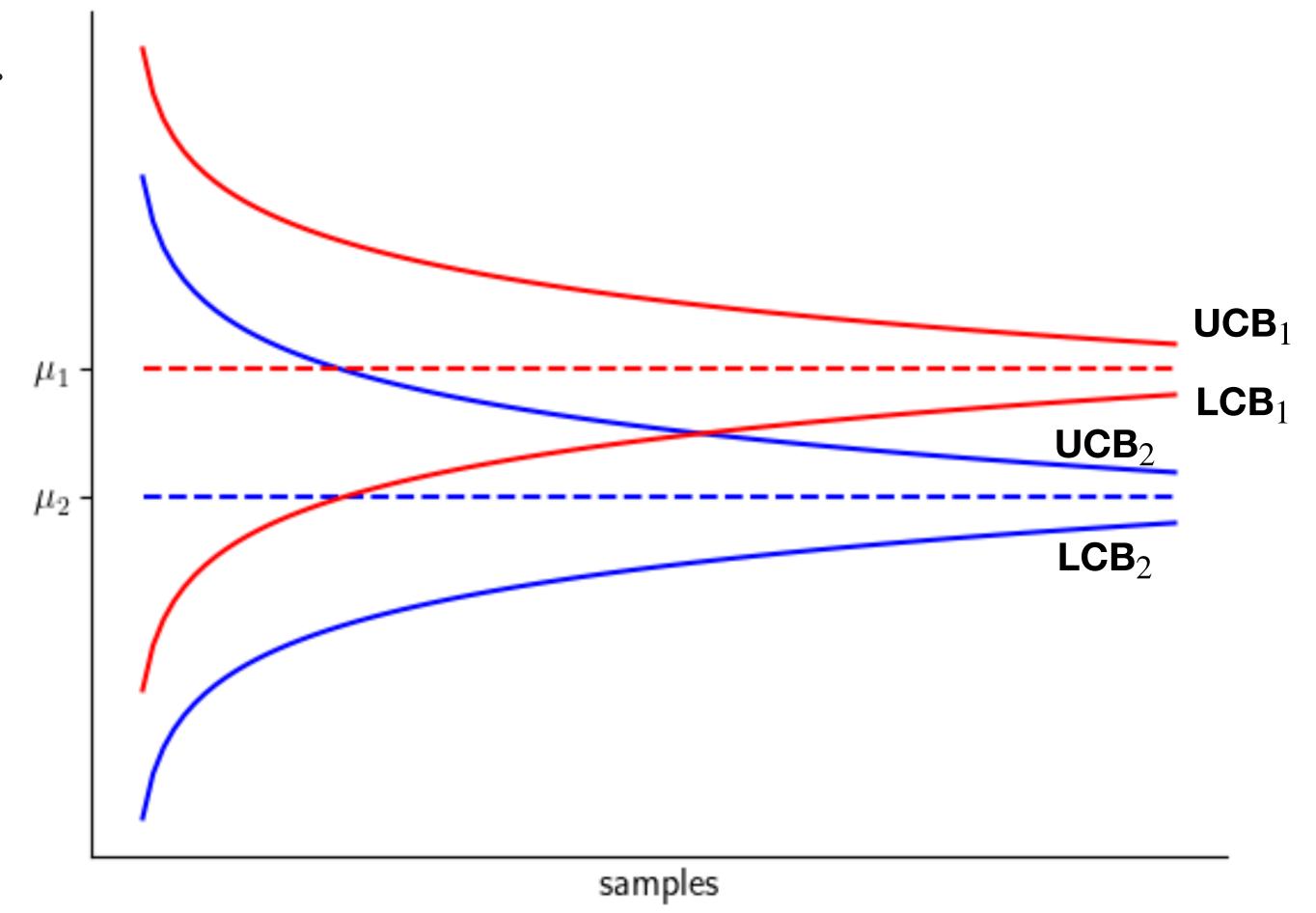
Sample means in a typical set

- From now on, we restrict ourselves to the good event where the actual mean is contained in the interval $\left[LCB_a(t), \ UCB_a(t) \right]$
- ullet An interesting observation: The interval $\left[{f LCB}_a(t), \ {f UCB}_a(t) \right]$ shrinks as we collect

more samples from arm a.



Successive rejection (SR) algorithms

ullet Maintain a set of active arm A

ulletPull arms from A following round robin rule

•Let $LCB_{max}(t)$ be the maximum LCB of the arms at iteration t

•Remove an arm from the active set A if it has $UCB_a(t) \leq LCB_{\max}(t)$