

Cycle GAN

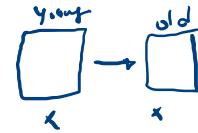


"transfer style"

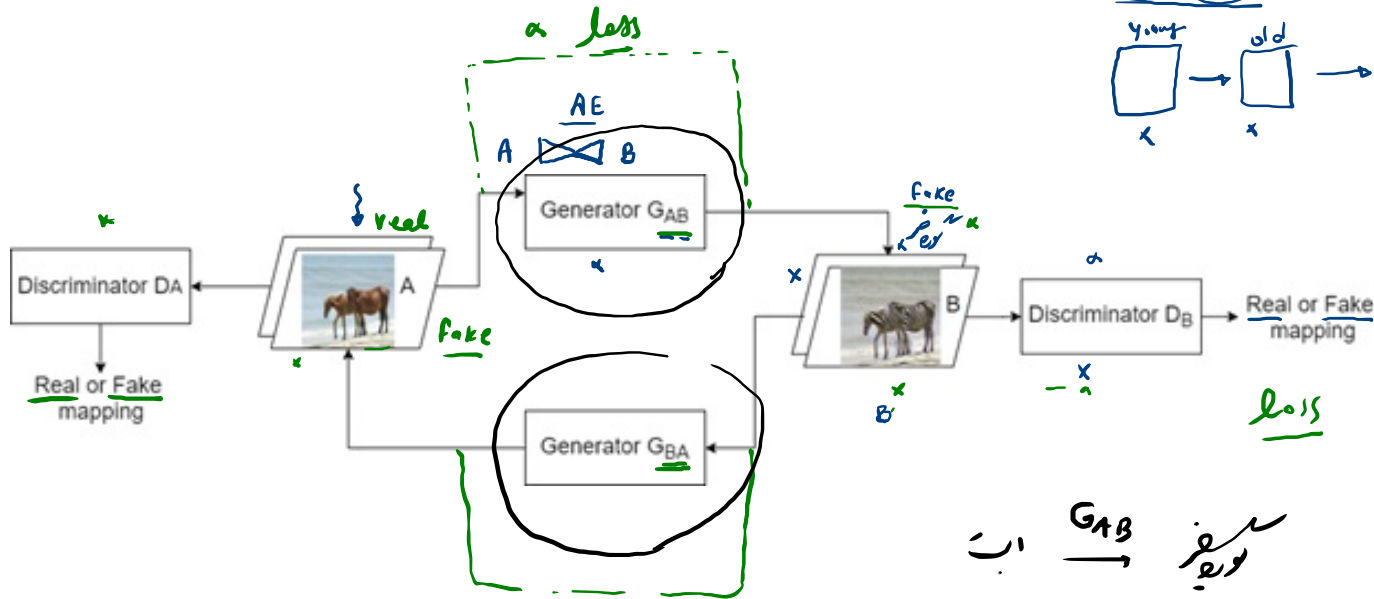


unpaired

Cycle G+D



paired



$D_A, D_B \rightarrow \text{fake, real loss}$

$G_{AB}, G_{BA} \rightarrow \text{loss}$

$A \xrightarrow{G_{AB}} B$
 $B \xrightarrow{G_{BA}} A$

α Transfer style!

α Data Generation.

α AR

α Day → Night
Night → Day

$$\left\{ \begin{array}{l} \frac{C_1 - \text{مرکز}}{r} \longrightarrow \\ 1 - \text{مرکز} \end{array} \right. \rightsquigarrow \text{cycle gan} \quad \begin{array}{l} \text{مرکز} \\ \text{مرکز} \end{array}$$

