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Scientific Activity of David Casado

Working Papers
Refereed Published Papers
Code
Refereed Posters and Talks
Scientific Projects
Other Works

Curriculum Vitae 

Working Papers

Authors: [Alonso, Andrés-M.](#), [David Casado](#), [Sara López-Pintado](#) and [Juan-J. Romo](#) (2008)

Title: **A Functional Data Based Method for Time Series Classification**

Institution, Library or Journal: [Departamento de Estadística. Universidad Carlos III de Madrid](#)

Web: <http://www.Casado-D.org/edu/publications.html#Papers>

Code: <http://www.Casado-D.org/edu/publications.html#Code>



Refereed Published Papers

Authors: [Alonso, Andrés-M.](#), [David Casado](#) and [Juan-J. Romo](#) (2012)

Title: **Supervised classification for functional data: A weighted distance approach**

Journal: *Computational Statistics and Data Analysis*. 56 (7) 2334-46.

Web: <http://www.sciencedirect.com/science/article/pii/S0167947312000333>

Code: <http://www.Casado-D.org/edu/publications.html#Code>

Working Paper: Authors: [Alonso, Andrés-M.](#), [David Casado](#) and [Juan-J. Romo](#) (2009) Title: **Classification of Functional Data: A Weighted Distance Approach** Institution or Library: [Universidad Carlos III de Madrid, Departamento de Estadística](#)

Authors: [Andreu Alibés](#), [Edward R. Morrissey](#), [Andrés Cañada](#), [Oscar Rueda](#), [David Casado](#), [Patricio Yankilevich](#), [Antonie de Weck](#), [Ramón Díaz-Uriarte](#) (2007)

Title: **Asterias: a parallelized web-based suite for the analysis of expression and aCGH data**

Journal: *Cancer Informatics*, vol. 2, 1-9

Web: http://la-press.com/journals.php?pa=home&journal_id=10



Code

Authors: [Alonso, Andrés, and David Casado \(2010\)](#)

Title: [Code of a package implementing the supervised classification of functional data by applying a weighted distance approach](#)

Institution or Library: [Freely distributed](#)

Web: <http://www.Casado-D.org/edu/publications.html#Code>

Authors: [Alonso, Andrés, David Casado and Sara López-Pintado \(2011\)](#)

Title: [Code of the working paper 'A Functional Data Based Method for Time Series Classification'](#)

Institution or Library: [Freely distributed](#)

Web: <http://www.Casado-D.org/edu/publications.html#Code>

Authors: [Various authors \(2004\)](#)

Title: [Collaboration on the code of the online tool 'Asterias: Suite for the analysis of genomic data'](#)

Institution or Library: [\(Spanish\) National Oncological Center, Bioinformatics Unit](#)

Web: <http://asterias.bioinfo.cnio.es/>

Authors: [Various authors \(2004\)](#)

Title: [Collaboration on the code of the online tool 'Finding molecular signatures with survival and censored data'](#)

Institution or Library: [\(Spanish\) National Oncological Center, Bioinformatics Unit](#)

Web: <http://signs.bioinfo.cnio.es/>



Refereed Posters and Talks*

* At which I was the speaker

Authors: [Alonso, Andrés-M., David Casado, Sara López-Pintado y Juan-J. Romo](#)

Title: [Robust Functional Classification for Time Series](#)

Category: [Contributed Talk](#)

Conference: [XXXIII Congreso Nacional de Estadística e Investigación Operativa](#)

Place and Date: [Madrid \(Spain\) - 2012, April 17-20](#)

Authors: [Casado, David \(advisors: Andrés-M. Alonso y Juan-J. Romo\)](#)

Title: [Classification Techniques for Time Series and Functional Data](#)

Category: [Special plenary session](#)

Conference: [Annual meeting of the Classification Society](#)

Place and Date: [Pittsburgh, Pennsylvania \(EEUU\) - 2011, June 16-18](#)

Authors: [Alonso, Andrés-M., David Casado and Juan-J. Romo](#)

Title: **Classification of Functional Data: A Weighted Distance Approach**

Category: **Poster**

Conference: Thirteenth International Conference on Artificial Intelligence and Statistics 2010

Place and Date: Cagliari (Italy) - 2010, May 13-15

Authors: [Alonso, Andrés-M.](#), [David Casado](#), [Sara López-Pintado](#) and [Juan-J. Romo](#)

Title: **A Functional Data Approach for Discrimination of Times Series**

Category: **Contributed Talk**

Conference: International Conference on Computational Statistics 2008

Place and Date: Porto (Portugal) - 2008, August 24-29

Authors: [Alonso, Andrés-M.](#), [David Casado](#), [Sara López-Pintado](#) and [Juan-J. Romo](#)

Title: **Time series classification based on functional data**

Category: **Poster**

Conference: International Workshop on Statistical Modelling 2007

Place and Date: Barcelona (Spain) - 2007, July 2-6

Authors: [Alibés, Andreu](#), [Edward R. Morrissey](#), [Andrés Cañada](#), [Oscar Rueda](#), [David Casado](#), [Patricio Yankilevich](#), [Antonie de Weck](#) and [Ramón Díaz-Uriarte](#)

Title: **Asterias: an example of using R in a web-based bioinformatics suite of tools**

Category: **Poster**

Conference: UseR! 2006 - 2nd user conference

Place and Date: Vienna (Austria) - 2006, June 15-17

Authors: [Alonso, Andrés-M.](#), [David Casado](#), [Sara López-Pintado](#) and [Juan-J. Romo](#)

Title: **Clasificación de series temporales mediante profundidad para datos funcionales**

Category: **Poster**

Conference: XXIX Congreso Nacional de Estadística e Investigación Operativa SEIO 2006

Place and Date: Tenerife (Spain) - 15-19 mayo 2006

Authors: [Casado, David](#) and [Ramón Díaz-Uriarte](#)

Title: **Molecular Signatures from gene expression data: algorithm developed using R**

Category: **Poster**

Conference: UseR! 2004 - 1st user conference

Place and Date: Vienna (Austria) - 2004, May 20-22

Authors: [Alonso, Andrés-M.](#), [David Casado](#), [Sara López-Pintado](#) y [Juan-J. Romo](#) Title: **Time Series Classification**

Category: **Contributed Talk (I was not the speaker)** Conference: Annual meeting of the [Italian Statistical Society](#) Place and Date: Pavia (Italy) - 2011, September 7-9 Authors: [Alonso, Andrés-M.](#), [David Casado](#), [Sara López-Pintado](#) y [Juan-J. Romo](#) Title:

Clasificación de series temporales mediante análisis de datos funcionales: una aplicación en Geología

Category: **Contributed Talk (I was not the speaker)** Conference: XXXII Congreso Nacional de Estadística e Investigación Operativa

Place and Date: La Coruña (Spain) - 2010, September 14-17 Authors: [Alonso, Andrés-M.](#), [David Casado](#), [Sara López-Pintado](#) and [Juan-J. Romo](#) Title: **Classification for time series based on functional depth** Category: **Contributed Talk (I was not the speaker)**

Conference: The 27th Annual International Symposium on Forecasting Place and Date: New York (USA) - 2007, June 24-27



Scientific Projects

Title: **Técnicas no paramétricas y de computación intensiva en Estadística**

Backer Institution(s): [Community of Madrid and Universidad Carlos III de Madrid \(UC3M\)](#)

Involved Institution(s): [Universidad Carlos III de Madrid \(UC3M\)](#)

Duration: [From 01-01-2006 to 31-12-2006](#)

Amount of Funds: [22.000€](#)

Main Researcher: [Juan-José Romo Urroz](#)

Number of Participants:

Title: **Métodos estadísticos avanzados para datos de muy alta dimensión en empresa y economía**

Backer Institution(s): [Spanish Ministry of Education and Science](#)

Involved Institution(s): [Universidad Carlos III de Madrid \(UC3M\)](#)

Duration: [From 31-12-2005 to 30-12-2008](#)

Amount of Funds: [49.266€](#)

Main Researcher: [Juan-José Romo Urroz](#)

Number of Participants:

Title: **Extracción de conocimientos de los *microarrays* de ADN usando métodos estadísticos**

Backer Institution(s): [Spanish Ministry of Education \(MEC\)](#)

Involved Institution(s): [Spanish National Cancer Center \(CNIO\)](#)

Duration: [From 12-2003 to 12-2004](#)

Amount of Funds: [Spanish National Cancer Center \(CNIO\)](#)

Main Researcher: [Ramón Díaz-Uriarte](#)

Number of Participants: 4



Other Works

Authors: [David Casado](#)

Title: **Classification Techniques for Time Series and Functional Data**

Category: [Doctoral thesis \(finalist for the 2011 Classification Society Distinguished Dissertation Award\)](#)

Place and Date: [Universidad Carlos III de Madrid, 2010 July 12](#)

Web: <http://www.Casado-D.org/edu/Casado-Thesis.pdf>

Authors: [David Casado](#)

Title: [Different Materials](#) (practical scripts, solved exercises, theoretical explanations, diagrams, etc)

Category: [Teaching materials](#)

Place and Date: [Freely distributed](#)

Web: <http://www.Casado-D.org/edu/teaching.html>
<http://www.Casado-D.org/edu/docencia.html> (in Spanish)



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└ Department of Statistics and Operational Research II

└ David Casado de Lucas

8th May 2012