SS(mean) is sum of squares around the mean.

SS(mean) = (data – mean)2

Variation around the mean =

Var(mean) =

Variance(something) = = Average sum of squares

R2 = =

For example,

Var(mean) = 11.1, Var(fit) = 4.4

R2 = (11.1 – 4.4)/11.1 = 0.6 = 60%

It means that