

# Database Generation

- Performance of ML based approaches highly depend on the dataset on which they are trained on
- Balanced Data
- Diverse Data Samples
- Normalized Data

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## Curiosity Driven Exploration

- State : Mechanism State
- Action : Change in Linkage Parameters
- Reward Model : Auto Encoder Reconstruction Loss

$$Q(X) = z \quad G(z) = \hat{X}$$

Encoder      Decoder

$$r = - \frac{1}{(G(Q(X_t)) - X_t)^2}$$

Reward for reaching State  $X_t$