M358K: December 6th, 2021. Simple Linear Regression. Def'n. Y= B. + B. - x + E is called a simple linear regression model (SLR) Bo... the intercept parameter By... the slope parameter E... the error such that E ~ Normal (mean = 0, var = (02) We have three parameters: B., B, o Goal: Design a recipe to estimate the parameters using the data set:

(x1, y1), (x2, y2),, (x1, y1).