as stated in the book, the following equ,

f(X) = \(\infty (Z) + \beta(Z) \times, + ... + \beta_q(Z) \times_q

Can be fit as locally Weighted least Squares e.g.

The key decision here is the choice of Kennel Kn. for example, if Z was time and we wish to model a time series where effect decays into the Past we could constrain this in the Kernel and then fit (*X) as usual. However, for the aorta data in Figure 6.11, we might use the Nadaraya-Watson Kernel with Z representing distance down

the Gorter and again fit (*) as usual.