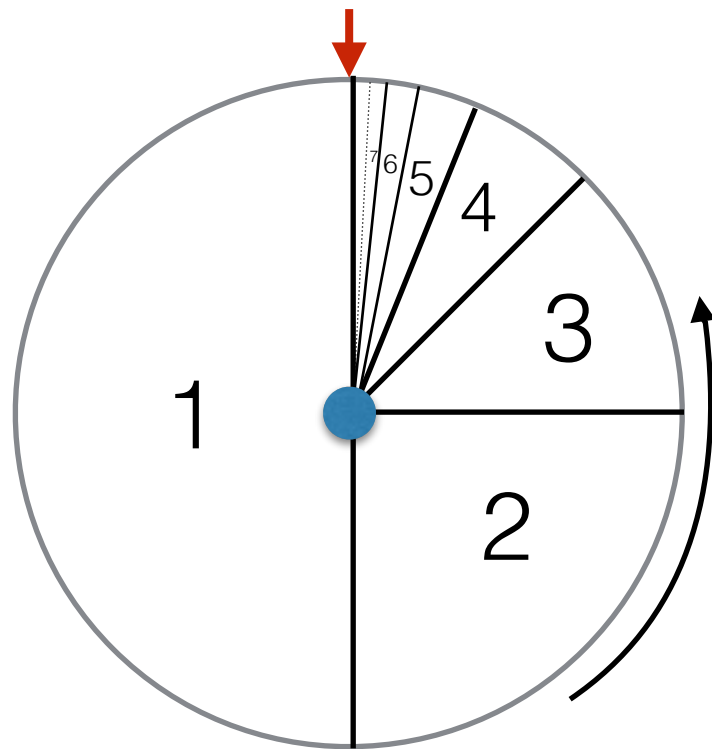
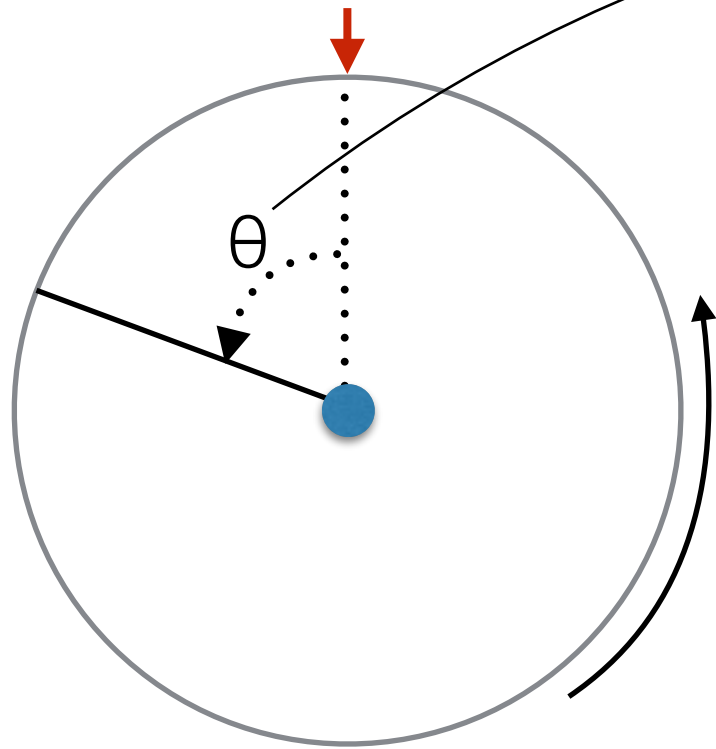


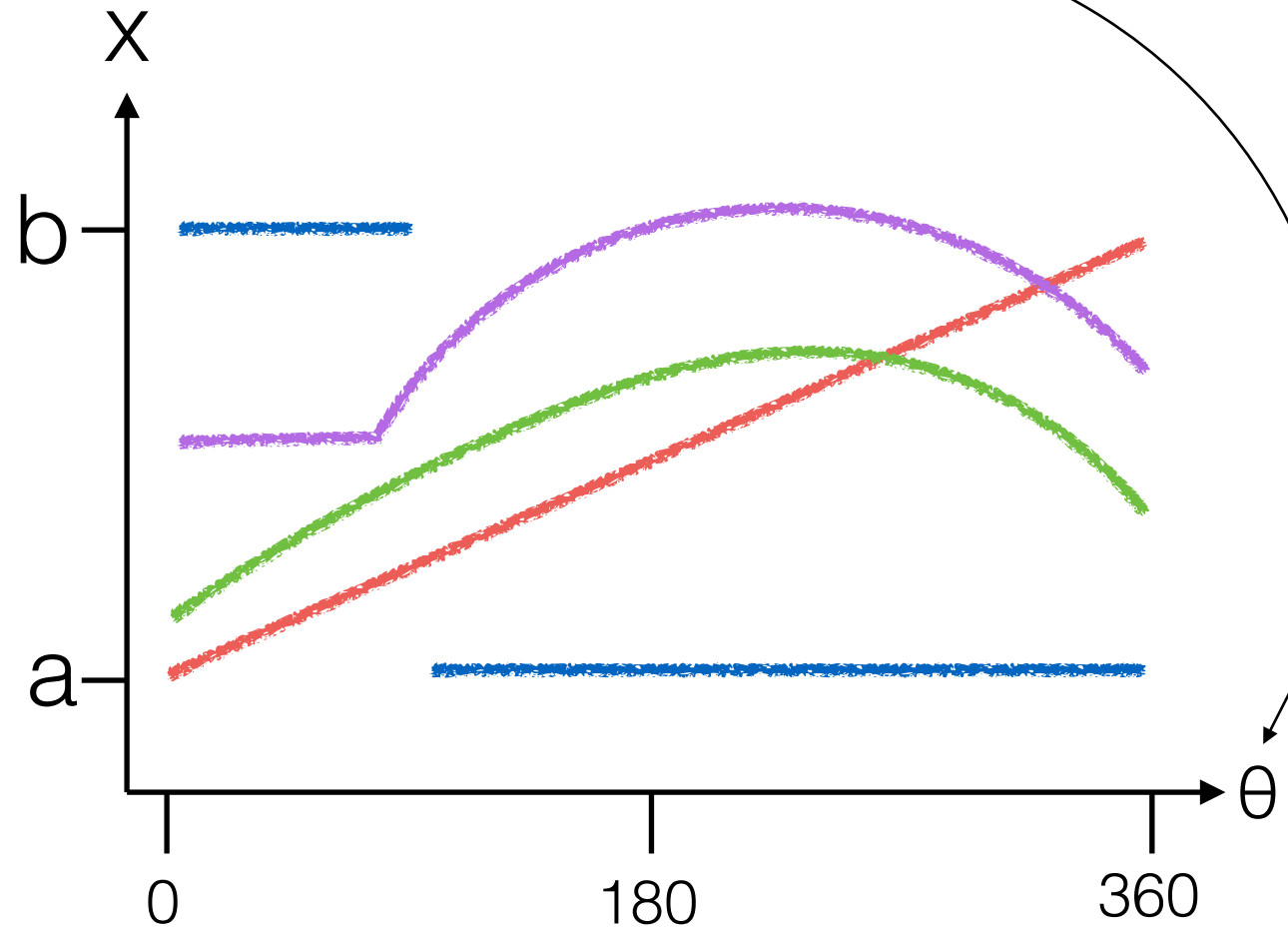
(a) A wheel with four outcomes



(b) A wheel with infinitely many outcomes



A wheel with uncountably many outcomes



 Point-mass distribution: $P(b)=1/4$, $P(a)=3/4$

 Density distribution: uniform over $[a,b]$

 Density distribution: non-uniform

 Mixture of point-mass and non-uniform density