

Python for PhD

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Preface

This is a collection of Python tips to boost your everyday PhD life.

This document is still in preparation. Please feel free to contact me with any suggestions, corrections or comments.

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1 Numpy cheatsheet

```
import numpy as np
```

```
np.arange(start, stop, step)
```

```
np.linspace(start, stop, num_points) - distribution
```

Numpy arrays of random numbers:

```
np.random.rand(rows, cols) - distribution from [0, 1] of size  
(row × col)
```

2 Inputing external code

```
print("Hello world!")
```

3 Scientific computing cheatsheet

3.1 Noise generation

```
numpy.random.normal
```