

Table of Contents

	Page
Application of Condorcet’s Jury Theorem for Enhancing Sentiment Analysis Performance Using BERT Transformers: A Case Study for Spanish	5
<i>Gerardo Bárcena-Ruiz, Richard de Jesús Gil-Herrera</i>	
Digital Nudges within Recommendation Systems for Improving Eating Behavior towards Healthier Options: State of the Art	15
<i>Judith Mayte Flores-Pérez, Richard de Jesús Gil-Herrera</i>	
Classification of Zika and Dengue Clinical Data Using Feature Encoding and Machine Learning Techniques	25
<i>Elí Cruz-Parada, Guillermina Vivar-Estudillo, Eduardo Pérez-Campos, Carlos Lastre-Domínguez</i>	
Transfer Learning: Shallow and Deep Neural Models	35
<i>Diego Uribe, Enrique Cuan, Elisa Urquizo</i>	
Development of an Autonomous Navigation and Manipulation Robot for Obstacle-Rich Environments	49
<i>Andrea M. Salcedo-Vázquez, José A. León-Navarro, Hortencia A. Ramírez-Vázquez, José G. Buenaventura-Carreón, Fernando Antunez-Arnold</i>	
Enhancing Music Genre Classification Using Tonnetz and Active Learning.....	63
<i>Omar Velázquez-López, José Luis Oropeza-Rodríguez, Gibran Fuentes-Pineda</i>	
LLAMA Assisted Nutritional Recipe Suggestions: Integrating the Dietary Quality Index for Health Conscious Cooking.....	75
<i>Diego Estrada-Beltrán, Miguel Gonzalez-Mendoza, Raul Monroy-Borja, Gilberto Ochoa-Ruiz, Janet Gutiérrez-Uribe, Astrid Domínguez-Uscanga</i>	
Exploring Class Visualizations for Neural Architecture Search.....	93
<i>Ricardo A. Zavala-Cordero, Alejandro Rosales-Pérez</i>	