**IntelliGame Lab组会日志**

**时间：**2022年03月22日

**地点：**创新中心B-318

**主讲人：**李金豪

**记录人：**袁伟民

**组会内容摘要：**

1、Tomorrow I am going to talk about distributed optimization. Distributed optimization can be applied in any large-scale distributed network, such as smart grid, IOT network, and transportation system, with the aim of efficiently controlling the whole system in a distributed manner instead of a centralized way, which can be highly related to reinforcement learning, federated learning, and graph learning. Firstly, several essential preliminaries about optimization theory will be introduced, including convex, Lipschitz smooth, convergence speed, and sub-gradient descent. Then, several representative algorithms of distributed optimization will be presented. Lastly, I want to discuss with you about future interesting directions and what we can do based on distributed optimization.

**重要事务进展：**

1. 鼓励实验室成员多多运动，积极走出寝室，安排陈典为文体委员，带领大家每周开展体育锻炼。
2. 李金豪、黄承浩论文争取尽快修改完善
3. 研三尽快完成毕业论文，4月答辩
4. 医工结合：①找院方老师要数据 ②确定实验方案思路，第一条路线：通过基因数据做疾病预测；第二条路线：研究不同基因位点与不同表型的关系