## ROIL - Robust Offline Imitation Learning

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## Introduction

- ► IL is a learning paradigm where an agent learns a policy from expert demonstrations.
- ▶ We model the domain as a Markov Decision Process (MDP)  $(S, A, P, p_0, r, \gamma)$ .
- ▶ We aim to perform well, even in the presence of covariate shift where the experts state visitation distribution does not follow their own –.

## **Preliminaries**

$$\rho(\pi,r) = \lim_{T \to \infty}$$