Recap 2024-03-18 J Matrix - Vector Wotahian for linear regression In contrast to the scalar notation Yi = bo + bi Xi + ei for animal i Para sel on booky weight and broad circumpence Intercept $y_1 = b_0 + b_1 \cdot x_{11} + c_1$ $\begin{cases} 471 = b_0 + b_1 \cdot 176 + c_1 \\ 463 = b_0 + b_1 \cdot 177 + c_2 \end{cases}$ 10 = 60 + 61. ×100 + C10 541 = 60 + 61. 184162 Matrix - Vector Notation: Define vectors 4, 6, e $y = \begin{bmatrix} y_1 \\ y_{10} \end{bmatrix} = \begin{bmatrix} 471 \\ 463 \\ \hline 541 \end{bmatrix}; b = \begin{bmatrix} b_0 \\ b_1 \end{bmatrix}; e = \begin{bmatrix} e_1 \\ \vdots \\ e_n \end{bmatrix}$ - X= 1 1767; Model: y= X.b+e [1 184] Least Squares Estimate & for b