STAC58: 2015 Assignment 3

- D Suppose that $X = (X_i) \in \mathbb{R}^{m \times n}$ and X_i ;

 is a random variable = \pm . $E(X_i) \in \mathbb{R}$ Θ_i ;

 Then for $A \in \mathbb{R}^{p \times m}$, $B \in \mathbb{R}^{n \times q}$ and $C \in \mathbb{R}^{p \times q}$.

 Prove that $E(A \times B + c) = A E(X) B + C$.
- 2 6.2.19
- 3 6.3,30
 - (F) 6.5.17
 - (5) 8.1,13
 - 6.) 8.1.16
 - (7.) 8.1.21