LDA 140.655

Supplyment: Inversion, Trace, Determinent of 2 $\times$ 2 Matrix

Suppose **A** is matrice with

$$A = \begin{pmatrix} a & b \\ c & d \end{pmatrix}$$

Then,

$$\begin{aligned} det(A) = |A| &= ad - bc \\ tr(A) &= a + d \\ Inverse(A) = A_{-1} &= \frac{1}{ad - bc} \begin{pmatrix} d & -b \\ -c & a \end{pmatrix} \end{aligned}$$