Math 342 W Lecture 15

g(x)=a,(x,)"+ ...+ qp(xp)", n]1

Liaj's are continuous functions and this g(x) is called a general additive model

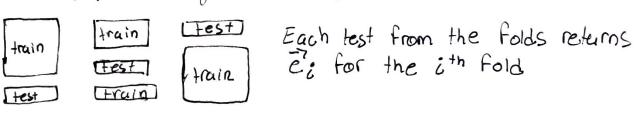
Interaction of features

By interacting features we are able to capture differential slopes of the given features

-> Pretty hard to overfit with a large enough (n)

Validation/ Cross Validation

The goal of these validations is to lower the variance in our metrics, purticularly out of sample error metrics.



$$\vec{e}_{CV} = \begin{bmatrix} \vec{e}_{1}^{7} \\ \vec{e}_{2}^{7} \end{bmatrix} = 7005 \cdot SE = \int_{n}^{\infty} \frac{1}{2} \left((\vec{e}_{1}^{7} - \vec{e})^{2} \right)^{2} = 7 \cdot \int_{n}^{\infty} \frac{1}{2} \left((SE_{R} - SE)^{2} \right)^{2}$$

$$\cos_{r} SE_{n}$$

