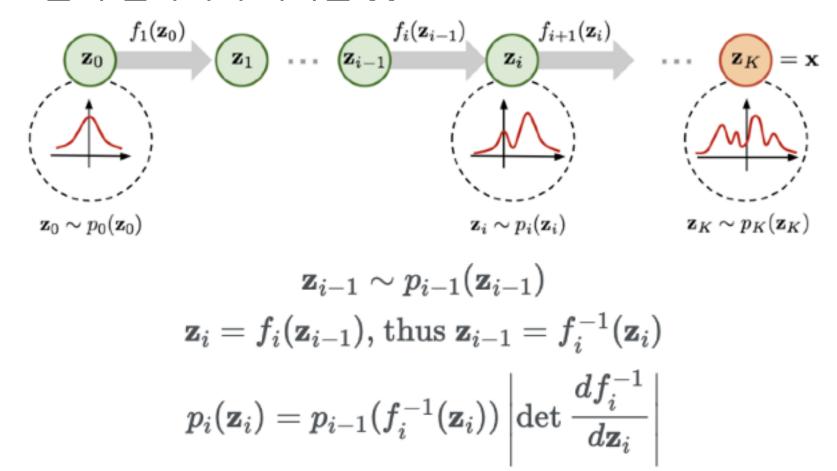
Normalizing flows

• Flow = 조금씩 변화시켜 나가는 것.



Jacobian matrix

$$egin{aligned} p_i(\mathbf{z}_i) &= p_{i-1}(f_i^{-1}(\mathbf{z}_i)) \left| \det rac{df_i^{-1}}{d\mathbf{z}_i}
ight| \ &= p_{i-1}(\mathbf{z}_{i-1}) \left| \det \left(rac{df_i}{d\mathbf{z}_{i-1}}
ight)^{-1}
ight| \ &= p_{i-1}(\mathbf{z}_{i-1}) \left| \det rac{df_i}{d\mathbf{z}_{i-1}}
ight|^{-1} \ &\log p_i(\mathbf{z}_i) = \log p_{i-1}(\mathbf{z}_{i-1}) - \log \left| \det rac{df_i}{d\mathbf{z}_{i-1}}
ight| \end{aligned}$$