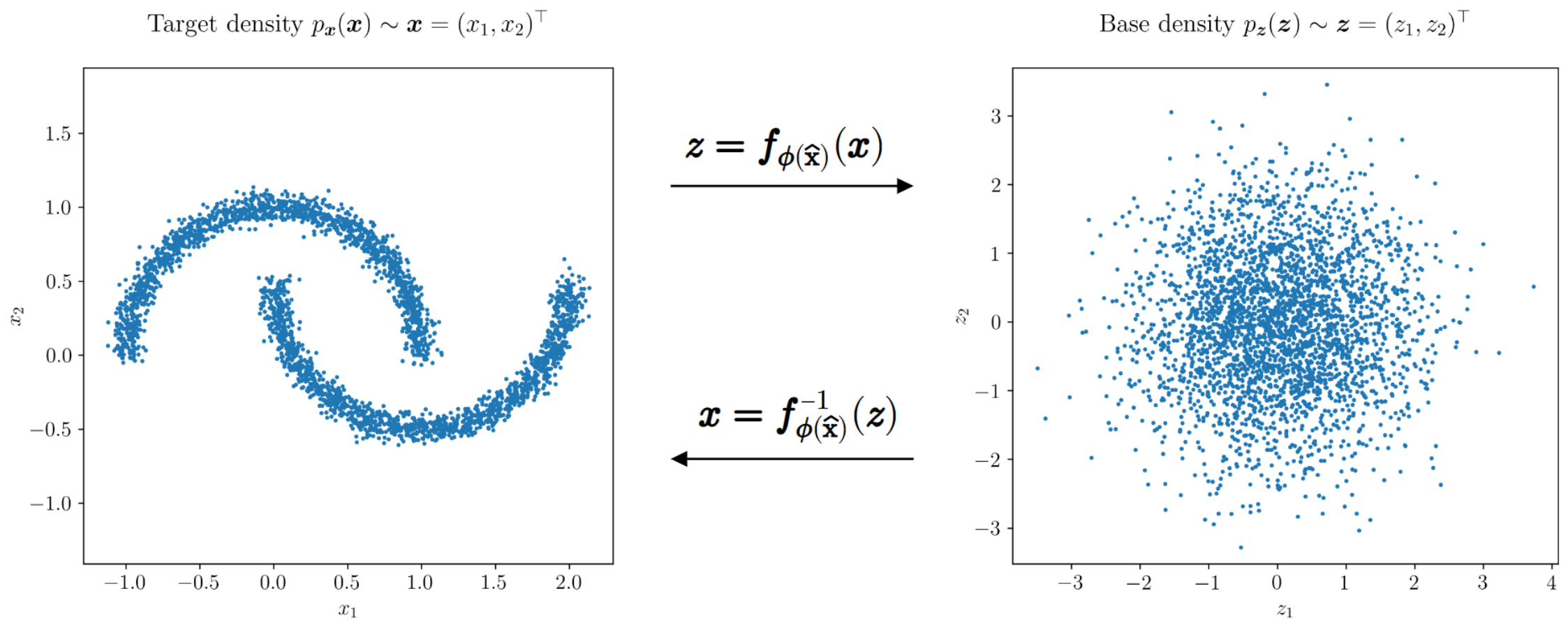
Target density $p_{\boldsymbol{x}}(\boldsymbol{x}) \sim \boldsymbol{x} = (x_1, x_2)^\top$
Base density $p_{\boldsymbol{z}}(\boldsymbol{z}) \sim \boldsymbol{z} = (z_1, z_2)^\top$
$\boldsymbol{z} = \boldsymbol{f}_{\phi(\hat{\mathbf{x}})}(\boldsymbol{x})$
$\boldsymbol{x} = \boldsymbol{f}^{-1}_{\phi(\hat{\mathbf{x}})}(\boldsymbol{z})$
x_1
x_2
z_1
z_2