

1. Record Nr.	UNINA9911046597503321
Autore	Morillo Daniel
Titolo	Aprende Modelando : Guía de Aprendizaje, Desde el Problema a la Solución con AMPL
Pubbl/distr/stampa	Bogota : , : Sello Editorial Javeriano, , 2022 ©2022
ISBN	9786287536579
Edizione	[1st ed.]
Descrizione fisica	1 online resource (1284 pages)
Altri autori (Persone)	GaticaGustavo
Disciplina	519.6
Soggetti	Integer programming Mathematical optimization
Lingua di pubblicazione	Spagnolo
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book, 'Aprende Modelando: Programación Lineal Entera-Mixta', serves as a comprehensive guide to learning mixed-integer linear programming (MILP) using AMPL. It is designed to assist readers in understanding and constructing mathematical models for optimization problems that can be formulated through linear programming or MILP. The book introduces problems with increasing levels of complexity and emphasizes a step-by-step approach to model construction, covering problem description, parameter definition, decision variable selection, objective function development, and constraint specification. It includes AMPL code examples and solutions using solvers like CPLEX or Gurobi. This educational resource is intended for students and professionals in operations research, engineering, and data science, aiming to enhance their modeling skills.