

```

import numpy as np
from gstools import Gaussian, krige
# conditions and output grid
cond_pos = [0.3, 1.9, 1.1, 3.3, 4.7]
cond_val = [0.47, 0.56, 0.74, 1.47, 1.74]
grid = np.linspace(0, 10, 101)
# kriging setups
model = Gaussian(dim=1, var=0.5, len_scale=2)
cfg = (model, cond_pos, cond_val)
sim_krige = krige.Simple(*cfg, mean=np.mean(cond_val))
ord_krige = krige.Ordinary(*cfg)
uni_krige = krige.Universal(*cfg, drift_functions="lin")
# interpolated fields
sim_field = sim_krige(grid, return_var=False)
ord_field = ord_krige(grid, return_var=False)
uni_field = uni_krige(grid, return_var=False)
# estimated means
sim_mean = sim_krige(grid, only_mean=True)
ord_mean = ord_krige(grid, only_mean=True)
uni_mean = uni_krige(grid, only_mean=True)

```

