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Edizione	[1st edition]
Descrizione fisica	1 online resource (278 p.)
Collana	Community Experience Distilled
Disciplina	01.4226
Soggetti	Information visualization AngularJS (Software framework)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover; Copyright; Credits; About the Author; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1: The Magic of SVG, D3.js, and AngularJS; Building a real-time dashboard to visualize server logs; Terminology and definitions; Document Object Model; Vector graphics and Scalable Vector Graphics; Pixel graphics; Understanding Data-Driven Documents; Why do we use D3.js?; The killer feature - data joins; Finding resources; D3.js meets AngularJS; Testable and maintainable components; Custom directives; Custom filters; Custom loading and parsing service A brief overview of visualization tools for the WebJava and Flash; Raphael (JavaScript - SVG/VML); Protovis (JavaScript - SVG); D3.js (JavaScript - HTML/SVG); Canvas API (JavaScript - Canvas); Three.js (JavaScript - WebGL); Summary; Chapter 2: Getting Started with D3.js; Building a simple scatter plot application; Creating an HTML template for D3.js; Selecting and modifying DOM elements; A closer look at Selections; selection.attr(name[, value]); selection.style(name[, value[, priority]]); selection.property(name[, value]); selection.text([value]); selection.append(name) array.reduce(callback [, initialValue])More array manipulation with D3.js; d3.min(array[, accessor]); d3.max(array[, accessor]); d3.sum(array[, accessor]); d3.mean(array[, accessor]); d3.median(array[, accessor]); d3.

shuffle(array); d3.permute(array, indexes); d3.merge(array); d3.range([start,]stop[, step]); d3.zip(array, array, ...); d3.pairs(array); d3.keys(object); d3.values(object); d3.entries(object); Grouping elements with d3.nest; Formatting numbers and dates; Specifying a number format; Types of formatting; Precision; Thousands separator; Width; Zero padding; Currency symbol; Signs
The align propertyThe fill option; Customizing date and time formats; Working with scales; Quantitative scales for continuous data (numbers); scale.domain([numbers]); scale.range([numbers]); scale.clamp([boolean]); scale.nice([count]); scale.ticks([count]); scale.tickFormat(count [,specifier]); Ordinal scales for discrete data (strings); scale.rangePoints(interval [, padding]); scale.rangeBands(interval [, padding [, outerPadding]]); scale.rangeBand(); scale.rangeExtent(); Predefined ordinal color scales; Time scales for time data (date and time); All about axes; Drawing the axis
Adding axes to the scatter chart

Sommario/riassunto

If you are a web developer with experience in AngularJS and want to implement interactive visualizations using D3.js, this book is for you. Knowledge of SVG or D3.js will give you an edge to get the most out of this book.
