```
P_{p}
p
example.dat;
f:
X \rightarrow
(x_{1}, y_{1}), \dots, (x_{n}, y_{n})
H
h \approx
(C.southwest) +
(-0.5, -0.4)
     (-0.5, -0.4)
     (D.northeast) +
    (1, +0.5)
          flow, below of =
          problem[(data); [block_flow, below of =
          data](preprocess) - ; [block_flow, below of =
          preprocess, nodedistance =
          2.5cm](split), ; [block_flow, below of =
          split, nodedistance =
          3cm](selection);[block<sub>f</sub>low, below of =
          selection](training);[block_flow, left of =
          training, nodedistance =
          3cm](tuning);[block_flow, belowof =
          training](evaluation); [decision, below of =
          evaluation](decide)OK?;[block_flow, right of =
          decide, nodedistance =
          3cm](stop); [line](problem) -
          -(data); [line](data)-
          -(preprocess); [line](preprocess)-
          -(split); [line](split)-
          -(selection); [line](selection)-
          -(training); [line](training)-
          -(evaluation); [line](evaluation)-
          -(decide); [line](decide)-
          -node[anchor =
          south](stop); [line](tuning) -
          -(training); [line](decide)-
(1) Y = PX \begin{cases} east](tuning); \\ PX \end{cases}
          |node[anchor =
    S_X = \frac{1}{n-1} X X^T
   S_Y = \frac{1}{n-1}YY^T = \frac{1}{n-1}(PX)(PX)^T = \frac{1}{n-1}PXX^TP^T = \frac{1}{n-1}P(XX^T)P^T = \frac{1}{n-1}PAP^T
   S_Y = \frac{1}{n-1}PAP^T = \frac{1}{n-1}P(P^TDP)P^T = \frac{1}{n-1}(PP^T)D(PP^T) = \frac{1}{n-1}(PP^{-1})D(PP^{-1}) = \frac{1}{n-1}D(PP^{-1})
y' = \{ y^{\lambda} - 1\lambda\lambda \neq 0 \log y\lambda = 0 \}
```

(i-0.5)