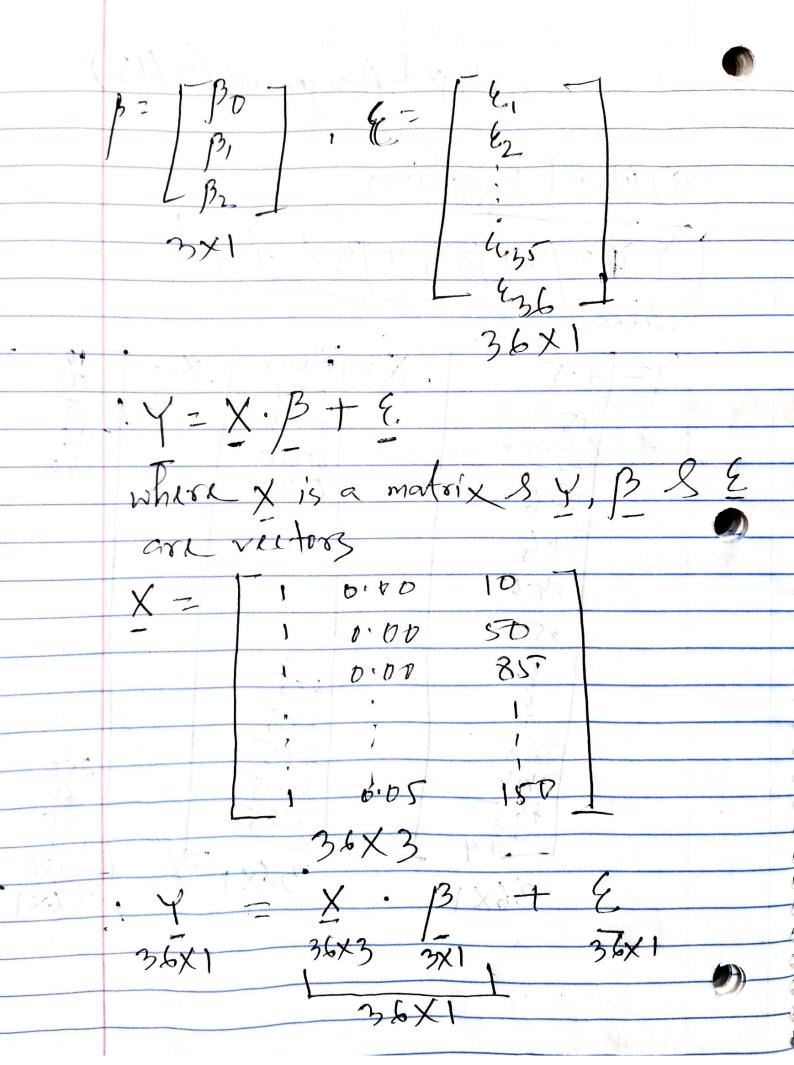
Flipped Assignment (2/15)

a) Model Equation

#= Bo+Bix, + B2x2+ E

White					
Y=1:	1.5	$X_{l}=$	8.00	, X2=	50 35
, /	15	, , ,	t.00	= 7	35
	22		0.00		140
(3)	28.6	ham s	0.00	88304	,
	31.6		941331	2.80	1
	34.0	0110	. 1	= >	· ·
	35.0	0.00	-(N- 64	(
		1000	0.05		(
	E		005		1
	52.5		7.05		250
	34.4	Date	0.05		250
46.5			1.05	1	90
	46.5	1	2	1/1	150
36X1 36X1				1	36×1



So the dimensionality works out in this matrix expression for the linear model. b) Dimensionality of Y is 36X1 Dimentinality of X is 36X3 c) Least squares estimates of the regolesion parameters B= (XTX) XTY where & dimentionality is 11 1XX 1 (XX) 1 X 1 Also the dimentionality model too.

