Pheno typic . Statistical Model: Response variable y: obserations of trait of jukest (Methorie, Kelosis)-B Predictor variables: X1, X2,-Xx D Error / Residual: e D Error / Residual: ED function $M\left(X_{1}, X_{2}, \dots, X_{k}\right)$ with $X = \begin{bmatrix} X_{1} \\ X_{2} \\ \vdots \\ X_{k} \end{bmatrix}$ () m (x) · Function m(x) is used to relake the predictor (X) to the response y I The simplest class of relationships between X and y is a linear relationship, for Yi = m(xi) + e; a Example Data set Animal Body Veight Breast Gircunference