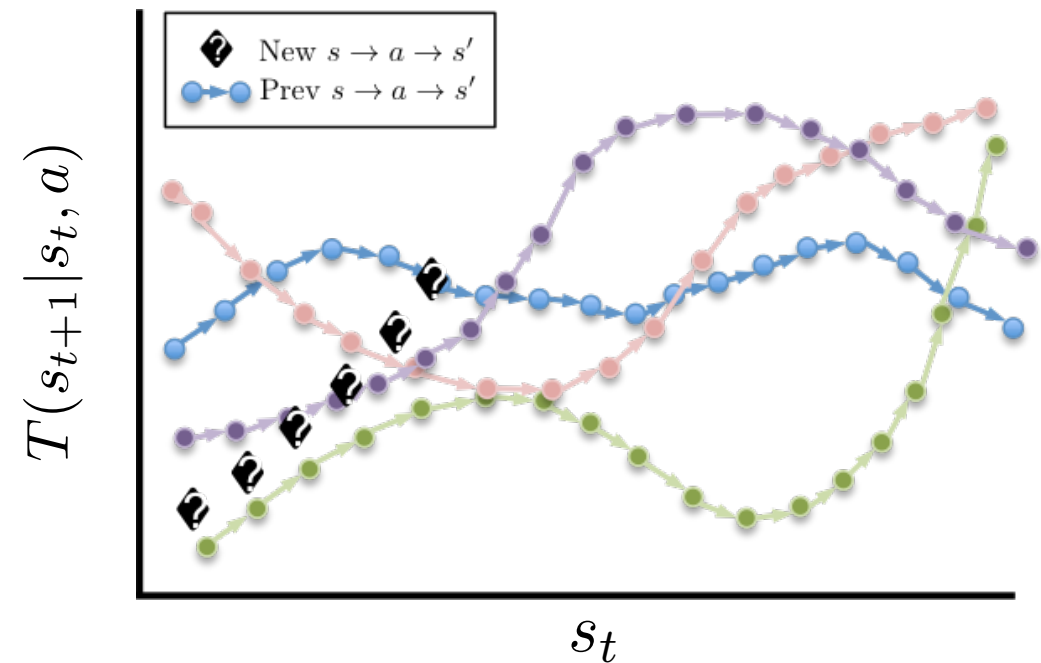
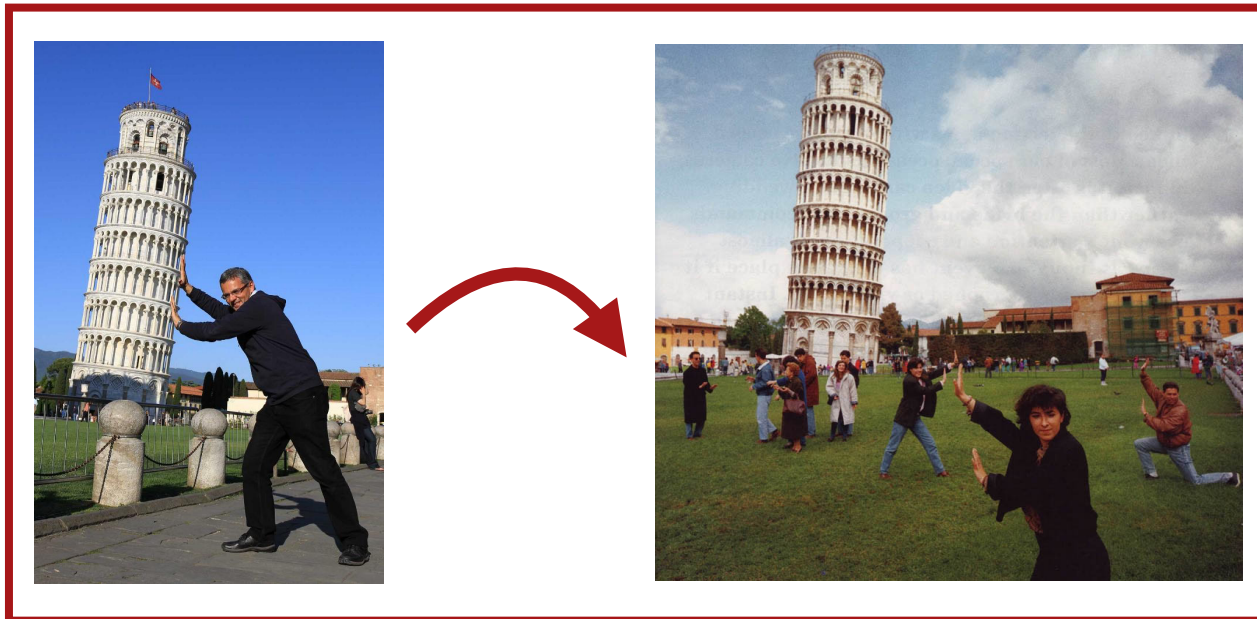


Robust and Efficient Transfer Learning using Hidden Parameter Markov Decision Processes

Taylor W. Killian George D. Konidaris Finale Doshi-Velez



$$(s'_d - s_d) \approx \sum_k^K z_{kad} w_{kb} f_{kad}^{(GP)}(s) + \epsilon$$

$$w_{kb} \sim \mathcal{N}(\mu_{w_k}, \sigma_w^2)$$

$$\epsilon \sim \mathcal{N}(0, \sigma_{nad}^2) \quad [\text{Doshi-Velez and Konidaris (2013)}]$$



$$(s' - s) \approx f^{(BNN)}(s, a, w_b) + \epsilon$$

$$w_b \sim \mathcal{N}(\mu_w, \sigma_w^2)$$

$$\epsilon \sim \mathcal{N}(0, \Gamma_b)$$

