

# Ultraquick Demo

Hans Petter Langtangen<sup>1,2</sup>

Center for Biomedical Computing, Simula Research Laboratory<sup>1</sup>

Department of Informatics, University of Oslo<sup>2</sup>

Dec 16, 2014

## Why Python?

Python is better than Matlab and C++ are for those with too much spare time.

Let's add!

$$a + b = c$$

```
a = 2  
b = 3  
c = a + b  
print c
```

# Moving on: breathtaking graphics

Let's plot!

$$f(x) = e^{-x^2}$$

```
from numpy import linspace, exp
from matplotlib.pyplot import plot, show
x = linspace(-4, 4, 101)
y = exp(-x**2)
plot(x, y)
show()
```

