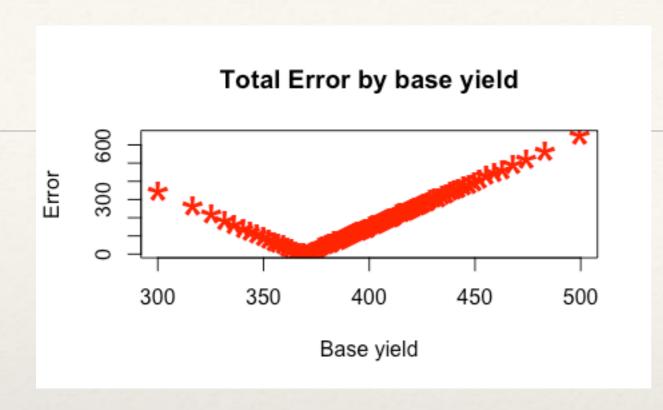
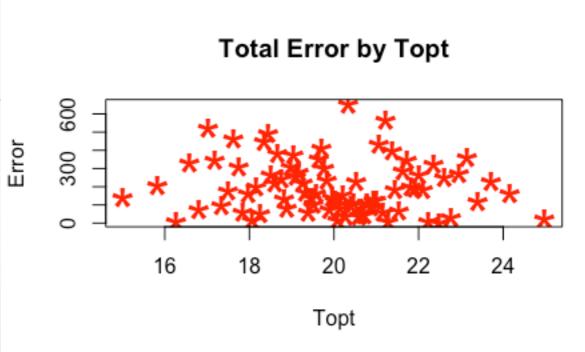
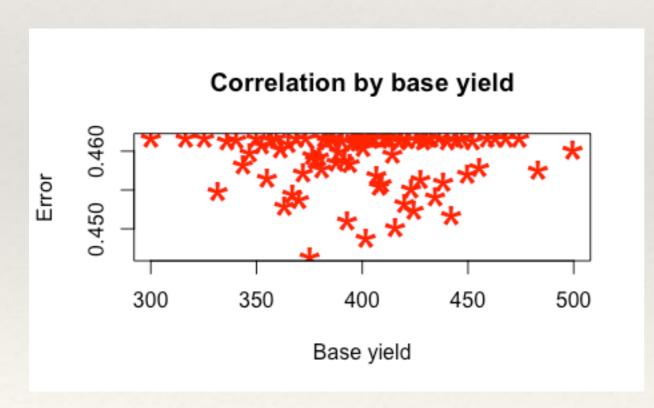
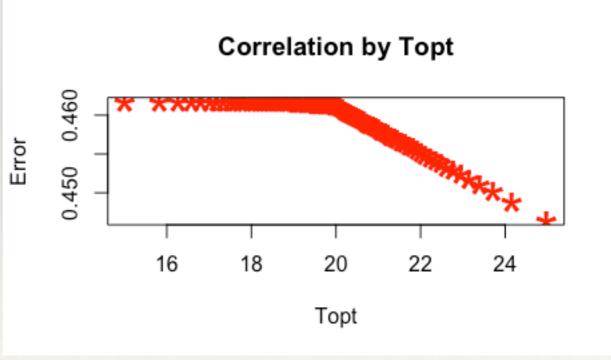
Calibration in R

```
compute annual yield'
#' Function to compute yeild of different fruits as a function of annual temperature and precipitation
  @param T annual temperature (C)
  @param P annual precipitation (mm)
  @param crop.pars - list that contains the following
  @param Topt optimal temperature (C)
#' @param max.water maximum water requirement (mm)
#' @param ts slope on temperature
#' @param tp slope on precipitation
#' @param base.yield baseline yield
                                     (kg)
#' @param irr irrigation in (mm)
#' @return yield in kg
compute_yield = function(T, P, irr, crop.pars) {
with(as.list(crop.pars), {
nyears=length(T)
irr.peryear = rep(irr, times=nyears)
water.input = P+irr.peryear;
yield = ifelse(water.input < max.water,</pre>
        tp*water.input - ts*abs(T-Topt) + base.yield,
        tp*max.water - ts*abs(T-Topt) + base.yield )
yield=pmax(yield,0)
return(yield)
})
```









Note how different metrics help to define different parameters