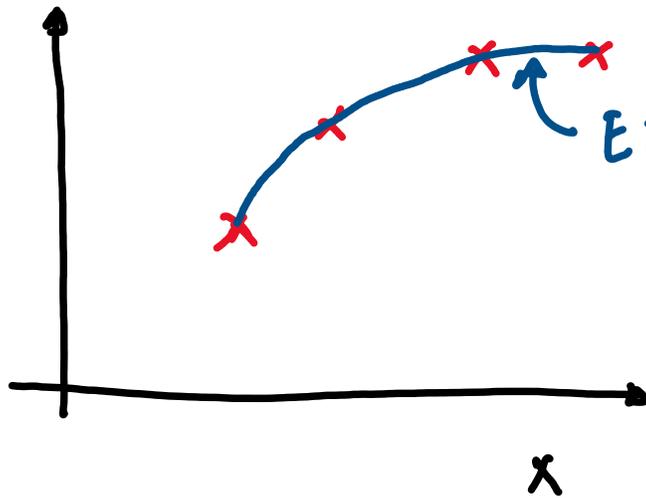


Curve Fitting and Interpolation

Exact fit

$f(x)$

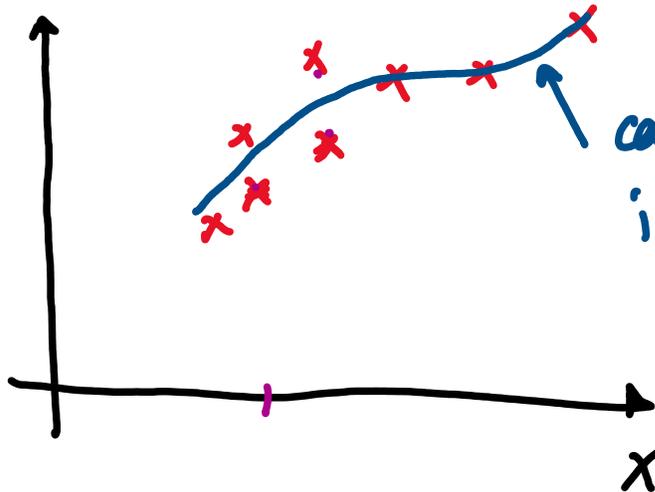


x Data points

Exact fit

In exact fit

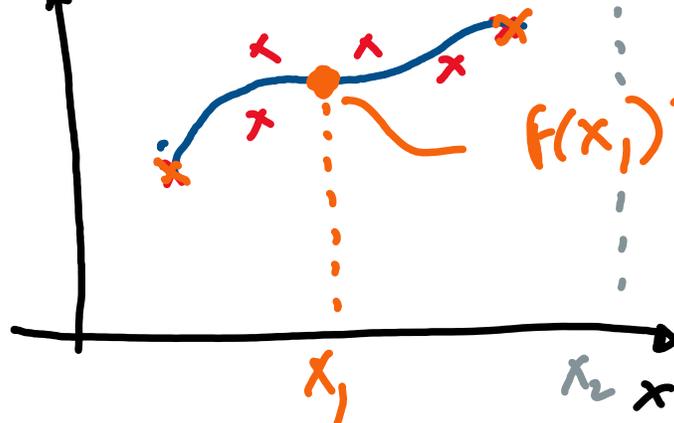
$f(x)$



capture the trend in exact fit

Interpolation / Extrapolation

$f(x)$



$f(x_1) = ?$ Interpolation

$f(x_2) = ?$ Extrapolation