



# Learning QGIS Second Edition

By Anita Graser

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**Learning QGIS Second Edition** By Anita Graser

**Use QGIS to create great maps and perform all the geoprocessing tasks you need**

## About This Book

- Load, visualize, and edit vector and raster data
- Create professional maps and applications to present geospatial data
- A concise guide, packed with detailed real-world examples to get you started with QGIS

## Who This Book Is For

This book is great for users, developers, and consultants who know the basic functions and processes of GIS but want to learn to use QGIS to analyze geospatial data and create rich mapping applications. If you want to take advantage of the wide range of functionalities that QGIS offers, then this is the book for you.

## What You Will Learn

- Install QGIS and get familiar with the user interface
- Load vector and raster data from files, databases, and web services
- Create, visualize, and edit spatial data
- Perform geoprocessing tasks and automate them
- Create advanced cartographic outputs
- Design great print maps
- Expand QGIS using Python

## In Detail

The popularity of open source geographic information systems, and QGIS in particular, has been growing rapidly over the last years. Highly configurable programmable environments are often preferable for those who need to be able to precisely reproduce and distribute their work. QGIS is the best and most user friendly GIS tool in the free and open source software (FOSS) community.

Learning QGIS Second Edition helps you ensure that your project is a success. It ensures that the first impression of your project is a great impression! QGIS is the most preferred open source GIS and a viable alternative to proprietary software, ArcGIS. It runs on Linux, Unix, Mac OSX, Windows and Android, and supports numerous vector, raster, and database formats and functionalities.

This book will introduce you to QGIS 2.6 geospatial data analysis and you'll learn how to build geospatial apps. It allows you to understand, question, interpret, and visualize data in ways that reveal relationships, patterns, and trends in the form of maps. The book starts with installing and configuring QGIS. You will learn to load and visualize existing spatial data and perform common geoprocessing and spatial analysis tasks to automate them. You will then acquire the skills you need to achieve great cartographic output and print maps. Finally, you will extend QGIS by creating your own plugin using Python.



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### Editorial Review

#### About the Author

#### Anita Graser

Anita Graser studied Geomatics at FH Wr. Neustadt, Austria, where she graduated with a Master's degree in 2010. During her studies, she gained hands-on experience in the fields of geomarketing and transportation research. Since 2007, Anita has been working as a geographic information systems (GIS) expert with the Dynamic Transportation Systems group at the Austrian Institute of Technology, where she focuses on analyzing and visualizing spatiotemporal data. Anita is a charter member of OSGeo and PSC member of QGIS. She has been working with GIS since 2005, and writes a popular blog on open source GIS at [www.anitagraser.com](http://www.anitagraser.com).

### Users Review

#### From reader reviews:

##### Peter Pitts:

Book is to be different for each grade. Book for children right up until adult are different content. We all know that that book is very important normally. The book Learning QGIS Second Edition was making you to know about other knowledge and of course you can take more information. It is rather advantages for you. The publication Learning QGIS Second Edition is not only giving you more new information but also to get your friend when you sense bored. You can spend your current spend time to read your e-book. Try to make relationship with the book Learning QGIS Second Edition. You never feel lose out for everything when you read some books.

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