

José Antonio Roldán Nofuentes

Profesor Titular del Departamento de Estadística de la Universidad de Granada. Grupo de Investigación “Bioestadística”.

Artículos en revistas de Estadística incluidas en el JCR “Statistics and Probability”

- 1. Roldán Nofuentes, J.A.** and Luna del Castillo, J.D. (2005). Comparing the likelihood ratios for two binary diagnostic tests in the presence of partial verification. *Biometrical Journal* 47, 442-457.
- 2. Roldán Nofuentes, J.A.** and Luna del Castillo, J.D. (2006). Comparing two binary diagnostic tests in the presence of verification bias. *Computational Statistics and Data Analysis* 50: 1551-1564.
- 3. Roldán Nofuentes, J.A.** and Luna del Castillo, J.D. (2007). Risk of error and the kappa coefficient of a binary diagnostic test in the presence of partial verification. *Journal of Applied Statistics* 34, 887-898.
- 4. Roldán Nofuentes, J.A.** and Luna del Castillo, J.D. (2007). Comparison of the likelihood ratios of two binary diagnostic tests in paired designs. *Statistics in Medicine* 26, 4179-4201.
- 5. Roldán Nofuentes, J.A.** and Luna del Castillo, J.D. (2007). The effect of verification bias in the naïve estimators of accuracy of a binary diagnostic test. *Communications in Statistics - Simulation and Computation* 36, 959-972.
- 6. Roldán Nofuentes, J.A.** and Luna del Castillo, J.D. (2008). The effect of verification bias on the comparison of predictive values of two binary diagnostic tests. *Journal of Statistical Planning and Inference* 138, 950-963.
- 7. Roldán Nofuentes, J.A.** and Luna del Castillo, J.D. (2008). EM algorithm for comparing two binary diagnostic tests when not all the patients are verified. *Journal of Statistical Computation and Simulation* 78, 19-35.
- 8. Roldán Nofuentes, J.A.,** Luna del Castillo, J.D., and Montero Alonso, M.A. (2009). Determining sample size to evaluate and compare the accuracy of binary diagnostic tests in the presence of partial disease verification. *Computational Statistics and Data Analysis, Special issue “Computational Statistics within Clinical Research”*, 53, 742-755.
- 9. Roldán Nofuentes, J.A.,** Luna del Castillo, J.D. and Femia Marzo, P. (2009). Computational methods for comparing two binary diagnostic tests in the presence of partial verification of the disease. *Computational Statistics*, 24, 695-718.
- 10. Roldán Nofuentes, J.A.,** Luna del Castillo, J.D. and Montero Alonso, M.A. (2009). Confidence intervals of weighted kappa coefficient of a binary diagnostic test. *Communications in Statistics - Simulation and Computation* 38, 1562-1578.

11. **Roldán Nofuentes, J.A.**, Luna del Castillo, JD, Marín Jiménez, AE. (2010). Comparison of the accuracy of multiple binary tests in the presence of partial disease verification. *Journal of Statistical Planning and inference* 140, 2504-2519.
12. **Roldán Nofuentes, J.A.** and Luna del Castillo, J.D. (2010). Comparison of weighted kappa coefficients of multiple binary diagnostic tests done on the same subjects. *Statistics in Medicine* 29, 2149-2165.
13. Luts, J., **Roldán Nofuentes, J.A.**, Luna del Castillo, J.D., and Van Huffel, S. (2011). Asymptotic hypothesis test to compare likelihood ratios of multiple diagnostic tests in unpaired designs. *Journal of Statistical Planning and Inference*, 141, 3578-3594.
14. **Roldán Nofuentes, J.A.**, Luna del Castillo, J.D. and Montero Alonso, M.A. (2012). Global hypothesis test to simultaneously compare the predictive values of two binary diagnostic tests. *Computational Statistics and Data Analysis*, Special issue "Computational Statistics for Clinical Research", 56, 1161-1173. DOI: 10.1016/j.csda.2011.06.003.
15. **Roldán Nofuentes, J.A.**, Marín Jiménez, A.E., Luna del Castillo, J.D. (2014). Asymptotic hypothesis test to simultaneously compare the weighted kappa coefficients of multiple binary diagnostic tests in the presence of ignorable missing data. *Journal of Statistical Computation and Simulation*, 84, 273-289. DOI: 10.1080/00949655.2012.706300.
16. Marín Jiménez, A.E., **Roldán Nofuentes, J.A.** (2014). Global hypothesis test to compare the likelihood ratios of multiple binary diagnostic tests with ignorable missing data. *SORT - Statistics and Operations Research Transactions*, 38, 305-324.
17. **Roldán Nofuentes, J.A.**, Olvera Porcel, C. (2015). Average kappa coefficient: a new measure to assess a binary test considering the losses associated with an erroneous classification. *Journal of Statistical Computation and Simulation*, 85, 1601-1620.
18. Marín Jiménez, A.E., **Roldán Nofuentes, J.A.** (2017). Comparison of the predictive values of multiple binary diagnostic tests in the presence of ignorable missing data. *REVSTAT - Statistical Journal*, 15, 45-64.
19. **Roldán Nofuentes, J.A.**, Amro, R. (2017). Approximate confidence intervals for the weighted kappa coefficient of a binary diagnostic test subject to a case-control design. *Journal of Statistical Computation and Simulation*, 87, 530-545.
20. **Roldán Nofuentes, J.A.**, Olvera Porcel, C. (2018). Comparison of the average kappa coefficients of binary diagnostic tests done on the same subjects. *REVSTAT - Statistical Journal*, 16, 405-428.
21. **Roldán Nofuentes, J.A.**, Amro, R. (2018). Combination of the weighted kappa coefficients of two binary diagnostic tests. *Journal of Biopharmaceutical Statistics* 28, 909-906.
22. Montero Alonso, M.A., **Roldán-Nofuentes, J.A.** (2018). Approximate confidence intervals for the likelihood ratios of a binary diagnostic test in the presence of partial disease verification. *Journal of Biopharmaceutical Statistics*, 29, 56-81.

23. Roldán-Nofuentes, J.A., Sidaty-Regad S.B. (2019). Recommended methods to compare the accuracy of two binary diagnostic tests subject to a paired design. *Journal of Statistical Computation and Simulation*, 89, 2621-2644.

24. Roldán-Nofuentes, J.A., Sidaty-Regad S.B. (2019). Comparison of the likelihood ratios of two diagnostic tests subject to a paired design: confidence intervals and sample size. *Revstat Statistical Journal*. Accepted.

Artículos en otras revistas de Estadística

1. Roldán Nofuentes, J.A., Luna del Castillo, J.D., Montero Alonso, M.A. (2012). Estimation and comparison of the weighted kappa coefficients of binary diagnostic tests: a review. *Journal of Biometrics and Biostatistics*, Special Issue “Medical Statistics: Clinical and Experimental Research”, S7-003.

Artículos en revistas de Medicina (JCR)

1. Rodríguez Cuartero A, Pérez Blanco F, Riera M, Canora J, **Roldán Nofuentes J.A.** (2004). Spurious serum hyperkalemia in essential thrombocytemia. *Clinical Nephrology*, 61 (3), 229-30.

2. Castilla, A., Zamora, S., Gonzalvo, M.C., Luna del Castillo, J.D., **Roldán Nofuentes, J.A.**, Clavero, A., Björndahl, L., Martínez, L. (2009) Sperm chromatin structure assay and classical semen parameters: systematic review. *Reproductive BioMedicine Online* 20, 114-124.

3. Zamora S, Clavero A, Gonzalvo MC, Luna del Castillo JD, **Roldán-Nofuentes JA**, Mozas J, Castilla JA. (2011). PGS-FISH in reproductive medicine and perspective directions for improvement: a systematic review. *Journal of Assisted Reproduction and Genetics*, 28, 747-757. DOI: 10.1007/s10815-011-9578-9.

Dirección de Tesis Doctorales en Estadística

1. Título: Inferencia exacta y asintótica para parámetros de tests diagnósticos discretos en presencia de verificación parcial. Doctorando: Ana Eugenia Marín Jiménez. Directores: Juan de Dios Luna del Castillo y **José Antonio Roldán Nofuentes**. Fecha: 23 de enero de 2009. Calificación: Sobresaliente Cum Laude.

2. Título: Intervalos de confianza y contrastes de hipótesis para parámetros de tests diagnósticos binarios. Doctorando: Miguel Ángel Montero Alonso. Directores: Juan de Dios Luna del Castillo y **José Antonio Roldán Nofuentes**. Fecha: 9 de marzo de 2010. Calificación: Sobresaliente Cum Laude.

3. Título: Coeficiente kappa promedio: un nuevo parámetro para evaluar y comparar el rendimiento de test diagnósticos binarios. Doctorando: María del Carmen Olvera Porcel. Director: **José Antonio Roldán Nofuentes**. Fecha: 30 de junio de 2015. Calificación: Sobresaliente Cum Laude.

4. Título: Inferences on the weighted kappa coefficients of binary diagnostic tests. Doctorando: Raid Amro. Director: **José Antonio Roldán Nofuentes**. Fecha: 18 de julio de 2017. Calificación: Sobresaliente Cum Laude.