

Publicaciones, artículos y libros publicados dentro de la línea de investigación "Estadística e Investigación Operativa" del Programa de Doctorado en Matemáticas por la Universidad de Almería, la Universidad de Cádiz, la Universidad de Granada, la Universidad de Jaén y la Universidad de Málaga durante el período 2013-2018

Stepwise selection of variables in DEA using contribution loads", Fernando Fernandez-Palacin, Maria Auxiliadora Lopez-Sanchez and Manuel Muñoz-Márquez, *Pesquisa Operacional*, 38,1:31-52, 2018. DOI: 10.1590/0101-7438.2018.038.01.0031. [\url{http://dx.doi.org/10.1590/0101-438.2018.038.01.0031}](http://dx.doi.org/10.1590/0101-438.2018.038.01.0031)

Stepwise selection of variables in DEA using contribution loads, Fernando Fernandez-Palacin, Maria Auxiliadora Lopez-Sanchez and Manuel Muñoz-Márquez, *Pesquisa Operacional*, 38,1:31-52, 2018. DOI: 10.1590/0101-7438.2018.038.01.0031. [\url{http://dx.doi.org/10.1590/0101-438.2018.038.01.0031}](http://dx.doi.org/10.1590/0101-438.2018.038.01.0031)

Analysis of a GPS Network Based on Functional Data Analysis, Pérez-Plaza, Sonia María; Fernandez-Palacin, Fernando; Berrocoso-Dominguez, Manuel; Paez-Jimenez, Raul; Rosado, Belén. *Mathematical Geosciences* (2018)

Use and satisfaction with the Healthcare System of the chronic pain patients in Spain. Result from a nationwide study.

Revista: Current medical research and opinion

Año: 2016

Volumen: 32

Número: 11

Página inicial: 1813

Página final: 1820

Autores: Dueñas-Rodríguez, María Ángeles; Ojeda-Ballesteros, Begoña; Salazar, A; Fernandez-Palacin, Fernando; Micó-Segura, Juan Antonio; Torres-Morera, Luis Miguel; Failde-Martinez, Inmaculada

Índice de impacto (ISI): 2.757

Índice de impacto (SCImago): 0,956

Cuartil (SCImago): Q1

Título: Simple Generalized Estimating Equations (GEE) and Weighted Generalized Estimating Equations (WGEE) in longitudinal studies with dropouts: guidelines and implementation in R.

Revista: Statistics in Medicine

Año: 2016

Volumen: 35

Número: 19

Página inicial: 3424

Página final: 3448

Autores: Salazar, A; Ojeda-Ballesteros, Begoña; Dueñas-Rodríguez, María Ángeles; Fernandez-Palacin, Fernando; Failde-Martinez, Inmaculada

Índice de impacto (ISI): 1.861

Índice de impacto (SCImago): 2,022

Cuartil (SCImago): Q1

Título: Factors related to the evolution of Health Related Quality of Life in coronary patients. A longitudinal approach using Weighted Generalized Estimating Equations with missing data.

Revista: International Journal of Cardiology

Año: 2016

Volumen: 223

Número:

Página inicial: 940

Página final: 946

Autores: Salazar, A; Dueñas-Rodríguez, María Ángeles; Fernandez-Palacin, Fernando; Failde-Martinez, Inmaculada

Índice de impacto (ISI): 6.189

Índice de impacto (SCImago): 1,534

Cuartil (SCImago): Q1

Título: A nationwide study of chronic pain prevalence in the general spanish population: identifying clinical subgroups through cluster analysis.

Revista: Pain Medicine

Año: 2015

Volumen: 16

Número: 4

Página inicial: 811

Página final: 822

Autores: Dueñas -rodríguez, María De Los Ángeles ; Ojeda-Ballesteros, Begoña; Fernandez-Palacin, Fernando; Torres-Morera, Luis Miguel; Failde-Martinez, Inmaculada

Índice de impacto (ISI): 2,324

Índice de impacto (SCImago): 0,869

Cuartil (SCImago): Q1

Título: A nationwide study of chronic pain prevalence in the general Spanish population, identifying clinical subgroups through cluster analysis.

Revista: Pain Medicine

Año: 2015

Volumen: 16

Número: 4

Página inicial: 811

Página final: 822

Autores: Dueñas-Rodríguez, María Ángeles; Salazar, A; Ojeda-Ballesteros, Begoña; Fernandez-Palacin, Fernando; Micó-Segura, Juan Antonio; Torres-Morera, Luis Miguel; Failde-Martinez, Inmaculada

Índice de impacto (ISI): 2,324

Índice de impacto (SCImago): 0,869

Cuartil (SCImago): Q1

Título: Do men and women perform academic work differently?

Revista: Tertiary Education and Management

Año: 2015

Volumen: 21

Número: 4

Página inicial: 263

Página final: 274

Autores: González-Ramos, Ana María; Fernandez-Palacin, Fernando; Muñoz-Marquez, Manuel

Índice de impacto (ISI):

Índice de impacto (SCImago): 0,918

Cuartil (SCImago): Q1

Título: Notes about the paper entitled "A hybridized K-means clustering approach for high dimensional dataset"

Revista: International Journal of engineering, science and technology

Año: 2014

Volumen: 6

Número: 1

Página inicial: 20

Página final: 26

Autores: Arriaza-Gómez, Antonio Jesús; Fernandez-Palacin, Fernando; Muñoz-Marquez, Manuel; Pérez-Plaza, Sonia María

Índice de impacto (ISI):

Índice de impacto (SCImago):

Cuartil (SCImago):

Título: Metabolic Syndrome Does Not Improve the Prediction of 5-Year Cardiovascular Disease and Total Mortality Over Standard Risk Markers. Prospective Population Based Study

Revista: Medicine

Año: 2014

Volumen: 93

Número: 27

Página inicial:

Página final:

Autores: Fernandez-Palacin, Fernando

Índice de impacto (ISI): 5.723

Índice de impacto (SCImago): 1,979

Cuartil (SCImago): Q1

Título del capítulo: Spatiotemporal analysis of real-time regional positioning services

Autores del capítulo: Torrecillas, C.; Paez-Jimenez, Raul; Barbero, I; Pérez-Plaza, Sonia María; Fernandez-Palacin, Fernando; Berrocso-Dominguez, Manuel

Título del libro: Proceedings ITISE 2016

Autores del libro:

Página inicial: 678

Página final: 689

Lugar:

Editorial: A Ed. Granada: Copicentro Granada S.L

ISBN: 978-84-16478-93-4

Año: 2016

Título del capítulo: Analysis SPINA network by using FDA

Autores del capítulo: Pérez-Plaza, Sonia María; Fernandez-Palacin, Fernando; Berrocoso-Dominguez, Manuel; Paez-Jimenez, Raul; Rosado, Belén

Título del libro: Proceedings ITISE 2016

Autores del libro:

Página inicial: 701

Página final: 712

Lugar:

Editorial: A Ed. Granada: Copicentro Granada S.L

ISBN: 978-84-16478-93-4

Año: 2016

Título del capítulo: GNSS study time series: linear and nonlinear components

Autores del capítulo: Rosado, Belén; Paez-Jimenez, Raul; Perez-Peña, Alejandro; Pérez-Plaza, Sonia María; Prates-, Gonçalo Nuno Delgado; Fernandez-Ros, Alberto; Garate-Pasquin, Jorge; Fernandez-Palacin, Fernando; Berrocoso-Dominguez, Manuel

Título del libro: Proceedings ITISE 2016

Autores del libro:

Página inicial: 691

Página final: 700

Lugar:

Editorial: A Ed. Granada: Copicentro Granada S.L

ISBN: 978-84-16478-93-4

Año: 2016

A. Marín, L.I. Martínez-Merino, A.M. Rodríguez-Chía, F. Saldanha da Gama.

Multi-period Stochastic Covering Location Problems: modeling framework and solution approach.

European Journal of Operational Research, 68:432-449, 2018.

M. Gaudioso, E. Gorgone, M. Labbé and A.M. Rodríguez-Chía.

Lagrangian relaxation for SVM feature selection.

Computers & Operations Research, 87:137-145, 2017.

L.I. Martínez-Merino, M. Albareda-Sambola, A.M. Rodríguez-Chía.

The probabilistic p -center problem: Planning service for potential customers.

European Journal of Operational Research, 262:509-520, 2017.

S. Benati, J. Puerto, A.M. Rodríguez-Chía.

Clustering data that are graph connected.

European Journal of Operational Research, 261:43-53, 2017.

J. Puerto, A.M. Rodríguez-Chía, A. Tamir.

Revisiting k -sum Optimization.

Mathematical Programming, 165(2):579-604, 2017.

M. Labbé, A. Marín, A.M. Rodríguez-Chía.

Lexicographical order in Integer Programming.

Vietnam Journal of Mathematics, 45:459-476, 2017.

G. Erdogan, G. Laporte, A.M. Rodríguez-Chía.

Exact and Heuristic Algorithms for the Hamiltonian p -Median Problem.

European Journal of Operational Research, 253:280-289, 2016.

J. Puerto, A.B. Ramos, A.M. Rodríguez-Chía, C. Sánchez-Gil.

Ordered median hub location problems with capacity constraints.

Transportation Research Part C, 70:142-156, 2016.

Indicios de calidad: IMPACTO:2.818, TRANSP. SCIENCE & TECHN.:5/32(Q1).

I. Espejo, A. Marín, A.M. Rodríguez-Chía.

Capacitated p -center problem with failure foresight.

European Journal of Operational Research, 247:229-244, 2015.

Indicios de calidad: IMPACTO:2.358, OR&MS:10/81(Q1).

J. Kalcsics, S. Nickel, J. Puerto, A.M. Rodríguez-Chía.

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Indicios de calidad: IMPACTO:0.830, COMP. SC., HARD. & ARCH.:26/50(Q3).

J. Puerto, A.M. Rodríguez-Chía, A. Tamir.

An overview of OR³-OR for young researchers and practitioners.

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Indicios de calidad: IMPACTO:1.103, OR&MS:35/79(Q2).

J. Kalcsics, S. Nickel, M. Pozo, J. Puerto, A.M. Rodríguez-Chía.

The multi-criteria p-facility median location problem on networks.

European Journal of Operational Research, 235:484-493, 2014.

Indicios de calidad: IMPACTO:2.358, OR&MS:10/81(Q1).

J. Puerto, A. Ramos, A.M. Rodríguez-Chía.

A specialized branch & bound & cut for single-allocation

ordered median hub location problems. Discrete Applied Mathematics, 161:2624-2646, 2013.

Indicios de calidad: IMPACTO:0.677, MATH. APPLIED:146/251(Q3).

A. Corberán, I. Plana, A.M. Rodríguez-Chía, J.M. Sanchis.

A branch-and-cut algorithm for the maximum benefit Chinese postman problem. Mathematical Programming, 141:21-48, 2013.

Indicios de calidad: IMPACTO:1.984, MATH. APPLIED:18/251(Q1).

C. Valero, A.M. Rodríguez-Chía, I. Espejo.

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Robust mean absolute deviation problems on networks
with linear vertex weights.

Networks, 61(1):76-85, 2013.

Indicios de calidad: IMPACTO:0.991, OR&MS:55/79(Q3),
C.SC.;H&A 31/50(Q3).

E. Fernández, J. Puerto, A.M. Rodríguez-Chía.

On discrete optimization with ordering.

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Indicios de calidad: IMPACTO:1.103, OR&MS:35/79(Q2).

A.M. Rodríguez-Chía, C. Valero.

On the global convergence of a generalized iterative procedure for the minisum location problem with ℓ_p distances for $p > 2$.

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Francisco Ortega Gallego, María Victoria Redondo Neble,

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SEMA SIMAI. Springer Series, 2016. ISBN: 2199-3041.

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Autores: J. Puerto, A.M. Rodríguez-Chía.

M. Arana, Nondominated solutions in a fully fuzzy linear programming problem, *Mathematical Methods in the Applied Sciences* (2018). DOI: 10.1002/mma.4882 .

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M. Arana, R. Cambini, A. Rufián (2015), Conic efficiency and duality in nondifferentiable multiobjective mathematical programming, *Journal of Nonlinear and Convex Analysis* 16, 2507-2520.

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M. Arana, A. Burgos. *Optimalidad en programación matemática multiobjetivo : Software*. Universidad de Cádiz, Servicio de Publicaciones (2014). ISBN: 978-84-9828-478-2.

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Sordo, M.A., Suárez-Llorens, A., Bello, A.J. Comparison of conditional distributions in portfolios of dependent risks (2015) *Insurance: Mathematics and Economics*, 61, pp. 62-69. Cited 8 times.

Sordo, M.A., de Souza, M.C., Suárez-Llorens, A. A new variability order based on tail-heaviness (2015) *Statistics*, 49 (5), pp. 1042-1061. Cited 2 times.

Arias-Nicolás, J.P., Martín, J., Ruggeri, F., Suárez-Llorens, A. A robust Bayesian approach to an optimal replacement policy for gas pipelines (2015) *Entropy*, 17 (6), pp. 3656-3678. Cited 2 times.

Pérez-González, M.C.P., Suárez-Llorens, A., Canto, M.B. A regional analysis of employment promotion policies in the different countries of the eurozone and its evolution throughout the economic crisis [Un análisis regional de las políticas activas de empleo en los distintos países de la Zona Euro. Su evolución ante la crisis económica] (2015) *Revista de Economía Mundial*, 2015 (40), art. no. A010, pp. 145-168.

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Navarro, J., Del Águila, Y., Sordo, M.A., Suárez-Llorens, A. Stochastic ordering properties for systems with dependent identically distributed components (2013) *Applied Stochastic Models in Business and Industry*, 29 (3), pp. 264-278. Cited 34 times.

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Autores: Belzunce, F. Pinar, J.F., Ruiz, J.M., Sordo, M.A.

Título: "Comparison of concentration for several families of income distributions".

Revista: *Statistics and Probability Letters* 83, 1036-1045.

Volúmen/Páginas/Editorial/Año: 83, pp.1036-1045. Ed. Elsevier (2013)

Clave: A (ISSN: 0167-7152)

Autores: Navarro, J; del Águila, Y.; Sordo, M. A.; and Suárez-Llorens, A.

Título: "Stochastic ordering properties for systems with dependent identically distributed components"

Revista: Applied Stochastic Models in Business and Industry (ASMB)

Volúmen/Páginas/Editorial/Año: 29 (3), pp. 264-278 Ed. John Wiley & Sons, Ltd. (2013)

Clave: A (ISSN: 1524-1904)

Autores: Navarro, J; del Águila, Y.; Sordo, M. A.; and Suárez-Llorens, A.

Título: "Preservation of reliability classes under the formation of coherent systems"

Revista: o (ASMB)

Volúmen/Páginas/Editorial/Año: In press. Ed. John Wiley & Sons, Ltd. (2013)

Clave: A (ISSN: 1524-1904)

Autores: Sordo, M.A., Sarabia, J.M., Navarro, J.

Título: "Distorted Lorenz Curves: Models and Comparisons".

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Volúmen/Páginas/Editorial/Año: 42, 761-780, Springer (2014)

Clave: A (Print ISSN: 0176-1714)

Autores: Gómez-Déniz, E., Sordo, M.A., Calderín, E.

Título: "The Log-Lindley Distribution as an Alternative to the Beta Regression Model with Applications in Insurance"

Revista: INSURANCE: MATHEMATICS AND ECONOMICS (IME)

Volúmen/Páginas/Editorial/Año: 54, 49-57. Ed. Elsevier (2014)

Clave: A (ISSN: 0167-6687)

Autores: Sordo, M.A., Souza, M., Suárez-Llorens, A.

Título: "A new variability order based on tail heaviness".

Revista: STATISTICS: A JOURNAL OF THEORETICAL AND APPLIED STATISTICS

Volúmen/Páginas/Editorial/Año: 49, 1042-1061, Ed. Taylor & Francis (2015)

Clave: A (ISSN: 0233-1888)

Autores: Sordo, M.A., Ramos, C.D., Berihuete A.

Título: "Bienestar, desigualdad y pobreza en Andalucía: un estudio comparativo con el resto de España a partir de las Encuestas de Condiciones de Vida 2006 y 2012"

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Volúmen/Páginas/Editorial/Año: Vol 71, completo, Ed. Fundación Pública Andaluza Centro de Estudios Andaluces, 2014

Clave: A (ISSN: 1699-8294)

Autores: Sordo, M.A., Suárez-Llorens, A., Bello, A. J.

Título: "Comparison of conditional distributions in portfolios of dependent risks"

Revista: INSURANCE: MATHEMATICS AND ECONOMICS (IME)

Volúmen/Páginas/Editorial/Año: 61, 62-69. Ed. Elsevier (2015)

Clave: A (ISSN: 0167-6687)

Autores: Navarro, J., Del Águila, Sordo, M.A., Suárez-Llorens, A.

Título: "Preservation of stochastic orders under the formation of generalized distorted distributions. Applications to coherent systems."

Revista: METHODOLOGY AND COMPUTING IN APPLIED PROBABILITY

Volúmen/Páginas/Editorial/Año: 18, 529-545 Ed. Springer (2016)

Clave: A (ISSN: 1387-5841)

Autores: Belzunce, F., Martínez-Riquelme, C., Ruiz, J.M., Sordo, M.A.

Título: "On sufficient conditions for the comparison in the excess wealth order and spacings".

Revista: JOURNAL OF APPLIED PROBABILITY Volúmen/Páginas/Editorial/Año: 53, 33-46. Ed. Applied Probability Trust (2016)

Clave: A (ISSN: 0021-9002)

Autores: Belzunce, F., Martínez-Riquelme, C., Ruiz, J.M., Sordo, M.A.

Título: "On the comparisons of relative spacings with applications".

Revista: METHODOLOGY AND COMPUTING IN APPLIED PROBABILITY

Volúmen/Páginas/Editorial/Año: 19, 357-376, Ed. Elsevier (2017)

Clave: A (ISSN: 1387-5841)

Autores: Sordo, M.A.

Título: "A multivariate extension of the increasing convex order to compare risks".

Revista: INSURANCE: MATHEMATICS AND ECONOMICS (IME)

Volúmen/Páginas/Editorial/Año: 68, 224-230. Ed. Elsevier (2016)

Clave: A (ISSN: 0167-6687)

Autores: Sordo, M.A., Souza, M., Suárez-Llorens, A.

Título: "Testing variability orderings by using Gini's mean differences"

Revista: STATISTICS: STATISTICAL METHODOLOGY

Volúmen/Páginas/Editorial/Año: 32, 63-76, Ed. Elsevier (2016)

Clave: A (ISSN: 1572-3127)

Autores: Sordo, M.A., Castaño, A., Pigueiras, G.

Título: "A family of premium principles based on mixtures of TVaRs"

Revista: STATISTICS: INSURANCE : MATHEMATICS AND ECONOMICS (IME)

Volúmen/Páginas/Editorial/Año: 70, 397-405. Ed. Elsevier (2016)

Clave: A (ISSN: 0167-6687)

Autores: Sordo, M.A., Psarrakos, G.

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