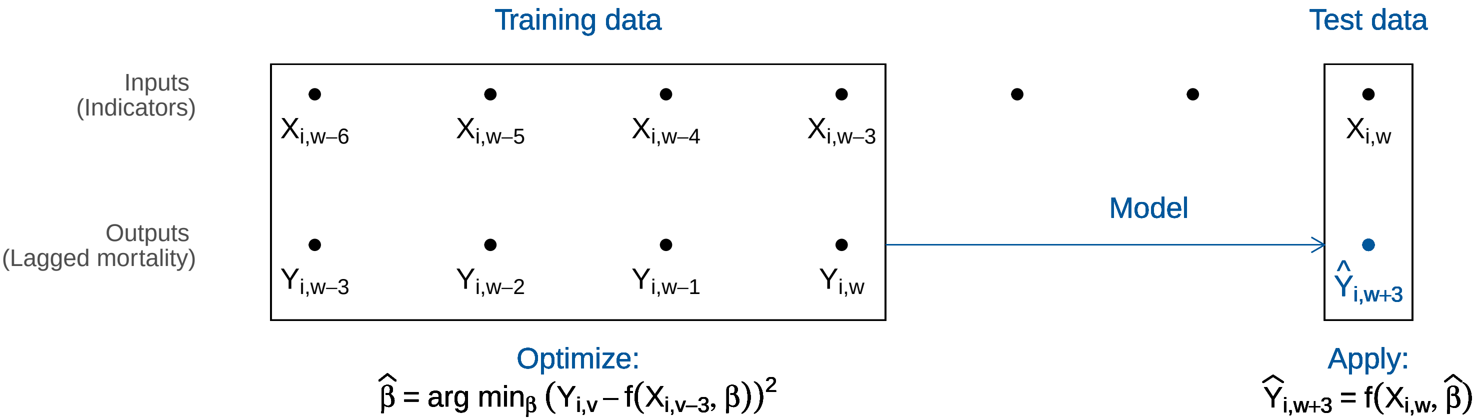

Training data
Test data
Inputs
(Indicators)
Outputs
(Lagged mortality)
$X_{i,w-6}$
$X_{i,w-5}$
$X_{i,w-4}$
$X_{i,w-3}$
$X_{i,w}$
$Y_{i,w-3}$
$Y_{i,w-2}$
$Y_{i,w-1}$
$Y_{i,w}$
Model
$\hat{Y}_{i,w+3}$
Optimize:
$\hat{\beta} = \arg\min_{\beta} (Y_{i,v} - f(X_{i,v-3}, \beta))^2$
Apply:
$\hat{Y}_{i,w+3} = f(X_{i,w}, \hat{\beta})$