

ASSUME WE HAVE A MACHINE WITH 3 STATES
(1, 2, 3). ALWAYS START AT 1

- MARKOV CHAIN:

- UNKNOWN TRANSITION MATRIX P

- ~~1 2 3~~ 2 1 2 3 3 2 1 1

- PREDICT CONTINUATION!

COUNT MATRIX:

USE FREQUENCIES?

	1	2	3
1	2	2	0
2	2	1	2
3	0	2	1

$$\hat{P} = \begin{bmatrix} \frac{2}{4} & \frac{2}{4} & 0 \\ \frac{2}{5} & \frac{1}{5} & \frac{2}{5} \\ 0 & \frac{2}{3} & \frac{1}{3} \end{bmatrix}$$