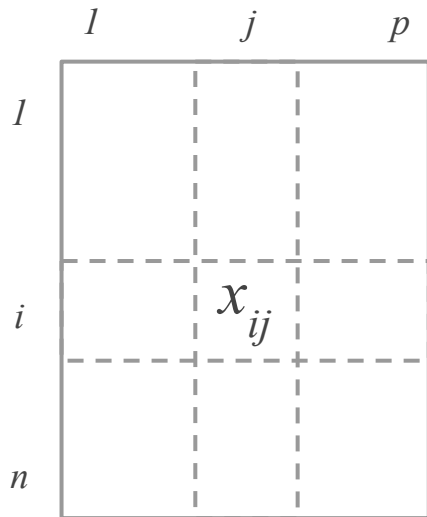


Rows  
(objects)



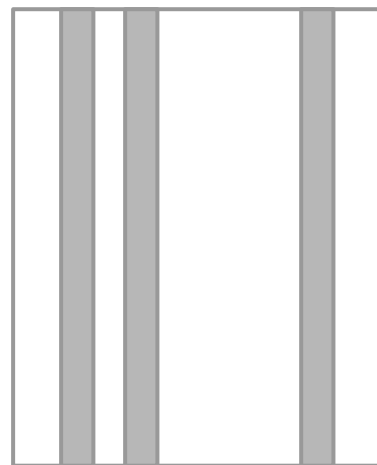
$\mathbf{X}$   
data matrix (centered)

Variables  
(columns)



$\mathbf{X}\mathbf{X}^T$

inner products of rows



$(1/n)\mathbf{X}^T\mathbf{X}$

covariance matrix