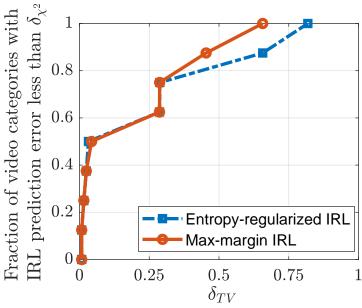


 $\mathbf{E}_x\{\chi^2(\hat{p}_k(a|x), p_k(a|x))\}$ 



Total Variation Prediction Error  $\mathbf{E}_x\{TV(\hat{p}_k(a|x), p_k(a|x))\}$