

SERAFÍN MORAL CALLEJÓN

Grupo de Investigación: TRATAMIENTO DE INCERTIDUMBRE EN SISTEMAS INTELIGENTES (Cod.: TIC103)

Departamento: Universidad de Granada. Ciencias de la Computación e Inteligencia Artificial

Citas en Google Scholar: <https://scholar.google.es/citations?user=d1Tz-gcAAAAJ&hl=es>

RG: https://www.researchgate.net/profile/Serafin_Moral

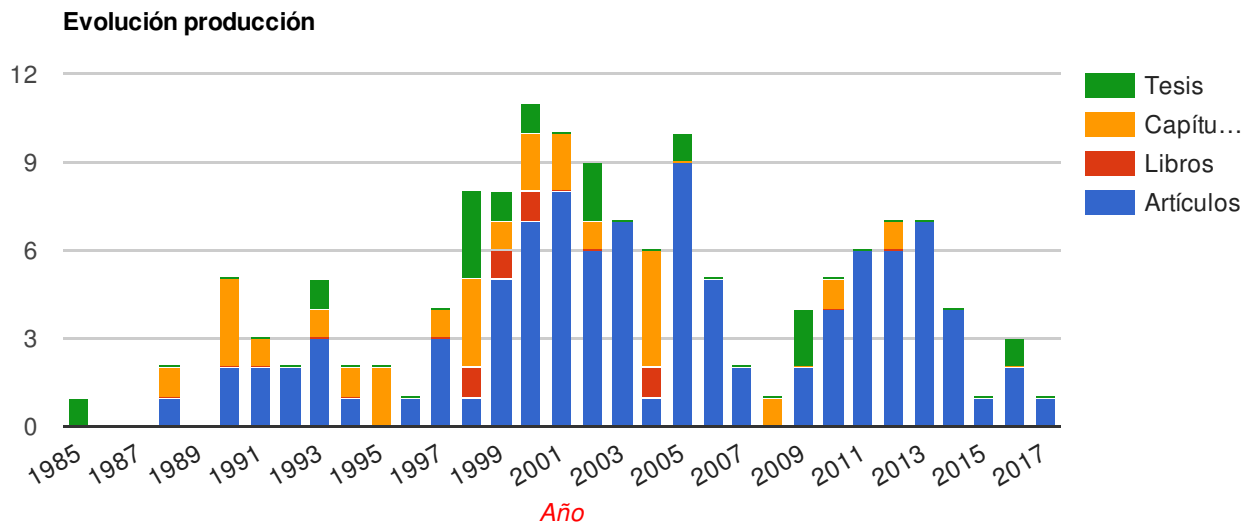
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Ficha del Directorio

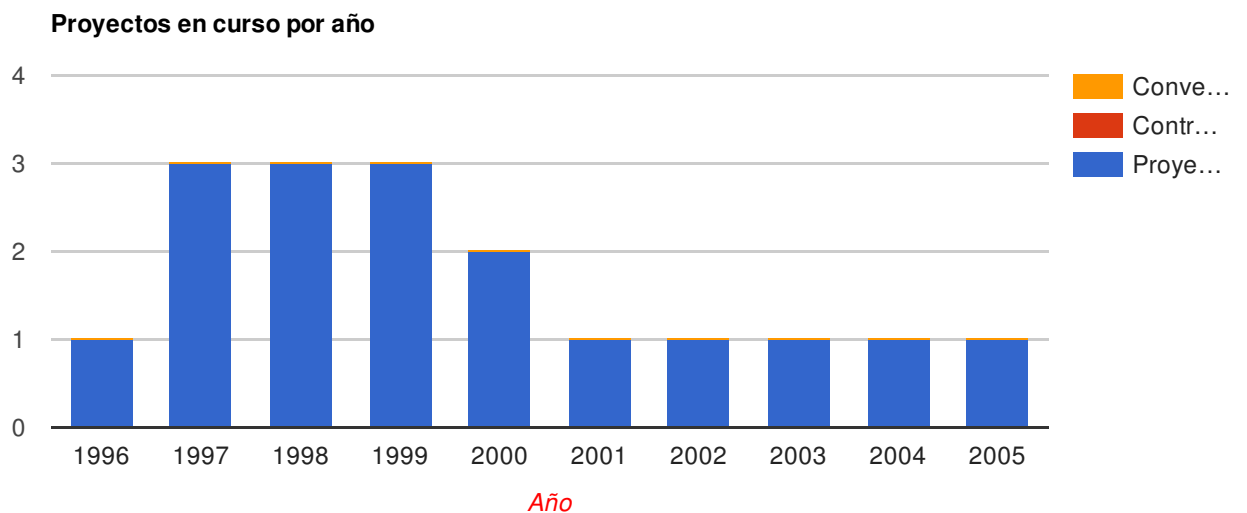
Producción 142

Artículos (99) Libros (4) Capítulos de Libros (26) Tesis dirigidas (13)



Proyectos dirigidos 4

Proyectos (4) Contratos (0) Convenios (0)



Actividades 3

Titulo publicación	Fuente	Tipo	Fecha
Estimating conditional probabilities by mixtures of low order conditional distributions	Lecture notes in computer science	Articulo	2017
A hierarchical clustering method: applications to educational data	Intelligent data analysis	Articulo	2016
Modeling aircrew information management for estimation of situational awareness using dynamic bayesian networks	Simulation modelling practice and theory	Articulo	2016
Modelos gráficos probabilísticos aplicados a la predicción del rendimiento en educación	Etsi informática, universidad de granada	Tesis doctoral	2016
The behavioral meaning of the median	Information sciences	Articulo	2015
Comments on "statistical reasoning with set-valued information: ontic vs. epistemic view" by inés couso and didier dubois	International journal of approximate reasoning	Articulo	2014
Comments on "likelihood-based belief function: justification and some extensions to low-quality data" by thierry denoeux	International journal of approximate reasoning	Articulo	2014
Imprecise probability models for learning multinomial distributions from data. applications to learning credal networks	International journal of approximate reasoning	Articulo	2014
Rejoinder on "imprecise probability models for learning multinomial distributions from data. applications to learning credal networks"	International journal of approximate reasoning	Articulo	2014
Increasing power by using haplotype similarity in a multimarker transmission/disequilibrium test	Journal of bioinformatics and computational biology	Articulo	2013
Inference in bayesian networks with recursive probability trees: data structure definition and operations	International journal of intelligent systems	Articulo	2013
Learning recursive probability trees from data	Lecture notes in computer science	Articulo	2013
Locally averaged bayesian dirichlet metrics for learning the structure and parameters of bayesian networks	International journal of approximate reasoning	Articulo	2013
Locally averaged bayesian dirichlet metrics for learning the structure and the parameters of bayesian networks	International journal of approximate reasoning	Articulo	2013
New skeleton-based approaches for bayesian structure learning of bayesian networks	Applied soft computing	Articulo	2013
New strategies for finding multiplicative decompositions of probability trees	Applied mathematics and computation	Articulo	2013
A bayesian stochastic search method for discovering markov boundaries	Knowledge-based systems	Articulo	2012
A bayesian stochastic search method for discovering markov boundaries using domain/expert knowledge	Knowledge-based systems	Articulo	2012
Determining dependence relations using a new score based on imprecise probabilities	Intelligent data analysis	Articulo	2012
Editorial - imprecise probability	International journal of approximate reasoning	Articulo	2012
Haplotype-based classifiers to predict individual susceptibility to complex diseases. an example for multiple sclerosis	Proceedings of the international conference on bioinformatics models, methods and algorithms	Capítulo de libro	2012
Imprecise probabilities for representing ignorance about a parameter	International journal of approximate reasoning	Articulo	2012

about a parameter	reasoning		
Learning recursive probability trees from probabilistic potentials	International journal of approximate reasoning	Articulo	2012
A memory efficient semi-naive bayes classifier with grouping of cases	Intelligent data analysis	Articulo	2011
A method for integrating expert knowledge when learning bayesian networks from data	IEEE transactions on systems, man, and cybernetics part b: cybernetics	Articulo	2011
Approximate inference in bayesian networks using binary probability trees	International journal of approximate reasoning	Articulo	2011
Locally averaged bayesian dirichlet metrics	Lecture notes in computer science	Articulo	2011
Probabilistic graphical models in artificial intelligence	Applied soft computing	Articulo	2011
Sets of desirable gambles: conditioning, representation, and precise probabilities	International journal of approximate reasoning	Articulo	2011
An importance sampling approach to integrate expert knowledge when learning bayesian networks from data	Lecture notes in computer science	Articulo	2010
Fast factorisation of probability trees and its application to recursive trees learning	Combining soft computing and statistical methods in data analysis	Capítulo de libro	2010
Imprecise probability in statistical inference and decision making	International journal of approximate reasoning	Articulo	2010
Independence concepts in evidence theory	International journal of approximate reasoning	Articulo	2010
Recursive probability trees for bayesian networks	Lecture notes in computer science	Articulo	2010
A bayesian random split to build ensembles of classification trees	Lecture notes in computer science	Articulo	2009
Binary probability trees for bayesian networks inference	Lecture notes in computer science	Articulo	2009
Models of supervised classification. applications to genomics and information retrieval.	Universidad de granada. ciencias de la computación e inteligencia artificial	Tesis doctoral	2009
Tesis docotoral: modelos bayesianos para la clasificación supervisada. aplicaciones al análisis de datos de expresión genética.	Universidad de granada. ciencias de la computación e inteligencia artificial	Tesis doctoral	2009
Use of explanation trees to describe the state space of a probabilistic-based abduction problem	Innovations in bayesian networks	Capítulo de libro	2008
A semi-naive bayes classifier with grouping of cases	Lecture notes in computer science	Articulo	2007
Hill-climbing and branch-and-bound algorithms for exact and approximate inference in credal networks	International journal of approximate reasoning	Articulo	2007
A forward-backward monte carlo method for solving influence diagrams	International journal of approximate reasoning	Articulo	2006
An algorithm to compute the upper entropy for order-2 capacities	International journal of uncertainty, fuzziness and knowledge-based systems	Articulo	2006
Disaggregated total uncertainty measure for credal sets	International journal of general systems	Articulo	2006
Estimating mixtures of truncated exponentials in hybrid bayesian networks	Test	Articulo	2006
Varying parameter in classification based on imprecise probabilities	Advances in soft computing	Articulo	2006
Abductive inference in bayesian networks: finding a partition of the explanation space	Lecture notes in computer science	Articulo	2005
Approximate factorisation of probability trees	Lecture notes in computer science	Articulo	2005
Bayesian networks inference: advanced algorithms	Universidad de castilla la mancha.	Tesis	----

Bayesian networks inference: advanced algorithms for triangulation and partial abduction	Universidad de Granada. ciencias de la informática	Tesis doctoral	2005
Corrigendum: a nonspecificity measure for convex sets of probability distribution	International journal of uncertainty, fuzziness and knowledge-based systems	Articulo	2005
Difference of entropies as a non-specificity function on credal sets	International journal of general systems	Articulo	2005
Dynamic importance sampling in bayesian networks based on probability trees	International journal of approximate reasoning	Articulo	2005
Imprecise probability in graphical models: achievements and challenges	Lecture notes in computer science	Articulo	2005
Methods to determine the branching attribute in bayesian multinets classifiers	Lecture notes in computer science	Articulo	2005
Selective gaussian naive bayes model for diffuse large-b-cell lymphoma classification: some improvements in preprocessing and variable elimination	Lecture notes in computer science	Articulo	2005
Upper entropy of credal sets. applications to credal classification	International journal of approximate reasoning	Articulo	2005
Advances in bayesian networks	Springer	Libros	2004
Algorithms for approximate probability propagation in bayesian networks	Advances in bayesian networks	Capítulo de libro	2004
Partial abductive inference in bayesian networks by using probability trees	Enterprise information systems v	Capítulo de libro	2004
Range of entropy for credal sets	Advances in soft computing	Articulo	2004
Range of entropy for credal sets	Soft methodology and random information systems	Capítulo de libro	2004
Varying parameter in classification based on imprecise probabilities	Soft methodology and random information systems	Capítulo de libro	2004
Approximating conditional mte distributions by means of mixed trees	Lecture notes in computer science	Articulo	2003
Building classification trees using the total uncertainty criterion	International journal of intelligent systems	Articulo	2003
Discussion of statistical and causal inference: a review (by j. pearl)	Test	Articulo	2003
Dynamic importance sampling computation in bayesian networks	Lecture notes in computer science	Articulo	2003
Maximum of entropy for credal sets	International journal of uncertainty, fuzziness and knowledge-based systems	Articulo	2003
Novel strategies to approximate probability trees in penniless propagation	International journal of intelligent systems	Articulo	2003
Qualitative combination of bayesian networks	International journal of intelligent systems	Articulo	2003
Computing probability intervals with simulated annealing and probability trees	Journal of applied non-classical logics	Articulo	2002
Diferentes estrategias para aproximar árboles de probabilidad en propagación penniless	Inteligencia artificial	Articulo	2002
Lazy evaluation in penniless propagation over join trees	Networks	Articulo	2002
Medidas de entropía y distancia en conjuntos convexos de probabilidad: definiciones y aplicaciones	Universidad de granada. ciencias de la computación e inteligencia artificial	Tesis doctoral	2002
Modelos de redes bayesianas con variables discretas y continuas	Universidad de almería.. estadística y matemática aplicada	Tesis doctoral	2002
On the problem of performing exact partial	Technoloaies for constructina intelliaent	Capítulo	

abductive inference in bayesian networks using junction trees	Techniques for constructing intelligent systems ii	Capítulo de libro	2002
Partial abductive inference in bayesian belief networks - an evolutionary computation approach by using problem-specific genetic operators	IEEE transactions on evolutionary computation	Artículo	2002
Strong conditional independence for credal sets	Annals of mathematics and artificial intelligence	Artículo	2002
Using probability trees to compute marginals with imprecise probabilities	International journal of approximate reasoning	Artículo	2002
Accelerating chromosome evaluation for partial abductive inference in bayesian networks by means of explanation set absorption	International journal of approximate reasoning	Artículo	2001
Computing intervals of probabilities with simulated annealing and probability trees	Lecture notes in computer science	Artículo	2001
Fusion: general concepts and characteristics	International journal of intelligent systems	Artículo	2001
Importance sampling in bayesian networks using antithetic variables	Lecture notes in computer science	Artículo	2001
Merging databases: problems and examples	International journal of intelligent systems	Artículo	2001
Mixtures of truncated exponentials in hybrid bayesian networks	Lecture notes in computer science	Artículo	2001
Partial abductive inference in bayesian belief networks by simulated annealing	International journal of approximate reasoning	Artículo	2001
Partial abductive inference in bayesian networks: an empirical comparison between gas and edas	Estimation of distribution algorithms. a new tool for evolutionary computation	Capítulo de libro	2001
Qualitative aggregation of bayesian networks	Data fusion and perception	Capítulo de libro	2001
Simplifying explanations in bayesian belief networks	International journal of uncertainty, fuzziness and knowledge-based systems	Artículo	2001
A non-specificity measure for convex sets of probability distributions	International journal of uncertainty, fuzziness and knowledge-based systems	Artículo	2000
A survey of concepts of independence for imprecise probabilities	Risk decision & policy	Artículo	2000
Algorithms for imprecise probabilities	Handbook of defeasible reasoning and uncertainty management systems. vol. 5: algorithms	Capítulo de libro	2000
Fusion topologica y cuantitativa de redes causales	Universidad de granada. ciencias de la computación e inteligencia artificial	Tesis doctoral	2000
Handbook of defeasible reasoning and uncertainty management systems. vol. 5: algorithms	Kluwer academic publishers	Libros	2000
Importance sampling in bayesian networks using probability trees	Computational statistics	Artículo	2000
Independence in uncertainty theories and its applications to learning belief networks	Abductive reasoning and learning, handbook of defeasible reasoning and uncertainty management systems	Capítulo de libro	2000
Models for imprecise probabilities and partial knowledge (editorial)	International journal of uncertainty, fuzziness and knowledge-based systems	Artículo	2000
Network of probabilities associated with a capacity of order-2	Information sciences	Artículo	2000
Peniless propagation in join trees	International journal of intelligent systems	Artículo	2000
Reasoning with imprecise probabilities	International journal of approximate reasoning	Artículo	2000
A monte carlo algorithm for combining dempster-shafer belief based on approximate pro computation	Symbolic and quantitative approaches to reasoning and uncertainty. lecture notes in	Capítulo de libro	1999

Shafér belief based on approximate pre-computation	artif. intell.	de libro	
A monte carlo algorithm for combining dempster-shafer belief based on approximate pre-computation	Lecture notes in computer science	Articulo	1999
Completing a total uncertainty measure in the dempster-shafer theory	International journal of general systems	Articulo	1999
Partial abductive inference in bayesian belief networks using a genetic algorithm	Pattern recognition letters	Articulo	1999
Proceedings of the first international symposium on imprecise probabilities and their applications	Imprecise probabilities project	Libros	1999
Propagacion aproximada de intervalos de probabilidad en grafos de dependencias	Universidad de granada. ciencias de la computación e inteligencia artificial	Tesis doctoral	1999
Propositional information systems	Journal of logic and computation	Articulo	1999
Upper probabilities based only on the likelihood function	Journal of the royal statistical society. series b: statistical methodology	Articulo	1999
A monte carlo algorithm for probabilistic propagation in belief networks based on importance sampling and stratified simulation techniques	International journal of approximate reasoning	Articulo	1998
Aggregation of imprecise probabilities	Aggregation and fusion of imperfect information	Capítulo de libro	1998
Belief change rules in ordinal and numerical uncertainty theories	Handbook defeasible reasoning and uncertainty management systems. vol 3: belief change	Capítulo de libro	1998
Inferencia abductiva en redes causales	Universidad de granada. ciencias de la computación e inteligencia artificial	Tesis doctoral	1998
Modelos graficos para probabilidades imprecisas	Sistemas expertos probabilisticos, coleccion ciencia y tecnica	Capítulo de libro	1998
Precomputacion en grafos de dependencias mediante algoritmos aproximados	Universidad de granada. ciencias de la computación e inteligencia artificial	Tesis doctoral	1998
Representacion y combinacion de la informacion con incertidumbre mediante convexos de probabilidades	Universidad de granada. ciencias de la computación e inteligencia artificial	Tesis doctoral	1998
Uncertainty in artificial intelligence. proceedings of the fourteenth conference	Morgan kaufmann publishers	Libros	1998
A semantics for possibility theory based on likelihoods	Journal of mathematical analysis and applications	Articulo	1997
Aggregating imprecise probabilities	Aggregation of evidence under fuzziness	Capítulo de libro	1997
Mixing exact and importance sampling propagation algorithms in dependence graphs	International journal of intelligent systems	Articulo	1997
Removing partial inconsistency in valuation-based systems	International journal of intelligent systems	Articulo	1997
Importance sampling algorithms for the propagation of probabilities in belief networks	International journal of approximate reasoning	Articulo	1996
Heuristic algorithms for the triangulation of graphs	Lecture notes in computer sciences 945	Capítulo de libro	1995
Uncertainty management using probability intervals	Lecture notes in computer sciences 945	Capítulo de libro	1995
Calculus with linguistic probabilities and beliefs	Advances in the dempster ¿shafer theory of evidence	Capítulo de libro	1994
Probability intervals: a tool for uncertain reasoning	International journal of uncertainty, fuzziness and knowledge-based systems	Articulo	1994
An axiomatic framework for propagating uncertainty in directed acyclic networks	International journal of approximate reasoning	Articulo	1993

in directed acyclic networks	reasoning		
Learning rules for a fuzzy inference model	Fuzzy sets and systems	Artículo	1993
Propagacion de probabilidades inferiores y superiores en grafos	Universidad de granada. ciencias de la computación e inteligencia artificial	Tesis doctoral	1993
Propagation of convex sets of probabilities in directed acyclic networks	Elsevier scienc publisher bv	Artículo	1993
Propagation of convex sets of probabilities in directed acyclic networks	Uncertainty in intelligent systems	Capítulo de libro	1993
Partial inconsistency of probability envelopes	Fuzzy sets and systems	Artículo	1992
Propagating uncertain information forward	International journal of intelligent systems	Artículo	1992
A unified approach to define fuzzy integrals	Fuzzy sets and systems	Artículo	1991
Propagation of uncertainty in dependence graphs	Lecture notes in computer science	Artículo	1991
Updating uncertain information	Lecture notes in computer science 521	Capítulo de libro	1991
Distances between fuzzy measures through associated probabilities. some applications	Fuzzy sets and systems	Artículo	1990
Fuzzy measures with different levels of granularity	Progress in fuzzy sets and systems	Capítulo de libro	1990
The concept of conditional fuzzy measure	International journal of intelligent systems	Artículo	1990
Transforming fuzzy measures	Approximate reasoning tools for artificial intelligence. j.l. verdegay y m. delgado (eds.). verlag tuv rheinland, isr series, no. 96 (1990)	Capítulo de libro	1990
Upper and lower probabilities	Systems analysis and computer science	Capítulo de libro	1990
Logical connectives for combining fuzzy measures	Methodologies for intelligent systems 3	Capítulo de libro	1988
Una visión unificada de los operadores en la teoría de la evidencia	Stochastica revista de matemática pura y aplicada	Artículo	1988
Modelos de decision con informacion general	Universidad de granada. ciencias de la computación e inteligencia artificial	Tesis doctoral	1985

	Título proyecto	Tipo	Inicio	Fin
1	Aplicaciones de elvira al análisis de datos de expresión genética usando modelos gráficos probabilísticos	Proyecto	12/28/01	6/28/05
2	Entorno para el desarrollo de modelos gráficos probabilísticos	Proyecto	8/1/97	7/31/00
3	Entorno para el desarrollo de modelos graficos probabilísticos	Proyecto	8/1/97	7/31/00
4	Fusion wg (fusion of uncertain data from sensors, information systems and expert opinion)	Proyecto	5/1/96	5/1/99

Actividades 3

Título actividad	Fuente	Tipo	Fecha
Participación en comité de revista: international journal of uncertainty, fuzziness and knowledge-based systems		Comités científicos de revista	Jun 1, 1996
Participación en comité de revista: journal of artificial intelligence research		Comités científicos de revista	Apr 1, 2004
Participación en comité de revista: international journal of approximate reasoning		Comités científicos de revista	May 1, 2005

Colaboradores

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- **LUIS MIGUEL DE CAMPOS IBAÑEZ (23)**
- **JOAQUÍN ABELLÁN MULERO (17)**
- **MANUEL GÓMEZ OLMEDO (13)**
- **MARIA TERESA LAMATA JIMENEZ (8)**
- **JUAN FRANCISCO VERDEGAY LÓPEZ (4)**
- **JUAN FRANCISCO HUETE GUADIX (3)**
- **ENRIC TRILLAS RUIZ (2)**
- **Francisco Javier García Castellano (2)**
- **JOSE LUIS VERDEGAY GALDEANO (2)**
- **MIGUEL DELGADO CALVO-FLORES (2)**
- **María del Mar Abad Grau (2)**
- **NURIA MEDINA MEDINA (2)**
- **JUAN MANUEL FERNÁNDEZ LUNA (1)**
- **OSCAR CORDÓN GARCÍA (1)**
- **ROSA ANA MONTES SOLDADO (1)**