Latent Space

1. **Expression** : Any real example can be mapped to some point in the latent space and can be reconstructed from it.

2. **Realism** : Any point in the space represents some realistic example, including ones not trained in the set.

3. **Smoothness** : Examples from nearby points in latent space have similar qualities to one another.

Latent Space Model

1. Represents the variation in a high-dimensional dataset using a lower-dimensional code.
   → **COMPRESSION**
2. Excludes unconventional possibilities by learning the fundamental characteristics of training dataset.