

## Table of contents

1. Presentation.....	8
2. Organizing Committee.....	9
3. Scientific Committee .....	10
4. Conference program .....	12
5. Conference Sponsors.....	13
6. Bibliometric analysis.....	14
7. Abstracts.....	17
7.1. New Teaching-Learning Theories and Models in Economics Education.....	17
Didactic model focused on teaching improvement of quantitative economic-business subjects.....	18
Rosario Asián-Chaves, Inmaculada C. Masero-Moreno, David Patiño	
Enhancing teaching innovation through interdisciplinary coordination in business administration and management subjects .....	19
Gema Fernández-Avilés, Lidia Sanchis-Marco, Alfredo Rodríguez, Ángela Celis, José-María Montero, Isidro Hidalgo-Arellano	
“Visual literacy skills” and data analysis in economics studies: beveridge curve analysis with economic data from the FRED® platform.....	21
Miguel Ángel Alonso Neira, Antonio Sánchez Bayón, Daniel José Gallego Morales	
Deconstructing the teaching of economics in a context of reality fiction: from the human-mind master class to the new re-creative technological order .....	23
Hernandez-Carrion, Jose-Rodolfo	
The approach of university micro-credentials as a teaching innovation strategy to promote key competencies .....	25
Ana M. López, Milagros Dones, Eugenio Luque	
Interdisciplinary and cross-disciplinary. A practical application in economics .....	27
M <sup>a</sup> Jesús Arroyo Fernández, M <sup>a</sup> Carmen García Centeno, Inmaculada Hurtado Ocaña, Pedro Fernández Sánchez	
7.2. Assessment of Student Learning in Economics.....	29
Competency assessment and active methodologies: an application in the economic field .....	30
Sergio Pérez Ruiz, Rosa Belén Castro Núñez, Lidia de Castro Romero, José Javier Marchamalo Martínez, Rosa Santero Sánchez	
NLP Applied to teaching discussion forums: analysis of economic concepts .....	32
José Javier Galán Hernández, Gabriel Marín Diaz, Gonzalo Mariscal	

<b>Adaptive self-assessment through the virtual campus: a tool to improve the teaching-learning process.....</b>	<b>34</b>
<i>Carmen María Carrillo González, Concepción González García, Nina Pallarés Cerdà</i>	
<b>Support for university entrepreneurship in science students.....</b>	<b>36</b>
<i>José Miguel Giner Pérez</i>	
<b>Longitudinal evaluation of motivation and class attendance in the bachelor's degree in business administration and management.....</b>	<b>38</b>
<i>Saby Gianna Romero Medina, Roberto Santos García, Elisabet Gómez González, Ana Belén Quirós Guzmán</i>	
<b>7.3. Sustainable Development Goals. Sustainability in Economics Teaching .....</b>	<b>40</b>
<b>Sustainability reports in the classroom.....</b>	<b>41</b>
<i>Irene Martín Rubio, Elcio Mendonça Tachizawa, Thais Rangel</i>	
<b>Training in sustainability and ODS through service learning. A teaching innovation project .....</b>	<b>42</b>
<i>Juan Francisco Velasco Muñoz, Belén López Felices, Isabel María Román Sánchez, José Ángel Aznar Sánchez, Ernesto Mesa Vázquez</i>	
<b>The study of the sustainable development goals (SDGS) in university education.....</b>	<b>44</b>
<i>Filippo Di Pietro, Teresa Duarte, Rosario Gómez-Álvarez, Víctor Hernández, David Patiño, Juan José Plaza, Cristina Prieto, Carmen Rodríguez</i>	
<b>Agenda 2030 and sustainable learning: access to justice as an instrument of guarantee in the face of the social inequalities of globalisation .....</b>	<b>46</b>
<i>Adán Carrizo González-Castell, Selena Tierno Barrios</i>	
<b>A proposal for the reduction of inequalities through words .....</b>	<b>48</b>
<i>Marcos Antón Renart, Esther Ortiz Martínez, Salvador Marín Hernández</i>	
<b>Does the flipped classroom improve learning about sustainable finance?.....</b>	<b>50</b>
<i>Carmen González Velasco, Isabel Feito Ruiz, Pilar Sierra Fernández, Francisco José Sáez Trujillo, Fiorela Anaí Fernández Otoya, Elena Otero Arpón</i>	
<b>Climate change and emission rights: teaching experience using artificial intelligence tools.....</b>	<b>52</b>
<i>Juan Cristóbal Campoy Miñarro</i>	
<b>Transformative education for sustainable development: an innovative approach for youth .....</b>	<b>54</b>
<i>Manuel González de la Rosa, Itahisa Pérez Pérez, Daniel Dorta Afonso, Laura Romero Domínguez</i>	
<b>Educational innovation and sustainability: university strategies for the implementation of the Canary Agenda 2030.....</b>	<b>56</b>
<i>Manuel González de la Rosa, Joaquín Sicilia Rodríguez, Daniel Dorta Afonso, Laura Romero Domínguez</i>	
<b>The sustainable development goals at the university: transmission and involvement of students at UCLM .....</b>	<b>58</b>
<i>Isidro Peña García-Pardo, Rosa María Muñoz Castellanos, Silvia María Andrade Mancebo</i>	

<b>7.4. Technology and Innovation in Economics Teaching .....</b>	<b>60</b>
<b>Preparing future professionals: the importance of integrating artificial intelligence into university education.....</b>	<b>61</b>
<i>Ana León-Gómez, María del Carmen Valls Martínez, José Manuel Santos-Jaén,         Virginia Llorente-Muñoz</i>	
<b>Application of accounting and financial knowledge on mobile devices.....</b>	<b>63</b>
<i>Natalia Alonso Morales, Pedro Gil García, Arturo Haro de Rosario,         Alejandro Sáez Martín, Laura Saraite Sariene</i>	
<b>Generative artificial intelligence in education: risks and opportunities .....</b>	<b>65</b>
<i>Cortes Vázquez Madrigal, Noelia García Rubio, Ángela Triguero Cano</i>	
<b>Technological innovation in economics education: key factors for its acceptance .....</b>	<b>66</b>
<i>Jesús Cáceres Tello, José Javier Galán Hernández</i>	
<b>SADMER: teaching aid system for econometric modeling using R language.....</b>	<b>67</b>
<i>Iñaki Aliende Povedano, Lorenzo Escot Mangas, Alicia Pérez-Alonso</i>	
<b>Data science and teaching innovation. Reality or utopia?.....</b>	<b>69</b>
<i>Consolación Quintana-Rojo, Daniel Rojas-Peña</i>	
<b>University teaching experience in the use of neurotechnology in the classroom .....</b>	<b>71</b>
<i>María de las Mercedes Capobianco Uriarte, Fatine El Ghali Ghorafi,         Gema María Marín Carrillo, Ekaterina Besorabova</i>	
<b>7.5. Methodologies and tools for active learning.....</b>	<b>73</b>
<b>Open science practices in the context of scientific culture .....</b>	<b>74</b>
<i>Noemí Macías Pinto, Allison Salas Prieto, Zulemma Bazurto Blacio,         Fernando José Zambrano Farías</i>	
<b>Flipped classroom methodology in teaching statistics.....</b>	<b>75</b>
<i>Jorge Navarro, Juan Aguarón, Alfredo Altuzarra, María Teresa Escobar,         María Victoria Muerza, Alberto Turón</i>	
<b>Differences in the satisfaction of mentors and telemachus on the strategies employed in peer-to-peer mentoring of students.....</b>	<b>77</b>
<i>Luis Rubio Andrada, Ignacio González Cañero, María Soledad Celemín Pedroche,         Laura Vidal Serrano, Beatriz Narbona Reina, Carmen Hernando Vivar</i>	
<b>Improving active learning: innovation in statistics education .....</b>	<b>79</b>
<i>Margarita E. Romero-Rodríguez, M. Carolina Rodríguez Donate, Imanol L. Nieto González</i>	
<b>Didactic resources for the implementation of the flipped classroom methodology in the teaching of statistical inference .....</b>	<b>81</b>
<i>Alberto Turón Lanuza, María Asunción Beamonte San Agustín, Pilar Gargallo Valero,         Lina Patricia Maldonado Guaje, Jesús Miguel Álvarez, María Victoria Muerza Marín,         Manuel Juan Salvador Figueras</i>	
<b>Presentation of the video-book: "Introduction to Data Science with R. Unsupervised models" .....</b>	<b>83</b>
<i>Juana M. Alonso Revenga, Aida Calviño Martínez</i>	

<b>Autonomous collaborative learning: topics elaboration and oral exposition .....</b>	<b>85</b>
<i>Rafael Soriano Román, María del Carmen Valls Martínez, Mayra Soledad Grasso, Javier Membrives Salvador</i>	
<b>Video tutorials as a tool for autonomous learning.....</b>	<b>87</b>
<i>María del Carmen Valls Martínez, Elena Isabel Cara Fuentes, Emilia Linares Agüera, Antonio Díaz Restoy</i>	
<b>Fiscal pedagogical initiative: visits to the Valencian Tax Agency by public economics students.....</b>	<b>89</b>
<i>María Ángeles Tortosa Chuliá, Juan Carlos Dalmau Lliso</i>	
<b>7.6. Gamification as teaching methodology .....</b>	<b>91</b>
<b>Gamification, learning and satisfaction: an empirical approach.....</b>	<b>92</b>
<i>Francisco Sánchez-Cubo, José Mondéjar-Jiménez, Juan Antonio Mondéjar-Jiménez</i>	
<b>Strengthening higher education for sustainable development: gamification and SDG 16.....</b>	<b>93</b>
<i>José Manuel Santos Jaén, Ester Gras Gil, María del Rocío Moreno Enguix, Mercedes Palacios Manzano</i>	
<b>Improving pre-university mathematics proficiency for social science students through interactive escape rooms .....</b>	<b>95</b>
<i>Yeray Rodríguez Rincón, Ana Munárriz Iriarte</i>	
<b>Development of practical skills in probability: a teaching innovation project to make applied economics more fun with games of chance.....</b>	<b>97</b>
<i>Ziwei Shu, María Ángeles Medina Sánchez</i>	
<b>Gamification of statistics learning through wooclap .....</b>	<b>99</b>
<i>Victoria Muerza Marín</i>	
<b>Application of a gamification technique to the learning of sustainable finance .....</b>	<b>100</b>
<i>Nuria E. Gómez Gómez, Pilar Grau Carles, Elena Márquez de la Cruz, Ana R. Martínez Cañete, Inés Pérez-Soba Aguilar, Rosa Santero Sánchez</i>	
<b>7.7. Curriculum design .....</b>	<b>102</b>
<b>Countryworking: designing a professionalising master's degree in honduras.....</b>	<b>103</b>
<i>J. Iñaki De la Peña, Rodolfo Geovanny Vasquez Pineda, Eduardo Trigo Martínez</i>	
<b>Attitudes towards statistics in business and economics studies: implications for teaching innovation in undergraduate education .....</b>	<b>105</b>
<i>Ana Karina Alfaro Moreno, Patricia Aranda Cuéllar, Adrián Cabrera Barba, Carmelo García Pérez, Emilia I. Martos Gálvez, Luis Felipe Rivera Galicia, Eva Senra Díaz</i>	
<b>Integrating the analysis of non-financial information reporting in university courses in economics and accounting.....</b>	<b>107</b>
<i>Fatine El Ghali Ghorafi, María de las Mercedes Capobianco Uriarte, Ekaterina Besorabova, María del Pilar Casado Belmonte</i>	
<b>Real Client. A international role play marketing experience as a new teaching content .....</b>	<b>109</b>
<i>Gabriel Ravello Mas, Julián Gabriel Sánchez Sánchez</i>	

<b>How to develop business plans for undergraduate final year projects: strategies for innovative teaching of entrepreneurship skills .....</b>	<b>111</b>
<i>Ana M. López, Milagros Dones</i>	
<b>The project for innovation and improvement of external internships in the Faculty of Social Sciences of Cuenca (University of Castilla-La Mancha) .....</b>	<b>113</b>
<i>Natividad Araque Hontangas</i>	
<b>8. Plenary Conference.....</b>	<b>114</b>
<i>M<sup>a</sup> Luz Congosto</i>	
<b>9. Authors list.....</b>	<b>121</b>