Class-specific Diverse Instance Generator

Original Latent Variables

Reparameterization Trick
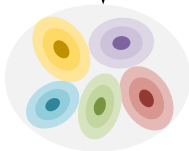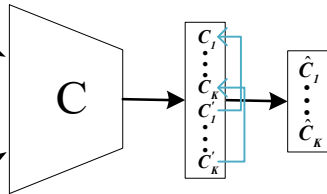
Class Distribution Latent Variables Z

G

C_1
C_2
$\vdots$
$\vdots$
C_K

Observed Instances X

C_1'
C_2'
$\vdots$
$\vdots$
C_K'

Generated Instances $\tilde{X}$

→ **Class-specific Adversarial Process**

C

C_1
$\vdots$
C_K
C_1'
$\vdots$
C_K'

$\hat{C}_1$
$\vdots$
$\hat{C}_K$

Adversarial Classifier