a Our system of equations of interest are the least squares normal equations: (X, X) P = X, A A.b = 1 De Forageneralized invuse (XX) of XX; 6 = (XTX) XTy is a solution a (1) Generalized inverse (XXX) is not unique a (2) For any given (XTX); there can be an infinite number of salutions for the least squares normal equation 夏 B = (XX) X + (XX) XX - I) Z] for any vector 30 $(X^TX)^T = (X^TX) \cdot (X^TX) \cdot X^Ty + [(X^TX)(X^TX)(X^TX) - (X^TX)] \cdot =$