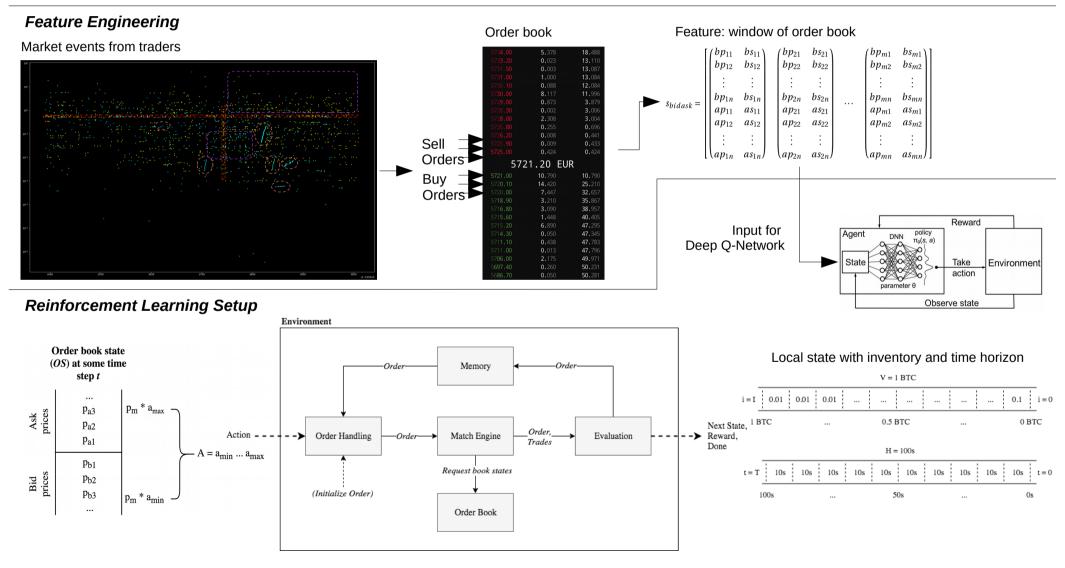
Order Placement Optimization with Reinforcement Learning

Research Question:

"How should one design a reinforcement learning environment and construct features, which are derived from a limit order book, in order to optimize limit order placement?".

Order Placement Problem:

"How can we buy (respectively sell) V shares within a time horizon T, in a manner that minimizes the capital spent (respectively, maximizes the revenue received)?".



Marc Juchli • Pattern Recognition Laboratory • May 24, 2018