

plotaci(kwh, temp^-1, 95)
95%: 2856 (3244) 3633

The slope of the line is definitely positive. Upper and lower confidence limits for the slope differ from the calculated value for the slope by less than 12% so we can assume the model is useful. FT $\frac{3}{3}$

-22.97+3244*1/50
41.91

plotaci(kwh, temp^-1, 0.02, 99)
99%: 38.43 (41.92) 45.4

FT

$\frac{3}{3}$

plot(distance, range)

distance

1.6

0.8

0

range

linefit_(distance, range)
 $\delta = 0.1787$ / RSS = 4.242
Fit: distance = $0.1787 * (\text{range})$

It seems logical to assume a straight line through the origin, since a range of zero should mean a perfect bullseye. The scatterplot implies that the variance increases with range, but the linear regression