Storing Data

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Basics

```
$ python3 for.py # arrays
$ python3 lists.py
$ python3 diccionarios.py
$ python3 conjuntos.py
```

Ficheros

```
$ python3 write.py
$ python3 list2file.py
$ python3 json-example.py
$ python3 items.py
$ python3 csv-example.py
$ python3 rss-example.py
```

Pandas

```
$ python pandas-example.py
$ python pandas-10min.py
$ python pandas-creating-dataframe-from-arrays.py
$ python pandas-creating-dataframe.py
$ python3 pandas-plot.py
$ python3 jsonpandas.py
```

NetCDF

```
$ python3 netcdf-example.py
$ python3 netcdf-example2.py
$ python3 netcdf-example3.py
$ python3 netcdf-example4.py
```

Pytables

```
$ python3 objecttre.py
```

Databases

```
$ python3 sqlite.py
$ python3 sqlite2.py
$ python3 mongo-tutorial.py
$ python3 mysql-example.py
```

HDF5

```
$ python3 h5_cmprss.py
$ python3 h5_crtgrpar.py
$ python3 h5_crtgrpd.py
$ python3 h5_crtgrp.py
$ python3 h5_rdwt.py
```

Elasticsearch: Introduction

This document is only my personal notes about this software.
Elasticsearch is a highly scalable open-source full-text search and analytics engine. It allows you to store, search, and analyze big volumes of data quickly and in near real time. It is generally used as the underlying engine/technology that powers applications that have complex search features and requirements.

Elasticsearch: Installation

https://www.elastic.co/guide/en/elasticsearch/reference/current/_installation.html

Elasticsearch: Checking

```
http://localhost:9200/
```

Elasticsearch: List indexes

```
http://localhost:9200/_cat/indices
```

Elasticsearch: List indexes in json

```
$ curl 'http://localhost:9200/_cat/indices?pretty' -H "Accept:
```

Elasticsearch: Delete index

```
$ curl -XDELETE localhost:9200/commits
```

Elasticsearch: Show an index

```
$ wget http://localhost:9200/dam-index/
```

Elasticsearch: Searching in an index

```
$ wget -c http://localhost:9200/dam-index/_search
```

Elasticsearch: The cluster state API allows to get a comprehensive state information of the whole cluster.

```
$ wget http://localhost:9200/_cluster/state
```

Elasticsearch: Master

```
http://localhost:9200/_cat/master?v
```

Elasticsearch: Show nodes

```
$ wget -c http://localhost:9200/_cat/nodes?h=ip,port,heapPercer
$ curl http://localhost:9200/_cat/nodes?v
```

Elasticsearch: Show cluster health

```
http://localhost:9200/_cluster/health
```

Elasticsearch: Elasticdump

json to the index

```
$ elasticdump --input=git_openstack_data.json --output=http://l
$ elasticdump --input=git_openstack_mapping.json --output=http:
```

index data to json

```
$ elasticdump  --input=http://production.es.com:9200/my_index -
$ elasticdump  --input=http://production.es.com:9200/my_index -
```

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