Survey Paper Proposal

Model-Based Reinforcement Learning Techniques

Athul Jose P

CptS 575 Data Science
Washington State University

Topic: Model-Based Reinforcement Learning Techniques

I am proposing a survey on model-based reinforcement learning (MBRL) techniques as it aligns with my current research in smart buildings. In my course project, I am focusing on data handling for smart buildings, but I intend to integrate control strategies to enhance building performance in the later stages of my research. MBRL is a promising avenue, particularly in the conservative power systems field, which often demands well-validated models. This survey will help me explore the breadth of model-based reinforcement learning methods and their potential applications in the power domain.