

# Adversarial Auto-Encoders (AAEs) and Wasserstein Auto-Encoders (WAEs)

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# A Quick Review of VAEs

Let our data be distributed according to  $P_X$ .

**Variational Auto-Encoders** (VAEs) seek to find a generative model (i.e. decoder)  $G$  that minimizes

$$D_{KL}(P_X, P_G)$$