# Hands-on Tutorial

## Basic information towards Jupyter Notebook, Google Colab

Jupyter Notebook resources: <https://realpython.com/jupyter-notebook-introduction/>

Google Colab: <https://www.tutorialspoint.com/google_colab/what_is_google_colab.htm>

Virtual Machine: <https://www.vmware.com/topics/glossary/content/virtual-machine.html>

## Get familiar with Google Colab (osm2gmns as example)

### 2.1 Find the tutorial document:

<https://github.com/asu-trans-ai-lab/OSM2GMNS/blob/master/osm2gmns_quickstart.ipynb>

### 2.2 You will find *Open in Colab* button, click it.

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Graphical user interface, text, application, email

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## 3 Tutorial: Let's Start with osm2gmns

### 3.1 Install Package

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### 3.2 Download Data

Graphical user interface, text, application

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A picture containing diagram

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### 3.3 Network Consolidation / Modifying

Graphical user interface

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A picture containing graphical user interface

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### 3.4 Export/Save node, link, poi data to your local machine

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