

Manuscripts soumis pour publication et publications avec comité de lecture (janvier 2019)

1. Bhagwat, P. & Marchand, É (2018). **On a proper Bayes, but inadmissible estimator** . En révision pour *The American Statistician*.
2. Marchand, É. & Nicolieris, T. (2018). **On Bayes minimax estimators for a normal mean with an uncertain constraint**. Soumis pour publication.
3. LMoudden, A. & Marchand, É (2018). **On Predictive Density Estimation under α -divergence Loss**. Soumis pour publication.
4. Fourdrinier, D., Marchand, É. & Strawderman, W.E. (2018). **On efficient prediction and predictive density estimation for spherically symmetric models**. En révision pour *Journal of Multivariate Analysis*.
5. Marchand, É. & Sadeghkhani, N. (2018). **On predictive density estimation with additional information**. *Electronic Journal of Statistics*, **12**, 4209-4238.
6. Jones, M. C. & Marchand, É. (2019). **Multivariate discrete distributions via Sums and Shares**. *Journal of Multivariate Analysis*, **171**, 83-93.
7. Jones, M. C., Marchand, É. & Strawderman, W.E. (2018). **On an intriguing distributional identity**. *The American Statistician*, À paraître.
8. Kubokawa, T., Marchand, É & Strawderman, W.E. (2017). **A unified approach to estimation of noncentrality parameters, the multiple correlation coefficient, and mixture models**. *Mathematical Methods of Statistics*, **26**, 134-148.
9. Marchand, É., Perron, F. & Yadegari, I. (2017). **On estimating a bounded normal mean with applications to predictive density estimation**. *Electronic Journal of Statistics*, **11**, 2002-2025.
10. Kubokawa, T., Marchand, É & Strawderman, W.E. (2017). **On predictive density estimation for location families under integrated absolute value loss**. *Bernoulli*, **23**, 3197-3212.
11. L'Moudden, A., Marchand, É., Kortbi, O. & Strawderman, W.E. (2017). **On predictive density estimation for Gamma models with parametric constraints**. *Journal of Statistical Planning and Inference*, **185**, 56-68.
12. Ait Aoudia, D., Marchand, É. & Perron, F. (2016). **Counts of Bernoulli Success Strings in a Multivariate Framework**. *Statistics & Probability Letters*, **119**, 1-10.
13. Ghashim, E., Marchand, É. & Strawderman, W.E. (2016). **On a better lower bound for the frequentist probability of coverage of Bayesian credible intervals in restricted parameter spaces**. *Statistical Methodology*, **31**, 43-57.
14. Kubokawa, T., Marchand, É & Strawderman, W.E. (2015). **On predictive density estimation for location families under integrated L_2 loss**. *Journal of Multivariate Analysis*, **142**, 57-74.
15. Bahamyirou, Asma & Marchand, É. (2015). **On the discrepancy between Bayes credibility and frequentist probability of coverage**. *Statistics & Probability Letters*, **97**, 63-68.
16. Kubokawa, T., Marchand, É & Strawderman, W.E. (2015). **On improved shrinkage estimators under concave loss**. *Statistics & Probability Letters*, **96**, 241-246.

17. Jafari Jozani, M., Leblanc, A. & Marchand, É (2014). **On continuous distribution functions, minimax and best invariant estimators, and integrated balanced loss functions.** *Revue Canadienne de Statistique*, **42**, 470-486.
18. Ait Aoudia, Djilali & Marchand, É. (2014). **On the simple construction of a bivariate probability function with a common marginal.** *The American Statistician*, **68**, 170-173.
19. Ait Aoudia, Djilali, Marchand, É., Perron, F. & Ben Hadj Slimene, L. (2014). **On runs, bivariate Poisson mixtures and distributions that arise in Bernoulli arrays.** *Electronic Communications in Probability*, **19**, no. 8, 1-12.
20. Jafari Jozani, M., Marchand, É. & Strawderman, W.E. (2014). **Estimation of a nonnegative location parameter with unknown scale.** *Annals of the Institute of Statistical Mathematics*, **66**, 811-832.
21. Kortbi, O. & Marchand, É. (2013). **Estimation of a multivariate normal mean with a bounded signal to noise ratio.** *Sankhyā A*, **75-A**, 277-299.
22. Marchand, Éric, & Strawderman, W.E. (2013). **On Bayesian credible sets, restricted parameter spaces and frequentist coverage.** *Electronic Journal of Statistics*, **7**, 1419-1431.
23. Kubokawa, T., Marchand, É., Strawderman, W.E., Turcotte, J.P. (2013). **Minimaxity in Predictive Density Estimation with Parametric Constraints.** *Journal of Multivariate Analysis*, **116**, 382-397.
24. Kortbi, O. & Marchand, É. (2012). **Truncated linear estimation of a bounded multivariate normal mean,** *Journal of Statistical Planning and Inference*, **142**, 2607-2618.
25. Marchand, É., Jafari Jozani, M. & Tripathi, Y. M. (2012). **On the inadmissibility of various estimators of normal quantiles and on applications to two-sample problems with additional information,** *Contemporary Developments in Bayesian analysis and Statistical Decision Theory : A Festschrift for William E. Strawderman*, Institute of Mathematical Statistics Volume Series, **8**, 104-116.
26. Marchand, Éric & Strawderman, William (2012). **A unified minimax result for restricted parameter spaces,** *Bernoulli*, **18**, 635-643.
27. Jafari Jozani, M., Marchand, É. & Parsian, A. (2012). **Bayesian and Robust Bayesian Analysis Under a General Class of Balanced Loss Functions,** *Statistical Papers*, **53**, 51-60.
28. Marchand, É. & Payandeh Najafabadi, A. T. (2011). **Bayesian improvements of a MRE estimator of a bounded location parameter.** *Electronic Journal of Statistics*, **5**, 1495-1502.
29. Fourdrinier, Dominique, Marchand, Éric, Righi, A., & Strawderman, W.E. (2011). **On improved predictive density estimation with parametric constraints.** *Electronic Journal of Statistics*, **5**, 172-191.
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31. Ait Aoudia, Djilali & Marchand, Éric (2010). **On the number of runs for Bernoulli arrays.** *Journal of Applied Probability*, **47**, 367-377.
32. Fourdrinier, Dominique & Marchand, Éric (2010). **On Bayes estimators with uniform priors on spheres and their comparative performance with maximum likelihood estimators for estimating bounded multivariate normal means.** *Journal of Multivariate Analysis*, **101**, 1390-1399.
33. Kucerovsky, Dan ; Marchand, Éric ; Payandeh Najafabadi, Amir & Strawderman, William (2009). **On the bayesianity of maximum likelihood estimators of restricted location parameters under absolute value error loss.** *Statistics & Decisions*, **27**, 145-168.

34. Ahmadi, Jafar ; Jafari Jozani, Mohammad ; Marchand, Éric & Parsian, Ahmad (2009). *Prediction of k -records from a general class of distributions under balanced type loss functions*. *Metrika*, **70**, 19-33.
35. Marchand,Éric & Perron, F. (2009). *Estimating a bounded parameter for symmetric distributions*. *Annals of the Institute of Statistical Mathematics*, **61**, 215-234.
36. Ahmadi, Jafar ; Jafari Jozani, Mohammad ; Marchand, Éric & Parsian, Ahmad (2009). *Bayes Estimation Based on K -record Data From a General Class of Distributions Under Balanced Type Loss Functions*. *Journal of Statistical Planning and Inference*, **139**, 1180-1189.
37. Marchand,Éric ; Strawderman, William ; Bosa, Keven & Lmoudden, Aziz (2008). *On the Frequentist Coverage of Bayesian Credible Intervals for Lower Bounded Means*. *Electronic Journal of Statistics*, **2**, 1028-1042.
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41. Marchand, Éric & Strawderman, William E. (2006). *On the behaviour of Bayesian credible intervals for some restricted parameter space problems*, *Recent Developments in Nonparametric Inference and Probability : A Festschrift for Michael Woodrooffe*, Institute of Mathematical Statistics Lecture Notes-Monograph Series, vol. 50, pp. 112-126.
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44. Marchand, Éric ; Perron, François & Rokhaya Gueye (2005). *Minimax Estimation of a Binomial Proportion when $|p - 1/2|$ is Bounded*. *Sankhya*, **67**, 526-537.
45. Kucerovsky, Daniel, Marchand, Éric, Small, Robert D. (2005). *On the Equality in Distribution of the Random Variables X and $g(X)$* . *International Journal of Pure and Applied Mathematics*, **23**, 93-114.
46. Marchand, Éric & William E. Strawderman (2005). *On improving on the minimum risk equivariant estimator of a scale parameter under a lower-bound constraint*. *Journal of Statistical Planning and Inference*, **134**, 90-101.
47. Marchand, Éric & William E. Strawderman (2005). *On Improving on the Minimum Risk Equivariant Estimator of a Location Parameter which is Constrained to an Interval or a Half-Interval*. *Annals of the Institute of Statistical Mathematics*, **57**, 129-143.
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50. Joffe, Anatole ; Marchand, Éric ; Perron, François ; & Popadiuk, Paul (2004). *On a particular sum of dependent Bernoulli and its relationship to a matching type problem*. *Journal of Theoretical Probability*, **17**, 285-292.

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53. Marchand, Éric & Whitehead, James (2002). *Statistical Evaluation of Compositional Differences between Upper Eocene Impact Ejecta Layers*. *Mathematical Geology*, **34**, 5, 553-569.
54. Marchand, Éric (2002). *On the Comparison Between Standard Draw and Random Knockout Tournaments*, *Journal of the Royal Statistical Society D (The Statistician)*. **51**, 2, 169-178.
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