

# Geometric Properties of Vectors

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

Snehalatha Kaliappan  
Prajwal.M

28 November 2018



# Learning Objectives



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- ▶ Show selected features from the attribute table on the map



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- ▶ Show selected features from the **attribute table** on the map
- ▶ Add columns to the **attribute table**



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- ▶ Show selected features from the **attribute** table on the map
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- ▶ **Calculate statistics for the attributes**



# System Requirements



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- ▶ **Ubuntu Linux OS v16.04**



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- ▶ **QGIS v2.18**



# Pre-requisites



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- ▶ **QGIS interface**



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- ▶ **QGIS interface**
- ▶ <https://spoken-tutorial.org>



# Example map to practise



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- ▶ **Download the folder given in the Code files link, located below the player**



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- ▶ Download the folder given in the **Code files** link, located below the player
- ▶ Extract the contents of the downloaded zip file



# Example map to practise

- ▶ Download the folder given in the **Code files** link, located below the player
- ▶ Extract the contents of the downloaded zip file
- ▶ **Locate IND\_rails.shp file in the extracted folder**



# Summary



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- ▶ Show selected features from the **attribute** table on the map
- ▶ Add columns to the **attribute** table
- ▶ Calculate statistics for the **attributes** using **Field Calculator**



# Assignment

- ▶ Use the code file **world\_1.shp** downloaded from the **Code files** link
- ▶ Find the **area** in  $km^2$  for the listed countries



# About the Spoken Tutorial Project

- ▶ Watch the video available at [http://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](http://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- ▶ It summarises the Spoken Tutorial project



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- ▶ It summarises the Spoken Tutorial project
- ▶ If you do not have good bandwidth, you can download and watch it



# Spoken Tutorial Workshops

## The Spoken Tutorial Project Team

- ▶ Conducts workshops using spoken tutorials
- ▶ Gives certificates to those who pass an online test
- ▶ For more details, please write to [contact@spoken-tutorial.org](mailto:contact@spoken-tutorial.org)



# Forum for specific questions

- ▶ Do you have questions in **THIS Spoken Tutorial?**
- ▶ Please visit <http://forums.spoken-tutorial.org>
- ▶ Choose the minute and second where you have the question
- ▶ Explain your question briefly
- ▶ Someone from our team will answer them



# Acknowledgements

- ▶ Spoken Tutorial Project is a part of the Talk to a Teacher project
- ▶ It is supported by the National Mission on Education through ICT, MHRD, Government of India
- ▶ More information on this Mission is available at

<http://spoken-tutorial.org/NMEICT-Intro>

