimation of Youden index and its associated optimal cut-point when the parameters of gamma biomarkers are estimated by the method of moments*, Proceedings of the Romanian Academy Series A, Vol. 12, Issue 4, pp.269-276, ISSN 1454-9069, WOS: 000298771700001.

5) Stefan, M., Streinu-Cercel, A. and Ion D.A. (2010), *Regional estimation of the body mass index using data from the 2002/2003 French Health Survey*, Proceedings of the Romanian Academy Series A, Vol. 11, Issue 4, pp.303-311, ISSN 1454-9069, WOS: 000286168600003.

4) Stefan, M. (2010), *Prediction of a small area mean for a finite population when the variance components are random*, Mathematical Reports, Vol. 12, Issue 3, pp.301-313, ISSN 1582-3067, WOS: 000282727900008.

3) Stefan, M. (2009), *Prediction of a small area mean for an infinite population when the variance components are random*, Romanian Journal for Economic Forecasting, Vol. 10, Issue 3, pp. 22-31, ISSN 1222-5436, WOS: 000270438700002.

2) Stefan, M. (2009), *Small area estimation of the number of visits to the specialist in 2002/2003 French Health Survey*, Proceedings of the Romanian Academy Series A, Vol. 10, Issue 2, pp. 111-119, ISSN 1454-9069, WOS: 000268079900002.

1) Stefan, M. (2008), *Hierarchical bayesian estimation of the number of visits to the generalist in 2002/2003 French Health Survey*, Romanian Journal for Economic Forecasting, Vol. 9, Issue 2, pp. 67-91, ISSN 1222-5436, WOS: 000257521400005.

(e) contracte și rapoarte științifice

- 1) Aligica, P.D., Matei, A., **Stefan, M.**, Neamtu, E., Iorga, A., Mihalache, F. (2011) *Forța de muncă în mediul rural. Contribuții exploratorii*. Raport de cercetare al proiectului POSDRU 83/5.2/S/49766, *Competențe europene pentru mediul rural*, Fundația Centrul de Analiză și Dezvoltare Instituțională (CADI) – Eleutheria, 98 pagini.
- 2) Contract de studii postdoctorale în cadrul proiectului POSDRU 89/1.5/S/64109 *Sprijinirea cercetării prin formarea de specialiști în cadrul programului de studii postdoctorale*, 2010-2012, Universitatea de Medicină și Farmacie „Carol Davila”, Manager proiect Prof. Univ. Dr. Adrian Streinu-Cercel.
- 3) Dreesbeke, J.J., **Stefan, M.**, Vermandele, C. (2007), *Analyse statistique du type «petits domaines» des données collectées lors de l'enquête santé 2002-2003 - Evaluation des possibilités et estimations*. Marché M 05000229F 6/15-MC/FM-18.123 – Rapport final de recherche. Direction de la recherche, des études, de l'évaluation et des statistiques (DREES) et Université Libre de Bruxelles, 122 pages.
Link raport final:
<https://difusion.ulb.ac.be/vufind/Record/ULB-DIPOT:oai:dipot.ulb.ac.be:2013/51981/Details>

(f) prezentări științifice la conferințe/workshopuri naționale și internaționale

- 15) **Stefan, M.** and Rao, J.N.K. (2026), *Design mean square error estimation for small area means under unit-level models*, SAE2026, Conference on Small Area Estimation, Survey and Data Science, 15-19 iunie, Facultatea de Administrarea Afacerilor, Universitatea din București, București, Romania.
- 14) Hidirolou, M.A. and **Stefan, M.** (2022), *Small area benchmarked estimation for the unit level model*, 2022 International Methodology Symposium, Virtual Conference, Statistics Canada, 2-4 noiembrie.
- 13) Hidirolou, M.A. and **Stefan, M.** (2017), *Benchmarked estimators for a small area mean under a one-fold nested regression model*, SAE2017, Small area estimation conference 2017, 10-12 iulie, ENSAI-CREST, Paris, Franta.
- 12) Lazar, I.M., **Stefan, M.**, Arama, V. and Ion, D.A. (2012). *Ultrasound evaluation in patients with chronic hepatitis*, Zilele Științifice ale Institutului de Boli Infecțioase „Prof. Dr. Matei Balș”, 17-19 octombrie 2012.
- 11) Lazar, I.M., **Stefan, M.**, Arama, V. and Ion, D.A. (2012). *Evaluarea modificărilor circulatorii hepatice la pacienții cirotici*, Al XI-lea Congres Național de Boli Infecțioase, București, 26-29 septembrie.
- 10) **Stefan, M.** (2006). *Regional estimation based on data from the 2002/2003 French health survey*, The Fourth Annual Meeting of the European Ph.D. in Socio-Economic and Statistical Studies, 25-27 septembrie, Università di Roma, La Sapienza, Italia.

9) **Stefan, M.** (2006). *Estimations régionales dans l'enquête décennale santé: rapport préliminaire de recherche*, Direction de la recherche, des études, de l'évaluation et des statistiques (DREES), Ministère de l'emploi, de la cohésion sociale et du logement – Ministère de la santé et des solidarités, 20 juin, Paris, France.

8) **Stefan, M.** (2006). *L'estimation de la moyenne d'un petit domaine sous des plans de sondage informatifs*, 38ième journées de statistique, 29 mai-2 juin, 2006, Clamart, France.

7) **Stefan, M.** (2005). *Prediction of a small area mean under an informative sampling design*, The Third Annual Meeting of the European Ph.D. in Socio-Economic and Statistical Studies, 16-25 septembre, Università di Roma La Sapienza, Italia.

6) **Stefan, M.** (2005). *Estimation de l'erreur quadratique moyenne du meilleur prédicteur linéaire empirique de la moyenne d'un petit domaine sous un modèle linéaire two-fold avec variances aléatoires*, Quatrième colloque francophone sur les sondages, 24-27 mai, Quebec, Canada.

5) **Stefan, M.** (2004). *Mean squared error estimation of the empirical best linear unbiased predictor of a small area mean under a two-fold nested linear model with random variances*, The Second Annual Meeting of the European Ph.D. in Socio-Economic and Statistical Studies, Humboldt University 25-28 novembre, Berlin, Germania.

4) **Stefan, M.** (2004). *Approximation de l'erreur quadratique moyenne de EBLUP de la moyenne d'un petit domaine quand les composantes de la variance sont estimées par la méthode MINQUE*, 12th Annual meeting of the Belgian Statistical Society, 8-9 octobre, Vielsam, Belgia.

3) **Stefan, M.** and Dreesbeke, J.J. (2004). *Les enquêtes par sondage : un outil au service de l'économie et de la gestion*, Congrès de gestion pour les entreprises, La Haute Ecole Francisco Ferrer, 19 mai, Bruxelles, Belgia.

2) **Stefan, M.** (2003). *Estimation for small areas*, First Annual Meeting of the European Ph.D. in Socio-Economic and Statistical Studies, 19-23 mai, Università di Roma La Sapienza, Italia.

1) **Stefan, M.** (2002). *L'utilisation des modèles statistiques dans l'estimation pour les petits domaines*, XXXIVes Journées de statistique, 13-17 mai, Bruxelles et Louvain-la Neuve, Belgia.

Data 15 Iunie 2026

Semnătura

Marius Cornel STEFAN

