1. Record Nr. UNISA996465489603316

Titolo	Collective Online Platforms for Financial and Environmental Awareness [[electronic resource]] : First International Workshop on the Internet for Financial Collective Awareness and Intelligence, IFIN 2016 and First International Workshop on Internet and Social Media for Environmental Monitoring, ISEM 2016, Florence, Italy, September 12, 2016, Revised Selected Papers / / edited by Anna Satsiou, Georgios Panos, Ioannis Praggidis, Stefanos Vrochidis, Symeon Papadopoulos, Christodoulos Keratidis, Panagiota Syropoulou, Hai-Ying Liu
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-50237-9
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (VIII, 167 p. 66 illus.)
Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 10078
Disciplina	658.84
Soggetti	Application software Information storage and retrieval Database management Artificial intelligence Data mining Algorithms Information Systems Applications (incl. Internet) Information Storage and Retrieval Database Management Artificial Intelligence Data Mining and Knowledge Discovery Algorithm Analysis and Problem Complexity
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Preface -- Contents -- IFIN 2016 -- Part1 -- General Chairs -- Program Committee -- Supported by -- IFIN 2016 Roundtable Discussion -- What Do People Expect from a Financial Awareness Platform? Insights from an Online Survey -- Abstract -- 1 Introduction

-- 2 Literature Review -- 3 The PROFIT Online Survey -- 3.1 Demographic Characteristics -- 3.2 Financial Behavior -- 3.3 Financial Knowledge -- 3.4 Financial Awareness: News, Information Retrieval and Financial Sentiment -- 3.5 Financial Capability: Generic Financial Knowledge and Specific Financial Literacy Training -- 3.6 Technological Literacy and Incentives -- 3.7 Analysis of the Open-Ended Questions -- 4 Conclusions -- Acknowledgements -- References -- A Reputation-Based Incentive Mechanism for a Crowdsourcing Platform for Financial Awareness -- Abstract -- 1 Introduction -- 2 Related Work -- 2.1 Theoretical Background - User Motives and Incentives in CS Platforms -- 2.2 Incentive Mechanisms in CAPS Platforms -- 2.3 Simple Reputation Schemes Used in Commercial CS Platforms Versus Sophisticated Ones Proposed in the Literature, and the PROFIT's Approach -- 3 Design of the System -- 3.1 Objectives of the Platform and Target User Behaviors -- 3.2 Description of Target Users and Investigation of Their Motives -- 3.3 How to Trigger User Motives - Incentive Mechanisms Applied and Designed -- 3.4 Sustain User Engagement -- 3.5 Evaluation of the Incentive Scheme -- 4 Conclusions -- Acknowledgements -- References -- Predicting Euro Stock Markets -- 1 Introduction -- 2 News Media Sentiment and the Stock Market -- 2.1 Lexicon-Based Approaches -- 2.2 Machine Learning Approaches -- 2.3 Hybrid Approaches -- 2.4 Ontology-Based Approaches -- 2.5 Our Approach -- 3 Methodology -- 4 Datasets -- 4.1 Textual Data -- 4.2 Market Data -- 5 Probit Specification -- 5.1 The Model -- 6 Preliminary Results.
6.1 Empirical Results -- 6.2 Oil's Sentiment Predictive Power -- 7 Conclusions -- References -- On the Quality of Annotations with Controlled Vocabularies -- 1 Introduction -- 2 Controlled Vocabularies -- 3 Method -- 3.1 Keywords -- 4 Case Study -- 4.1 Data -- 4.2 Technology Stack -- 4.3 Workflow -- 4.4 Results -- 5 Conclusion -- 6 Future Work -- References -- ISEM 2016 -- Part2 -- General Chairs -- Program Committee -- Supported by -- Compressing Web Geodata for Real-Time Environmental Applications -- 1 Introduction -- 2 Related Work -- 3 Geodata Compression Algorithms -- 3.1 Problem Statement -- 3.2 Pre-Compression Data Encoding -- 3.3 Data Compression -- 4 Experimental Evaluation -- 4.1 Datasets -- 5 Conclusions and Future Work -- References -- Analysis of Public Interest in Environmental Health Information: Fine Tuning Content for Dissemination via Social Media -- Abstract -- 1 Introduction -- 2 Methods -- 2.1 Indicators of Public Interest in Social Media Content -- 2.2 Indicators of Public Engagement with Social Media Content -- 2.3 Identifying and Sharing Content to Engage and Empower an Audience via Social Media -- 2.4 The Pilot Test: A Facebook Page for Citizens' Observatories -- 2.5 The Insights Tool -- 2.6 Classification of Posted Content -- 3 Results -- 3.1 Demographics -- 3.2 When are the COs Facebook Page Followers Online? -- 3.3 Interaction with Mass Media Outlets and Search Engines -- 3.4 Media Types and Their Reach and Engagement Levels -- 3.5 Most Popular Posts and Their Topics -- 4 Discussion -- 5 Conclusions -- Acknowledgments -- References -- Towards Air Quality Estimation Using Collected Multimodal Environmental Data -- 1 Introduction -- 2 Relevant Initiatives -- 3 System Architecture -- 4 Data Sources and Retrieval Techniques -- 4.1 Web-Based Official Sources -- 4.2 Image-Based Data Sources -- 4.3 Hardware-Based Sources.
5 Data Analysis -- 5.1 Web Information Extraction -- 5.2 Sky Detection -- 5.3 Air Quality Estimation -- 6 Data Storage and Indexing -- 7 Conclusions -- References -- ENVI4ALL: Personalised Air Quality Information Based on Open Environmental Data and User-Generated Information -- Abstract -- 1 Introduction -- 2 Previous Work -- 3 The

ENVI4ALL Solution -- 4 The Technology Behind ENVI4ALL -- 4.1 Information Flow -- 4.2 Architecture -- 5 Validation by Real Users -- 6 Conclusions and Further Work -- References -- Author Index.

Sommario/riassunto

This book contains the papers presented at the two CAPS (Collective Awareness Platforms for Sustainability and Social Innovation) workshops, namely the First International Workshop on the Internet for Financial Collective Awareness and Intelligence, IFIN 2016, and the First International Workshop on Internet and Social Media for Environmental Monitoring, ISEM 2016, held in Florence, Italy in September 2016. The two workshops were collocated with the third International Conference on Internet Science, INSCI 2016. The 8 papers presented have been carefully reviewed and selected from 13 submissions. The papers of the two workshops although targeting different goals aim at developing platforms promoting awareness on different but critical sustainability issues. .