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module 'community' has no attribute 'best_partition' [已解决]_HowieXue的博客-CSDN博客

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问题描述：

python 执行graphs相关算法时，报错提示：

ModuleNotFoundError: No module named 'community'

第一反应猜测是没安装community包，于是就熟悉的操作 **pip install community**安排上了

但是使用中，发现又会报错：

AttributeError: module 'community' has no attribute 'best_partition'

解决办法：

起初以为是community 包的版本问题，后来发现是需要安装**python-luovain** （ 用于社区检测的louvain算法 ）

解决步骤如下：

（安装前要先卸载community）

1. **pip uninstall community**
2. **pip install python-louvain**

```
root@PC-201911051505:~/project/smt/G2SAT# pip uninstall community
Found existing installation: community 1.0.0b1
Uninstalling community-1.0.0b1:
  Would remove:
    /usr/local/lib/python3.6/dist-packages/community-1.0.0b1.dist-info/*
    /usr/local/lib/python3.6/dist-packages/community/*
Proceed (y/n)? y
  Successfully uninstalled community-1.0.0b1
root@PC-201911051505:~/project/smt/G2SAT#
root@PC-201911051505:~/project/smt/G2SAT# pip install python-louvain
Collecting python-louvain
  Downloading python-louvain-0.14.tar.gz (19 kB)
Requirement already satisfied: networkx in /usr/local/lib/python3.6/dist-packages (from python-louvain) (2.4)
Requirement already satisfied: numpy in /usr/local/lib/python3.6/dist-packages (from python-louvain) (1.18.2)
Requirement already satisfied: decorator>=4.3.0 in /usr/local/lib/python3.6/dist-packages (from networkx->python
  (4.4.2)
Building wheels for collected packages: python-louvain
  Building wheel for python-louvain (setup.py) ... done
  Created wheel for python-louvain: filename=python_louvain-0.14-py3-none-any.whl size=9129 sha256=11ea1a986659f
22cbba607386424ef52fe2b94c2a8366beb529ba47
  Stored in directory: /root/.cache/pip/wheels/d5/54/b7/9a703ffb0734ba1cdce4b827b2f07ed05e3108d76b32b9f510
Successfully built python-louvain
Installing collected packages: python-louvain
Successfully installed python-louvain-0.14
```

之后community包就可以正常使用了：

```
root@PC-201911051505:~/project/smt/G2SAT# python eval1/evaluate_graphs.py -s eval1
Successfully read generated file formulas/1_0.cnf
mean/std num. vars: 320.0/0.0
mean/std num. clauses: 2296.0/0.0
mean/std VIG clust.: 0.9888886588666767/0.0
mean/std mod. VIG: 0.10420850039551888/0.0
mean/std mod. LCG: 0.07431690908949172/0.0
mean/std mod. VCG: 0.13881748775177832/0.0
mean/std mod. LCG: 0.14485819827556132/0.0
mean/std var. alpha: 14.8394/0.0
mean/std clause alpha: 10.647/0.0
```