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	Titolo	Mastering Clojure data analysis : leverage the power and flexibility of Clojure through this practical guide to data analysis / / Eric Rochester ; cover image by Jarosaw Blaminsky
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	Descrizione fisica	1 online resource (340 p.)
	Collana	Community Experience Distilled
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	Soggetti	Social networks - Mathematical models Geographic information systems - England Application software - Development Electronic books.
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	Nota di contenuto	Cover; Copyright; Credits; About the Author; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1: Network Analysis - The Six Degrees of Kevin Bacon; Analyzing social networks; Getting the data; Understanding graphs; Implementing the graph; Loading the data; Measuring social network graphs; Density; Degrees; Paths; The average path length; Network diameter; Clustering coefficient; Centrality; Degrees of separation; Visualizing the graph; Setting up ClojureScript; A force-directed layout; A hive plot; A pie chart; Summary Chapter 2: GIS Analysis - Mapping Climate ChangeUnderstanding GIS; Mapping the climate change; Downloading and extracting the data; Downloading the files; Extracting the files; Transforming the data - filtering; Rolling averages; Reading the data; Interpolating sample points and generating heat maps using inverse distance weighting (IDW); Working with map projections; Finding a base map; Working with ArcGIS; Summary; Chapter 3: Topic Modeling - Changing Concerns in State of the Union Addresses; Understanding data in State of the Union addresses; Understanding topic modeling

Sommario/riassunto	This book consists of a practical, example-oriented approach that aims to help you learn how to use Clojure for data analysis quickly and efficiently.This book is great for those who have experience with Clojure and who need to use it to perform data analysis. This book will also be hugely beneficial for readers with basic experience in data analysis and statistics.