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| Αι | utore | Mucchetti Mark |
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| | ota di contenuto | Part I. Building a Warehouse 1. Settling into BigQuery 2. Starting Your Warehouse Project 3. All My Data 4. Managing BigQuery Costs Part II. Filling the Warehouse 5. Loading Data Into the Warehouse 6. Streaming Data Into the Warehouse 7. Dataflow Part III. Using the Warehouse 8. Care and Feeding of Your Warehouse 9. Querying the Warehouse 10. Scheduling Jobs 11. Serverless Functions with GCP 12. Cloud Logging Part IV. Maintaining the Warehouse 13. Advanced BigQuery 14. Data Governance 15. Adapting to Long-Term Change Part V. Reporting On and Visualizing Your Data 16. Reporting 17. Dashboards and Visualization 18. Google Data Studio Part VI. Enhancing Your Data's Potential 19. BigQuery ML 20. Jupyter Notebooks and Public Datasets 21. Conclusion 22. Appendix A: Cloud Shell and Cloud SDK 23. Appendix B: Sample Project Charter. |
| So | ommario/riassunto | Create a data warehouse, complete with reporting and dashboards using Google's BigQuery technology. This book takes you from the basic concepts of data warehousing through the design, build, load, and maintenance phases. You will build capabilities to capture data from the operational environment, and then mine and analyze that data for insight into making your business more successful. You will gain practical knowledge about how to use BigQuery to solve data challenges in your organization. BigQuery is a managed cloud platform from Google that provides enterprise data warehousing and reporting |

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capabilities. Part I of this book shows you how to design and provision a data warehouse in the BigQuery platform. Part II teaches you how to load and stream your operational data into the warehouse to make it ready for analysis and reporting. Parts III and IV cover querying and maintaining, helping you keep your information relevant with other Google Cloud Platform services and advanced BigQuery. Part V takes reporting to the next level by showing you how to create dashboards to provide at-a-glance visual representations of your business situation. Part VI provides an introduction to data science with BigQuery, covering machine learning and Jupyter notebooks. You will: Design a data warehouse for your project or organization Load data from a variety of external and internal sources Integrate other Google Cloud Platform services for more complex workflows Maintain and scale your data warehouse as your organization grows Analyze, report, and create dashboards on the information in the warehouse Become familiar with machine learning techniques using BigQuery ML.