



**CURRICULUM VITAE (CVA)**

**IMPORTANT – The Curriculum Vitae cannot exceed 4 pages. Instructions to fill this document are available in the website.**

**Part A. PERSONAL INFORMATION**

CV date

05/12/2021

First name	José Antonio		
Family name	Troyano Jiménez		

(\*) Mandatory

**A.1. Current position**

Position	Profesor Titular de Universidad (Associate Professor)		
Initial date	28/09/2000		
Institution	University of Seville		
Department/Center	Lenguajes y Sistemas Informáticos	ETS Ingeniería Informática	
Country	Spain		
Key words	Natural Language Processing, Machine Learning, Social Network Analysis		

**A.2. Previous positions (research activity interruptions, art. 14.2.b))**

Period	Position/Institution/Country/Interruption cause
xxxx-xxxx	
yyyy-yyyy	

**A.3. Education**

PhD, Licensed, Graduate	University/Country	Year
Licenciatura en Informática (Computer Science Engineer)	University of Seville / Spain	1991
Doctorado en Informática (Ph.D. in Computer Science)	University of Seville / Spain	1998

**Part B. CV SUMMARY** (max. 5000 characters, including spaces)

Degree in Computer Science from Seville University with the prize for the best file in the 1989 academic year. PhD in Computer Science, by Seville University with extraordinary prize granted by the University.

I was Assistant Professor at the Department of Languages and Computer Systems of Seville University from 1991 to 2000, and I am currently Lecturer at the same department since 2000. During these periods, I have supervised more than 110 bachelor's and master's theses.



My research lines are focused mainly on machine learning, natural language processing and user-generated content analysis. I am the leader of the research group "TIC134 - Sistemas Informáticos", recognized by the Junta de Andalucía's Group Consolidation Grants program.

Author of 20 publications in journals indexed in JCR, 10 of them in first quartile journals (Q1) and 6 of them in second quartile journals (Q2). I have received a total of 932 citations to my papers according to Google Scholar, and my H index is 16 also according to Google Scholar. My RG-score is 23.28, according to ResearchGate. I am a member of SEPLN (Spanish Society for Natural Language Processing) and I participate in the program committee of their journal. I have participated in 18 research projects, being lead researcher in 3 of them. I have two six-year periods of quality research activity (sexenios) evaluated positively by CNEAI (National Committee for the Assessment of Research Activity), from 2007 to 2012, and from 2013 to 2018.

I have supervised 8 doctoral theses.

- Técnicas de aprendizaje automático para la predicción de tráfico marítimo en el contexto de toma de decisiones de ámbito empresarial (2021)
- Aportaciones del Análisis de Redes Sociales al Aprendizaje Colaborativo en el Contexto de los Campus Virtuales (2017)
- Propuestas para la reutilización en el Desarrollo de Interfaces de Usuario Basado en Modelos (2016)
- Análisis de Contenidos Generados por Usuarios mediante la Integración de Información Estructurada y No Estructurada (2015)
- Detection of Dishonest Behaviours in On-line Networks Using Graph-based Ranking Techniques (2012)
- Selección de instancias y atributos en conjuntos de datos mediante algoritmos sobre grafos (2012)
- Combinación de Sistemas mediante Aprendizaje Automático en Tareas de Procesamiento de Lenguaje Natural (2011)
- Extracción de Opiniones sobre Características: Un Enfoque Práctico Adaptable al Dominio (2011)

All of these theses received the best possible rating (Sobresaliente Cum Laude), and two of them were awarded the annual prize for the best doctoral thesis, at national level, by the Spanish Society for Natural Language Processing.

## **Part C. RELEVANT MERITS** (sorted by typology)

### **C.1. Publications** (see instructions)

1. JCR-Q1: Carlos G. Vallejo, José A. Troyano, Fernando Enríquez, F. Javier Ortega, Fermín L. Cruz. 2020. MCFS: Min-cut-based feature-selection. Knowledge-Based Systems. ISSN 0950-7051. DOI: <https://doi.org/10.1016/j.knosys.2020.105604>
2. JCR-Q1: Enríquez, Fernando; Troyano, José A.; Romero-Moreno; Luisa M. 2019. Using a Business Process Management tool to model Dynamic Teaching Methods. Journal of Strategic Information Systems. 28(3): 275-291. DOI: <https://doi.org/10.1016/j.jsis.2018.07.002>
3. JCR-Q1: Enríquez, Fernando; Troyano, José A.; López-Solaz, Tomás. An approach to the use of word embeddings in an opinion classification task. 2016. Expert Systems with Applications. 66: 1-6. DOI: <https://doi.org/10.1016/j.eswa.2016.09.005>
4. JCR-Q1: Cotelo Moya, Juan Manuel; Cruz-Mata, Fermin; Enríquez De Salamanca-Ros, Fernando; Troyano-Jiménez, José A. 2016. Tweet Categorization by combining Content and Structural Knowledge. Information Fusion. 31: 54-64. DOI: <https://doi.org/10.1016/j.inffus.2016.01.002>
5. JCR-Q1: Cotelo, Juan Manuel; Cruz-Mata, Fermin; Troyano-Jiménez, José A.; Ortega-Rodríguez, Francisco Javier. 2015. A modular approach for lexical normalization applied to



- Spanish tweets. Expert Systems with Applications. 42 - 10, pp. 4743 - 4754. DOI: <https://doi.org/10.1016/j.eswa.2015.02.003>
6. JCR-Q1: Franco-salvador, Marc Cruz-Mata, Fermin; Troyano, José A.; Rosso, Paolo. 2015. Cross-domain polarity classification using a knowledge-enhanced meta-classifier. Knowledge-Based Systems. 86, pp. 46 - 56. DOI: <https://doi.org/10.1016/j.knosys.2015.05.020>
  7. JCR-Q1: Cruz-Mata, Fermin; Troyano-Jiménez, José A.; Pontes-Balanza, Beatriz; Ortega-Rodríguez, Francisco Javier. 2014. Building layered, multilingual sentiment lexicons at synset and lemma levels. Expert Systems with Applications. 41: 5984-5994. DOI: <https://doi.org/10.1016/j.eswa.2014.04.005>
  8. JCR-Q1: Cotelo, Juan M.; Cruz, Fermin L.; Troyano, José A. 2014. Dynamic Topic-Related Tweet Retrieval. Journal of the Assoc. for Inf. Science and Technology. 65-3, pp. 513-523. DOI: <https://doi.org/10.1002/asi.22991>
  9. JCR-Q1: Cruz-Mata, Fermin; Troyano-Jiménez, José A.; Enriquez De Salamanca-Ros, Fernando; Ortega-Rodríguez, Francisco Javier; García-Vallejo, Carlos A. 2013. 'Long autonomy or long delay?' The importance of domain in opinion mining. Expert Systems with Applications. 40 - 8, pp. 3174 - 3184. DOI: <https://doi.org/10.1016/j.eswa.2012.12.031>
  10. JCR-Q1: Enriquez De Salamanca-Ros, Fernando; Cruz-Mata, Fermin; Ortega-Rodríguez, Francisco Javier; García-Vallejo, Carlos A.; Troyano-Jiménez, José A. 2013. A Comparative Study of Classifier Combination Applied to NLP Tasks. Information Fusion. 14: 255-267. DOI: <https://doi.org/10.1016/j.inffus.2012.05.001>

### C.3. Research projects

#### Research projects directed by me

1. Explorando la Generación de Contenido Online Por El Usuario y Su Influencia Predictiva en la Calidad Relacional. Aplicación al Sector Hotelero de Andalucía.
  - Reference: US-1380960
  - Principal Investigator 1: Manuel Jesús Sánchez Franco (Universidad de Sevilla)
  - Principal Investigator 2: José Antonio Troyano Jiménez
  - Funding institution: Consejería de Transformación Económica, Industria, Conocimiento y Universidades, Junta de Andalucía.
  - Funding call: Proyectos de I+D+i en el marco del Programa Operativo FEDER 2014-2020
  - Funded amount: 40.243€
  - Start date: 01-01-2021
  - End date: 31-12-2022
2. ACOGEUS. Análisis de Contenidos GGenerados por USuarios
  - Reference: TIN2012-38536-C03-02
  - Principal Investigator: José Antonio Troyano Jiménez
  - Funding institution: Ministerio de Economía y Competitividad
  - Funding call: Plan Nacional del 2012
  - Funded amount: 26.863€
  - Start date: 01-01-2013
  - End date: 31-12-2015
3. AORESCU. Análisis de Opinión en REdes Sociales y Contenidos generados por Usuarios
  - Reference: P11-TIC-7684
  - Principal Investigator: José Antonio Troyano Jiménez
  - Funding institution: Consejería de Innovación, Ciencia y Empresas, Junta de Andalucía
  - Funding call: Proyectos de Excelencia de la Junta de Andalucía 2012
  - Funded amount: 151.685€
  - Start date: 26-03-2013
  - End date: 25-03-2016
4. DOCUS. Destilado de Opiniones desde Contenidos generados por Usuarios
  - Reference: TIN2011-14726-E
  - Principal Investigator: José Antonio Troyano Jiménez

- Funding institution: Ministerio de Ciencia e Innovación
- Funding call: Plan Nacional del 2011. Acciones Complementarias
- Cuantía: 42.000€
- Start date: 01-07-2011
- End date: 31-12-2014

#### **C.4. Contracts, technological or transfer merits**

##### **Contracts**

1. Minería de Opiniones para Textos sobre Automóviles
  - Company: Itelligent Information Technologies S.L.
  - Principal Investigator: José A. Troyano Jiménez, Fermín Cruz Mata
  - Start date: 05-04-2017
  - End date: 05-04-2019
  - Amount: 5.088€
2. Minería de Textos y Análisis de Redes Sociales II
  - Company: Itelligent Information Technologies S.L.
  - Principal Investigator: José A. Troyano Jiménez
  - Start date: 01-04-2015
  - End date: 01-04-2017
  - Amount: 13.510 euros
3. Minería de Textos y Análisis de Redes Sociales
  - Company: Itelligent Information Technologies S.L.
  - Principal Investigator: José A. Troyano Jiménez
  - Start date: 01-04-2013
  - End date: 01-04-2015
  - Amount: 25.680 euros

##### **Software patents**

1. PolaritySpam: Software para la detección no supervisada de spam en la web. Ortega Rodríguez, Francisco Javier; Cruz Mata, Fermin; Enriquez de Salamanca Ros, Fernando; García Vallejo, Carlos A.; Troyano Jiménez, José A. 2017
2. PolarityTrust: Software para el cálculo de la reputación de usuarios en redes sociales Ortega Rodríguez, Francisco Javier; Cruz Mata, Fermin; Enriquez de Salamanca Ros, Fernando; García Vallejo, Carlos A.; Troyano Jiménez, José A. 2017