Simple Lineau Rogressian anth Stats Models

We seek to solve two problems.

Dennear Regression
with uncertainties in

Statsmales the fit pavameters.

A nicer data format

that does not require

That does not require

2 Dennetros, etc.

Step 1: Get the data into a dota structure.

import pandes as Pd

df = pd. Data Frame

[1 5,10,15,...])

2 X data for oah colomn Column labels -> Basiculy, 7+1's croating a big Excel Speal shoot, with column headings . print (df) print (df['x']) refer to a spentiz Colomn.

Slop 3: Fit the data y = Af[y]

X = qt[,x,]X = sm. add-wnstant(X) adl " constant" torm to the fit. y = B, X model = sm. OLS (4, X). fit() Mote order!! "Ordnowy Least Squares" = Basic Linear Rogressia print (modd. summany ()) he best ming ever!!