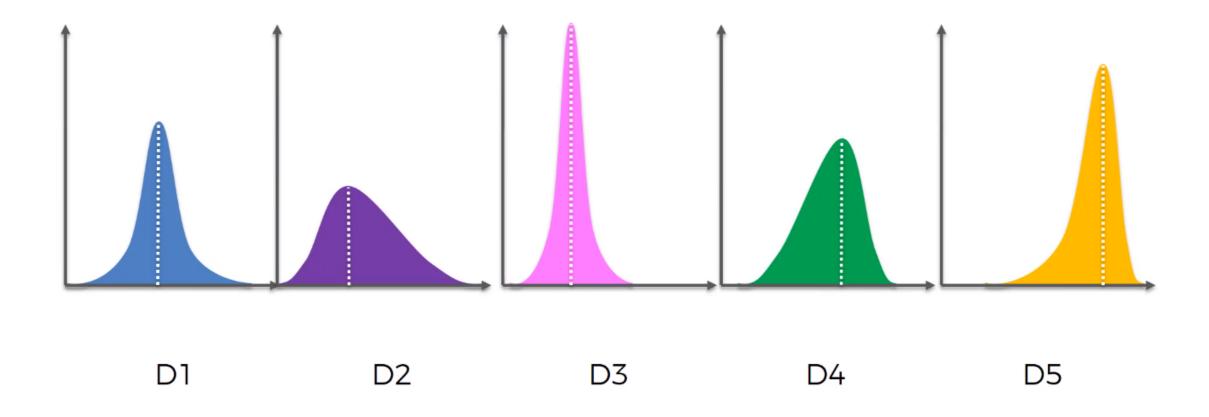
- Reinforcement Learning algorithms:
 - Upper Confidence Bound (UCB)
 - Thompson Sampling







Notes

- The problem assumes that you have a finite set of machines and there is a distribution which is the best distribution
- It uses exploration and exploitation
- Tries to the best distribution in order to exploit it, but tries to spend the least amount of time exploring all of them
- If you don't spend too much time exploring the machines, you may end up exploiting the non-optimal machine
- It's better than AB test in the sense that AB test exploits the machines randomly, while UCB tries to exploit the best machine