


A class of flexible  $p(\mathbf{x}|\mathbf{z})$

usefulness of  $p_{\theta}(\mathbf{z}|\mathbf{x})$

$KL[p_{data}(\mathbf{x})||p_{\theta}(\mathbf{x})]$



The figure consists of a graph with a horizontal x-axis and a vertical y-axis. The x-axis is labeled with the expression  $KL[p_{data}(\mathbf{x})||p_{\theta}(\mathbf{x})]$ . The y-axis is labeled with the expression 'usefulness of  $p_{\theta}(\mathbf{z}|\mathbf{x})$ '. A solid purple line starts at the origin (0,0) and extends diagonally upwards to the right. The area beneath this line is filled with a light purple color, creating a triangular region that represents the range of possible outcomes for the given class of flexible distributions.