

# Reading and Writing CSV

All Versions

## Examples

### Using pandas

Write a CSV file from a dict or a DataFrame .

```
import pandas as pd

d = {'a': (1, 101), 'b': (2, 202), 'c': (3, 303)}
pd.DataFrame.from_dict(d, orient="index")
df.to_csv("data.csv")
```

Read a CSV file as a DataFrame and convert it to a dict :

```
df = pd.read_csv("data.csv")
d = df.to_dict()
```

### Writing a TSV file

#### Python

```
import csv

with open('/tmp/output.tsv', 'wt') as out_file:
    tsv_writer = csv.writer(out_file, delimiter='\t')
    tsv_writer.writerow(['name', 'field'])
    tsv_writer.writerow(['Dijkstra', 'Computer Science'])
    tsv_writer.writerow(['Shelah', 'Math'])
    tsv_writer.writerow(['Aumann', 'Economic Sciences'])
```

#### Output file

```
$ cat /tmp/output.tsv

name      field
Dijkstra  Computer Science
Shelah    Math
Aumann    Economic Sciences
```

## Syntax

## Parameters

## Remarks