Does f $= \left[\frac{1}{d_i} + \frac{1}{d_o}\right]^{-1}$? Was our experiment able to show it?

Our Data $\left[\frac{1}{d_i} + \frac{1}{d_o}\right]^{-1}_{\text{average}}$ = _____ ± _____:

|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
15 20 25

|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
15 20 25

Class Data f_{average} = _____ ± _____

Based on the data for our experiment we can say that our lab was [*successful/ unsuccessful***] in showing that f <u>may</u> equal $\left[\frac{1}{d_i} + \frac{1}{d_o}\right]^{-1}$. The error bar of the $\left[\frac{1}{d_i} + \frac{1}{d_o}\right]^{-1}$ [***overlaps/ does not overlap***] the error bar of 'f'. Since the overlap is [***Large/ Small/ Zero***] we can claim that our lab was [***very/ marginally/ not***] successful on showing that experimentally f <u>could</u> equal $\left[\frac{1}{d_i} + \frac{1}{d_o}\right]^{-1}$.**