

## Dice Data for the “Dishonest Casino”

- Two dice, one fair, other biased:

$$P(1) = \dots = P(5) = 0.1; P(6) = 0.5.$$

- Transition probabilities:

$$P(\text{fair} \rightarrow \text{fair}) = 0.95$$

$$P(\text{fair} \rightarrow \text{biased}) = 0.05$$

$$P(\text{biased} \rightarrow \text{fair}) = 0.1$$

$$P(\text{biased} \rightarrow \text{biased}) = 0.9.$$

- Data:

315116246446644245311321631164  
152133625144543631656626566666  
651166453132651245636664631636  
663162326455236266666625151631  
222555441666566563564324364131  
513465146353411126414626253356  
366163666466232534413661661163  
252562462255265252266435353336  
233121625364414432335163243633  
665562466662632666612355245242