

(a) C++ interface

```
1 #include <xtensor/xtensor.hpp>
2 #include <evalhyd/evald.hpp>
3
4 xt::xtensor<double, 2> obs =
5     {{4.7, 4.3, 5.5, 2.7, 4.1}};
6 xt::xtensor<double, 2> prd =
7     {{5.3, 4.2, 5.7, 2.3, 3.1},
8      {4.3, 4.2, 4.7, 4.3, 3.3},
9      {5.3, 5.2, 5.7, 2.3, 3.9}};
10
11 auto res = evalhyd::evald(obs, prd, {"NSE"});
```

(c) R interface

```
1 library(evalhyd)
2
3 obs <- rbind(c(4.7, 4.3, 5.5, 2.7, 4.1))
4 prd <- rbind(c(5.3, 4.2, 5.7, 2.3, 3.1),
5             c(4.3, 4.2, 4.7, 4.3, 3.3),
6             c(5.3, 5.2, 5.7, 2.3, 3.9))
7
8 res <- evalhyd::evald(obs, prd, c("NSE"))
```

(b) Python interface

```
1 import numpy
2 import evalhyd
3
4 obs = numpy.array([[4.7, 4.3, 5.5, 2.7, 4.1]])
5 prd = numpy.array([[5.3, 4.2, 5.7, 2.3, 3.1],
6                   [4.3, 4.2, 4.7, 4.3, 3.3],
7                   [5.3, 5.2, 5.7, 2.3, 3.9]])
8
9 res = evalhyd.evald(obs, prd, ["NSE"])
```

(d) Command line interface

```
1 cat "./obs.csv"
4.7,4.3,5.5,2.7,4.1
2
3 cat "./prd.csv"
5.3,4.2,5.7,2.3,3.1
4.3,4.2,4.7,4.3,3.3
5.3,5.2,5.7,2.3,3.9
4
5 res=$(evalhyd evald "./obs.csv" "./prd.csv" "NSE")
```