1. Record Nr. UNINA9910585593303321

Autore	Bellogin Alejandro
Titolo	Proceedings of the 30th ACM Conference on User Modeling, Adaptation and Personalization / / Alejandro Bellogin, [and four others]
Pubbl/distr/stampa	New York, NY : , : Association for Computing Machinery, , 2022
Descrizione fisica	1 online resource (360 pages)
Collana	ACM Conferences
Disciplina	028.7071
Soggetti	Information retrieval Natural language processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	ACM UMAP - User Modeling, Adaptation and Personalization ? is the premier international conference for researchers and practitioners working on systems that adapt to individual users or to groups of users, and that collect, represent, and model user information. ACM UMAP is sponsored by ACM SIGCHI and SIGWEB, and organized with User Modeling Inc. UMAP is the successor of the biennial User Modeling (UM) and Adaptive Hypermedia and Adaptive Web-based Systems (AH) conferences that were merged in 2009. For the first time in the history of the conference, ACM UMAP 2022 ran in hybrid mode, with the opportunity for speakers and attendees to participate onsite or online, hosted at the University Pompeu Fabra, Spain. The conference runs over 4 days, with the classic tracks that characterize it, spanning from papers, workshops, tutorials, late breaking results, and a Doctoral Consortium. With the help of our Local chairs (Cristian Consonni and Mihnea Tufis,) and Streaming & Broadcasting chairs (Walter Anelli, Lesly Miculicich, Lorena Recalde, and Mete Sertkan) this new format was developed in a manageable way to offer a rich attendance to both online and onsite participants. In addition, this year we are celebrating the 30th anniversary of UMAP. Since no celebration can be done alone, ACM UMAP 2022 is co-located with ACM WebSci 2022 and ACM Hypertext 2022, both happening in Barcelona a few days before the

	conference. To celebrate this anniversary, new topics enriched our main track: "virtual assistants and human-robot interaction" and "research methods and reproducibility." New this year was the fact that the personalized recommender systems track was cross-listed with the ACM Hypertext conference, and the track chairs did an excellent job of coordinating the review processes across the two conferences. Moreover, to mark the 30th anniversary of the UMAP conference, we organized the Theory, Opinion and Reflection track to reflect on qualitative and quantitative analyses while welcoming blue-sky and innovative ideas, with two accepted papers being presented in the conference. ACM UMAP covers a wide variety of research areas where personalization and adaptation may be applied. This includes a number of domains in which researchers are engendering significant innovations based on advances in the areas of user modeling and adaptation, recommender systems, adaptive educational systems, intelligent user interfaces, e-commerce, advertising, digital humanities, social networks, personalized health, entertainment, and many more.

2.

Record Nr.	UNINA9910707272303321
Autore	Hansen Cristi V.
Titolo	Revised shallow and deep water-level and storage-volume changes in the Equus Beds aquifer near Wichita, Kansas, predevelopment to 1993 / / by Cristi V. Hansen, Jennifer L. Lanning-Rush, and Andrew C. Ziegler
Pubbl/distr/stampa	Reston, Virgina : , : U.S. Department of the Interior, U.S. Geological Survey, , 2013
Descrizione fisica	1 online resource (v, 18 pages) : color maps
Collana	Scientific investigations report ; ; 2013-5170
Soggetti	Aquifers - Kansas - Harvey County Aquifers - Kansas - Sedgwick County Aquifer storage recovery - Kansas Water-supply - Kansas - Wichita - Measurement
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed June 6, 2016).
Nota di bibliografia	Includes bibliographical references (pages 16-18).

3. Record Nr. UNINA9910786967903321

Autore	Lauritzen Niels <1964->
Titolo	Undergraduate convexity [[electronic resource]] : from Fourier and Motzkin to Kuhn and Tucker / / Niels Lauritzen
Pubbl/distr/stampa	Singapore, : World Scientific, 2013
ISBN	981-4412-52-X
Descrizione fisica	1 online resource (300 p.)
Disciplina	515.88
Soggetti	Convex domains Algebras, linear
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface; Acknowledgments; Contents; 1. Fourier-Motzkin elimination; 1.1 Linear inequalities; 1.2 Linear optimization using elimination; 1.3 Polyhedra; 1.4 Exercises; 2. Affine subspaces; 2.1 Definition and basics; 2.2 The affine hull; 2.3 Affine subspaces and subspaces; 2.4 Affine independence and the dimension of a subset; 2.5 Exercises; 3. Convex subsets; 3.1 Basics; Minkowski sum, dilation and the polar of a subset; 3.2 The convex hull; 3.3 Faces of convex subsets; Interlude: Integral points in convex subsets; 3.4 Convex cones; The recession cone; Finitely generated cones 3.5 Caratheodory's theorem3.6 The convex hull, simplicial subsets and Bland's rule; Non-cycling; 3.7 Exercises; 4. Polyhedra; 4.1 Faces of polyhedra; 4.2 Extreme points and linear optimization; 4.3 Weyl's theorem; 4.4 Farkas's lemma; 4.5 Three applications of Farkas's lemma; 4.5.1 Markov chains and steady states; 4.5.2 Gordan's theorem; 4.5.3 Duality in linear programming; 4.6 Minkowski's theorem; 4.7 Parametrization of polyhedra; 4.8 Doubly stochastic matrices: The Birkhoff polytope; 4.8.1 Perfect pairings and doubly stochastic matrices; 4.9 Exercises; 5. Computations with polyhedra 5.1 Extreme rays and minimal generators in convex cones5.2 Minimal generators of a polyhedral cone; 5.3 The double description method; 5.3.1 Converting from half space to vertex representation; 5.3.2 Converting from vertex to half space representation; 5.3.3 Computing the convex hull; 5.4 Linear programming and the simplex algorithm;

5.4.1 Two examples of linear programs; 5.4.2 The simplex algorithm in a special case; 5.4.3 The simplex algorithm for polyhedra in general form; 5.4.4 The simplicial hack; 5.4.5 The computational miracle of the simplex tableau; The simplex algorithm
Explaining the steps5.4.6 Computing a vertex in a polyhedron; 5.5 Exercises; 6. Closed convex subsets and separating hyperplanes; 6.1 Closed convex subsets; 6.2 Supporting hyperplanes; 6.3 Separation by hyperplanes; 6.4 Exercises; 7. Convex functions; 7.1 Basics; 7.2 Jensen's inequality; 7.3 Minima of convex functions; 7.4 Convex functions of one variable; 7.5 Differentiable functions of one variable; 7.5.1 The Newton-Raphson method for finding roots; 7.5.2 Critical points and extrema; 7.6 Taylor polynomials; 7.7 Differentiable convex functions; 7.8 Exercises
8. Differentiable functions of several variables8.1 Differentiability; 8.1.1 The Newton-Raphson method for several variables; 8.1.2 Local extrema for functions of several variables; 8.2 The chain rule; 8.3 Lagrange multipliers; The two variable case; The general case and the Lagrangian; 8.4 The arithmetic-geometric inequality revisited; 8.5 Exercises; 9. Convex functions of several variables; 9.1 Subgradients; 9.2 Convexity and the Hessian; 9.3 Positive definite and positive semidefinite matrices; 9.4 Principal minors and definite matrices; 9.5 The positive semidefinite cone
9.6 Reduction of symmetric matrices

Sommario/riassunto

Based on undergraduate teaching to students in computer science, economics and mathematics at Aarhus University, this is an elementary introduction to convex sets and convex functions with emphasis on concrete computations and examples.Starting from linear inequalities and Fourier-Motzkin elimination, the theory is developed by introducing polyhedra, the double description method and the simplex algorithm, closed convex subsets, convex functions of one and several variables ending with a chapter on convex optimization with the Karush-Kuhn-Tucker conditions, duality and an interior point algori