**Applications Single Stock** Benchmark **Multiple Stock Portfolio User-defined Trading** Allocation **Trading Trading Tasks Test** Conventional RL Agents DRL Agents DDPG, DQN, **User-designed** A2C, Policy Iteration, **PPO** Double DQN, TD3 Value Iteration **DRL Algorithms** SAC **Dueling DQN MADDPG** Action State Reward Financial Market Environments NASDAQ-100 constituents SSE 50 constituents Benchmark **User-import** CSI 300 constituents **DIJA** constituents Environment **Datasets HSI** constituents S&P 500 constituents