

Hydroinformatik II - SoSe 2020

BHYWI-08-05 @ 2020: Einführung in Python

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www.ufz.de/cawr

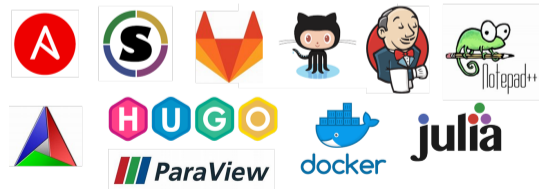
Dresden – 22.05.2020

Agenda vom 17.04.2020 (Wdh.)

- 1 Tools
- 2 Installationen
- 3 Hausaufgabe



- Editor: Notepad++, ...
- Compiler: Qt, ...
- Skripte: Python (Jupyter), ...
- Visualisierung: ParaView, ...



- 1 Python (Installation als Hausaufgabe)
- 2 Übung BHYWI-08-E02: Klausur-Stats
- 3 Übung BHYWI-08-E03: Parabolische PDG

Top 1

Python Installation



The screenshot shows the Python.org website with a dark blue header and navigation menu. The main content area features a large blue banner with the text "Download the latest version for Windows" and a yellow button labeled "Download Python 3.8.3". Below the button, there are links for "Python for Windows, Linux/UNIX, Mac OS X, Other", "Prereleases", and "Docker images". The banner also includes an illustration of two parachutes carrying boxes.

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Looking for Python with a different OS? Python for [Windows](#), [Linux/UNIX](#), [Mac OS X](#), [Other](#)

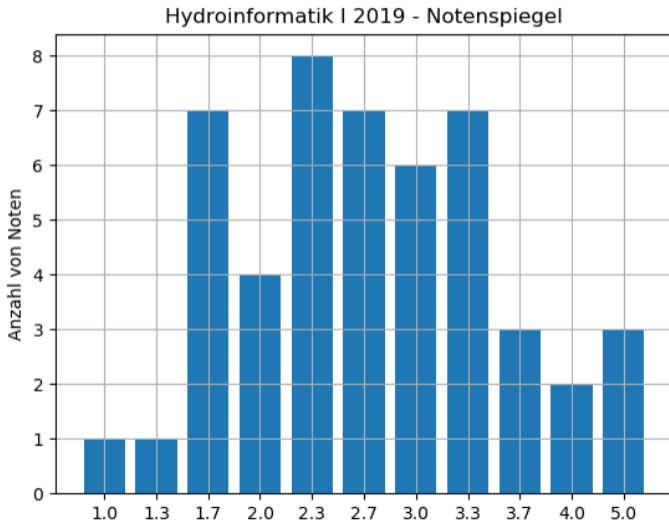
Want to help test development versions of Python? [Prereleases](#), [Docker images](#)

Looking for Python 2.7? See below for specific releases

Top 2

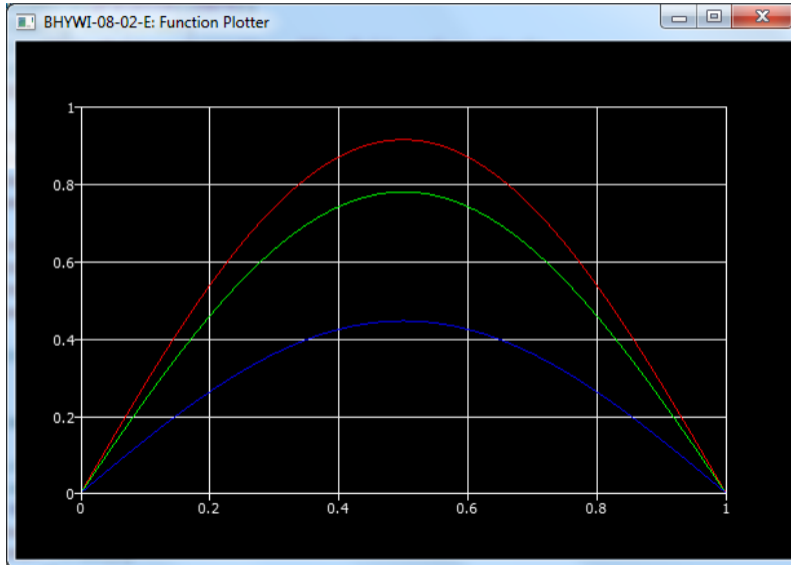
Übung BHYWI-08-E02: Klausur-Stats

```
#import modules
import matplotlib.pyplot as plt
import numpy as np
#data
year = np.arange(11)
grades = [1,1,7,4,8,7,6,7,3,2,3]
#configure plot
fig, ax = plt.subplots()
#axis
ax.set_title('Hydroinformatik I 2019 - Notenspiegel')
ax.set_ylabel('Anzahl von Noten')
#plot
plt.bar(year, publications)
plt.xticks(year, ('1.0', '1.3', '1.7', '2.0', '2.3', '2.7', '3.0', '3.3', ...))
plt.grid(True)
plt.show()
```



Top 3

Übung BHYWI-08-E03: Parabolische PDG



Hydroinformatics II Exercise BHYWI-08-02-for-python

