ResearchGPT Summary Report

1. Lecture Notes: Optimization for Machine Learning

Link: http://arxiv.org/abs/1909.03550v1

Summary:

Lecture notes on optimization for machine learning, derived from a course at

Princeton University and tutorials given in MLSS, Buenos Aires, as well as

Simons Foundation, Berkeley.

2. An Optimal Control View of Adversarial Machine Learning

Link: http://arxiv.org/abs/1811.04422v1

Summary:

this view encompasses many types of adversarial machine learning . it encourages researcher to

utilize advances in control theory and reinforcement learning.

3. Minimax deviation strategies for machine learning and recognition with   short lear

Link: http://arxiv.org/abs/1707.04849v1

Summary:

The article is devoted to the problem of small learning samples in machine

learning. The flaws of maximum likelihood learning and minimax learning are

looked into and the concept of minimax deviation learning is introduced that is

free of those flaws.

4. Machine Learning for Clinical Predictive Analytics

Link: http://arxiv.org/abs/1909.09246v1

Summary:

in this chapter, we provide a brief overview of applying machine learning techniques for clinical prediction tasks . we outline some of the most common machine learning algorithms . then, we demonstrate how to apply the algorithms with appropriate toolkits to conduct machine learning experiments .

5. Towards Modular Machine Learning Solution Development: Benefits and   Trade-of

Link: http://arxiv.org/abs/2301.09753v1

Summary:

cost of developing custom machine learning solutions is a major inhibitor to far-reaching adoption of machine learning technologies . modular machine learning can overcome major solution engineering limitations of monolithic machine learning . the modular solution can reap the solution engineering advantages of modularity while gaining performance and data advantages .