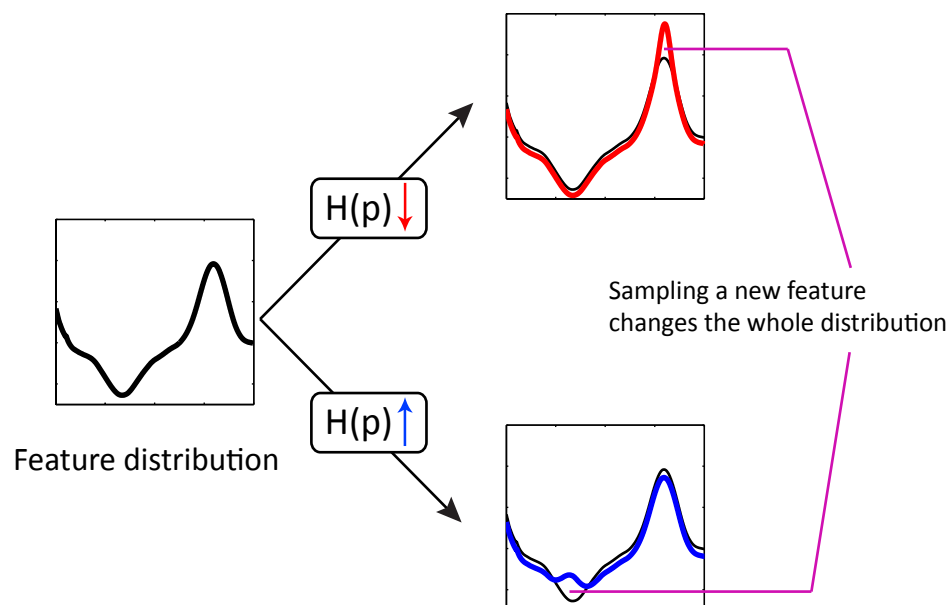


Dynamic Visual Attention: Searching for coding length increments

Xiaodi Hou and Liqing Zhang (W-77)

The Incremental Coding Length (ICL)



$$ICL(p_i) = \frac{\partial H(\mathbf{p})}{\partial p_i} = -H(\mathbf{p}) - p_i - \log p_i - p_i \log p_i$$

What are we looking for?

Common features reduce entropy \longrightarrow non-salient

Rare features gain entropy \longrightarrow **SALIENT!**

Feature can be sampled in various ways

