

## Installation

CausalInference can be installed using `pip`, and will run provided the necessary dependencies are in place. On Ubuntu systems, the following commands should take care of all the essential steps if you are starting from scratch:

```
$ sudo apt-get update
$ sudo apt-get install python-pip python-numpy python-scipy
$ sudo pip install causalinference
```

## Minimal Example

```
>>> import numpy as np
>>> from causalinference import *
>>> Y = np.random.rand(1000)
>>> D = np.random.randint(0, 2, 1000)
>>> X = np.random.rand(1000, 3)
>>> causal = CausalModel(Y, D, X)
```