```
\begin{split} & \mathsf{CROSS\text{-}VALIDATE}(\mathcal{D}, k) \\ & 1 \quad \text{divide } \mathcal{D} \text{ into } k \text{ chunks } \mathcal{D}_1, \mathcal{D}_2, \dots \mathcal{D}_k \text{ (of roughly equal size)} \\ & 2 \quad \text{for } \mathfrak{i} = 1 \text{ to } k \\ & 3 \qquad \qquad \text{train } h_i \text{ on } \mathcal{D} \setminus \mathcal{D}_i \text{ (withholding chunk } \mathcal{D}_i) \\ & 4 \qquad \qquad \text{compute "test" error } \mathcal{E}_i(h_i) \text{ on withheld data } \mathcal{D}_i \\ & 5 \quad \text{return } \frac{1}{k} \sum_{i=1}^k \mathcal{E}_i(h_i) \end{split}
```