Key Takeaways

Transpose of a Matrix:

The matrix obtained by interchanging rows and columns of a matrix A is called Transpose of matrix A.

Let $A = [a_{ij}]_{m\times n}$, then its transpose is denoted by $A' \text{or } A^T = [b_{ij}]_{n\times m}$, where $b_{ij} = a_{ji}, \forall\ i\ \&\ j$

Example:

$$A = \begin{pmatrix} z & a & x \\ c & e & f \end{pmatrix}_{2\times 3}$$

Its transpose is : $A' = \begin{pmatrix} z & c \\ a & e \\ x & f \end{pmatrix}_{3\times 2}$

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