Playing Analytics on GrimoireLab Data

Python scripts to mine GrimoireLab data
about software development

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Querying GrimoireLab enriched indexes
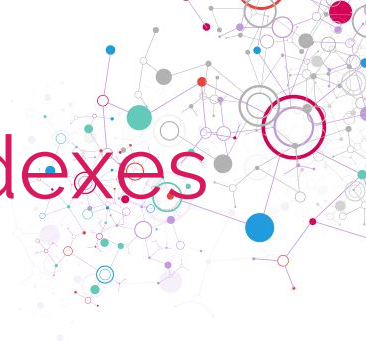
Chapter "Python Scripting"
from the GrimoireLab Tutorial

grimoirelab.gitbooks.io/tutorial

What do you need (1)

A GrimoireLab index

For example (for this seminar):

https://fosdem.biterg.io (Kibiter)

https://fosdem.biterg.io/data (Elasticsearch)
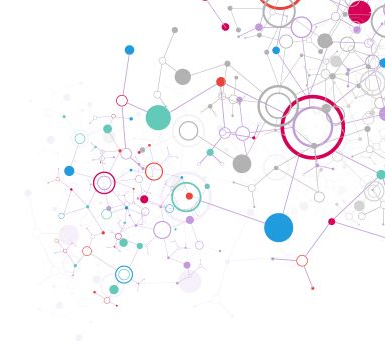
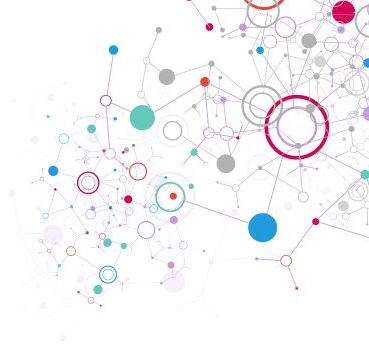# What do you need (2)

A Python virtual environment with the Python module for Elasticsearch

$ python3 -m venv /tmp/es

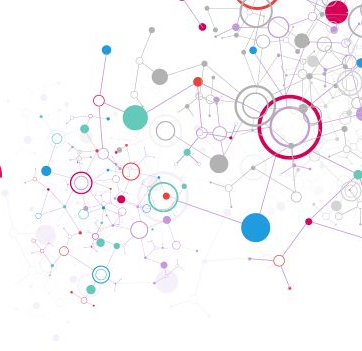$ source /tmp/es/bin/activate

(es) $ pip install elasticsearch-dsl

(es) $ pip install pandas

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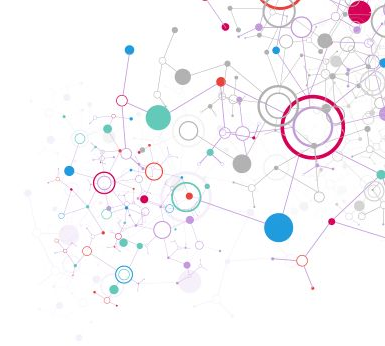# Elasticsearch survival (quick) guide

```
$ curl http://localhost:9200/_cat/indices?v
$ curl -XPOST 'localhost:9200/_aliases?pretty' \
   -H 'Content-Type: application/json' -d \
   '{"actions" : [{ "add" : { "index" : "git_grimoirelab", "alias" :
"git_enriched" } } ] }'
$ curl -XGET 'localhost:9200/git/_search?size=1&pretty'
```

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What to run (1)

(es) $ wget
https://raw.githubusercontent.com/chaoss/grimoirelab-tutorial/
master/python/scripts/enriched_elasticsearch_1.py

(es) $ python enriched_elasticsearch_1.py

What to run (2)

(es) $ wget
https://raw.githubusercontent.com/chaoss/grimoirelab-tutorial/master/python/scripts/pandas_1.py

(es) $ python pandas_1.py