$$\begin{aligned}
& = f(x) + \xi \\
& = \left[ (f(x_0) - \hat{f}(x_0))^2 \right] \\
& = \left[ (f(x_0) - \hat{f}(x_0))^2 + \xi^2 + 2(f(x_0) - \hat{f}(x_0)) \xi \right] \\
& = \left[ (f(x_0) - \hat{f}(x_0))^2 \right] + \xi^2 + 2(f(x_0) - \hat{f}(x_0)) \xi \right] \\
& = \left[ \left[ (f(x_0) - \hat{f}(x_0))^2 \right] + \xi^2 + \left[ 2 \xi \left[ (f(x_0) - \hat{f}(x_0)) \xi \right] \right] \\
& = \left[ \left[ (f(x_0) - \xi \hat{f}(x_0) + \xi \hat{f}(x_0) - \hat{f}(x_0) \right] + V_{ar} \xi \right] \\
& = \xi \left[ (f(x_0) - \xi \hat{f}(x_0))^2 + (\xi \hat{f}(x_0) - \hat{f}(x_0))^2 + 2(\xi f(x_0) - \xi \hat{f}(x_0)) \right] \\
& = \xi \left[ (f(x_0) - \xi \hat{f}(x_0)) (\xi \hat{f}(x_0) - \hat{f}(x_0)) \right] \\
& = \xi \left[ (f(x_0) - \xi \hat{f}(x_0)) (\xi \hat{f}(x_0) - \xi \hat{f}(x_0)) \right] \\
& = \xi \left[ (f(x_0) - \xi \hat{f}(x_0)) (\xi \hat{f}(x_0) - \xi \hat{f}(x_0)) \right] \\
& = \xi \left[ (f(x_0) - \xi \hat{f}(x_0)) (\xi \hat{f}(x_0) - \xi \hat{f}(x_0)) \right] \\
& = \xi \left[ (f(x_0) - \xi \hat{f}(x_0)) (\xi \hat{f}(x_0) - \xi \hat{f}(x_0)) \right] \\
& = \xi \left[ (f(x_0) - \xi \hat{f}(x_0)) (\xi \hat{f}(x_0) - \xi \hat{f}(x_0)) \right] \\
& = \xi \left[ (f(x_0) - \xi \hat{f}(x_0)) (\xi \hat{f}(x_0) - \xi \hat{f}(x_0)) \right] \\
& = \xi \left[ (f(x_0) - \xi \hat{f}(x_0)) (\xi \hat{f}(x_0) - \xi \hat{f}(x_0)) \right] \\
& = \xi \left[ (f(x_0) - \xi \hat{f}(x_0)) (\xi \hat{f}(x_0) - \xi \hat{f}(x_0)) (\xi \hat{f}(x_0) - \xi \hat{f}(x_0)) \right] \\
& = \xi \left[ (f(x_0) - \xi \hat{f}(x_0)) (\xi \hat{f}(x_0) - \xi \hat{f}(x_0))$$

Flexibility

Variance

Bias

(X1, Ti)

(Xn, Ti)

(Xn, Ti)

(Xn, Ti)

Fordon

Not random

Yi= [f(Xi)]+(Ei)

Not Fondom