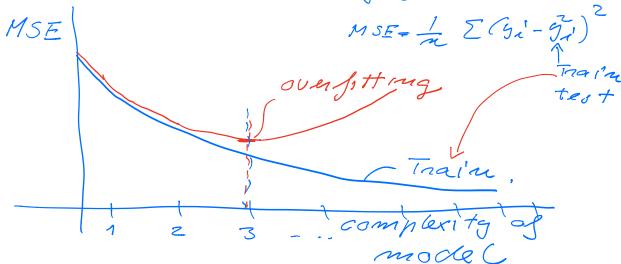
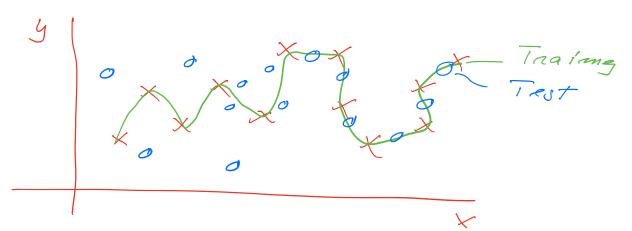
Some Elements from Statistics

- spht in Training and test

- Hove a polynomiac apprex

$$\widetilde{\mathcal{G}}_{i} = \widetilde{\mathcal{G}}(\widehat{\mathbf{r}}_{i}) = \sum_{J=0}^{P-1} P_{J} \chi_{i}^{J}$$





Moments

PDF = pQ

continuous case

$$|E[x^{m}] = \int_{x^{m}} pQ_{0} dx$$

mean value  $\mu = |E[x]|$ 

Discrete pdf.

 $\mu = |E[x]| = \int_{x_{1}} pQ_{1} x_{1}^{m}$ 

$$|E[x^{m}] = \int_{x_{2}} pQ_{1} x_{1}^{m}$$

$$|E[x] = \int_{x_{2}} pQ$$

$$= \int \int dx dy \, p(Rig)(x-\mu_X)(y-\mu_Y)$$

$$= \langle E[xy] - \langle E[x] \rangle E[g]$$

$$= \int \int dx dy \, p(Riy)(x,y)$$

$$- \mu_X \cdot \mu_Y$$

$$if \, x \, and \, g \, ane \, \lambda' \lambda' d$$

$$p(Riy) = p(R) \, p(G)$$

$$\int \int dx \, dy \, p(R) \, p(G)(x,y) = \int dx \, p(R)(x) \, x \, \int dy \, p(G)(x,y) = \int dx \, p(R)(x)(x,y) = \int dx \, p(R)(x,y) = \int dx \, p(R)(x,y)$$

considurce matrix

various a

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\begin{align\*}
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