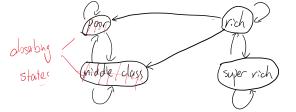


Two interpretations of distribution from Markov Chain

- 1. probability evolution of a single agent /
- 2. Cross-sectional distr. of numerous agents: Ψ_{t} $\begin{pmatrix} 0.3 \\ 0.7 \end{pmatrix}$ $\begin{pmatrix} -30\% \\ 75\% \end{pmatrix}$ employed $\Psi_{t+1} = \begin{pmatrix} 0.3 & 0.7 \end{pmatrix} \begin{pmatrix} 0.5 & 0.5 \\ 0.1 & 0.9 \end{pmatrix}$ $= \begin{pmatrix} 0.22, & 0.78 \end{pmatrix} \frac{\text{at } 641}{78\%}$ uneployed employed employed

Another matrix that is not irreducible



Periodic $\begin{cases}
\forall \psi \text{ for some }^m \\
\forall_{t+m} = \psi_t
\end{cases}$ $\begin{cases}
\forall_{t+m} = \psi_t \\
\forall_{t+m} = \psi_t
\end{cases}$ $\begin{cases}
p^m = y \\
p^m = z
\end{cases}$