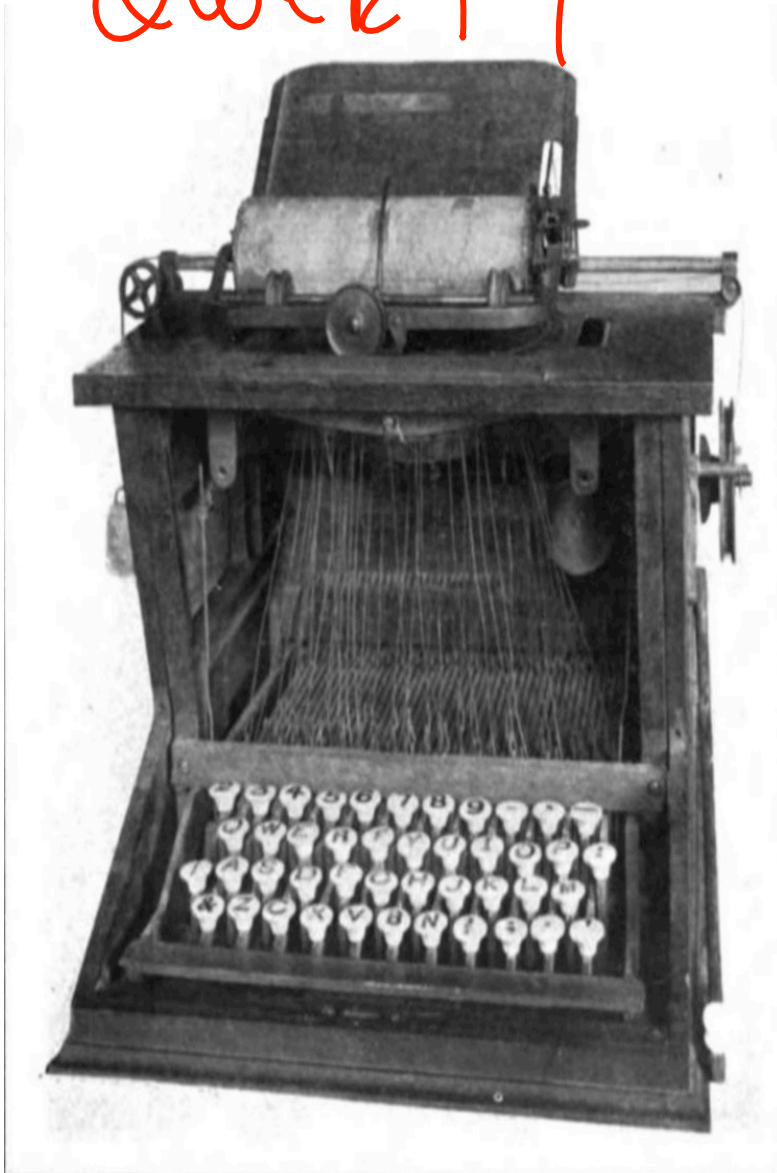


Model Thinking

Scott E Page

Path Dependence

QWERTY



[Wikicommons.org](https://commons.wikimedia.org/)

Path Dependent:

Outcome probabilities
depend upon the
sequence of past
outcomes.

“History Matters”

Technology

Common Law

Institutional Choices

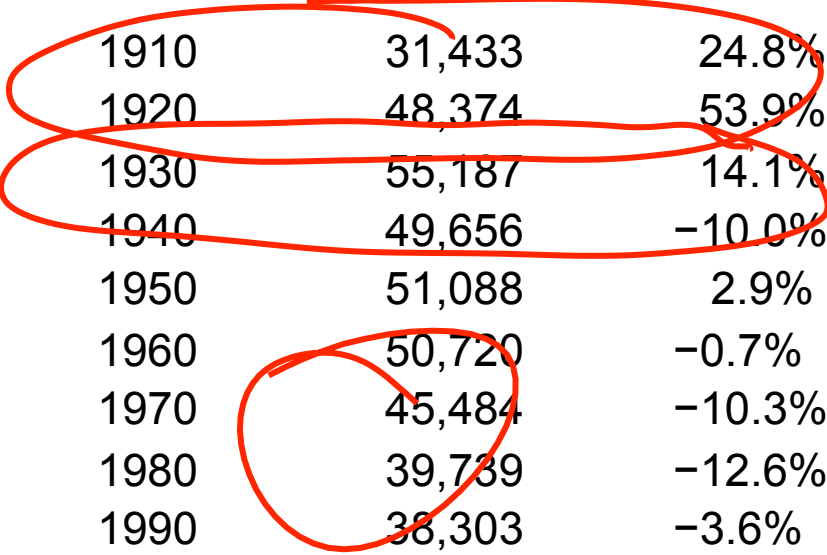
Economic Success

Ann Arbor:

Largest public
university

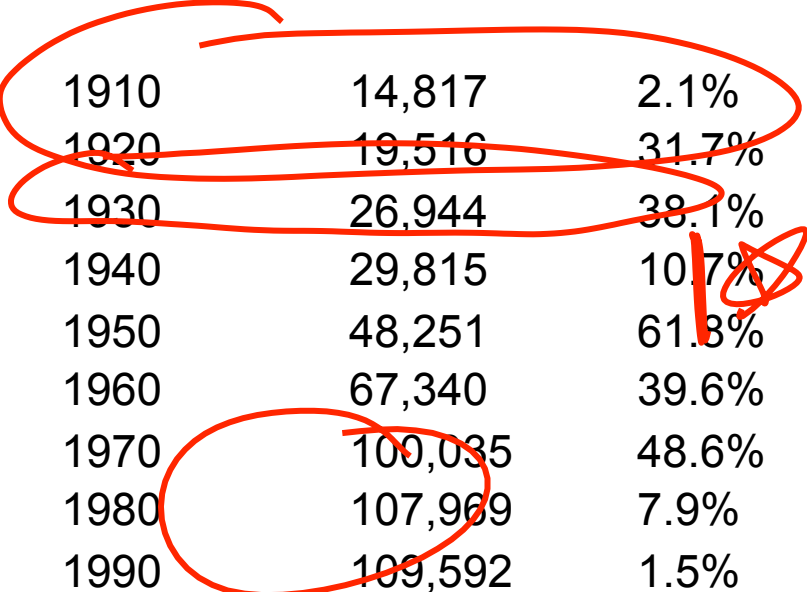
Jackson: Largest
four walled prison

Jackson



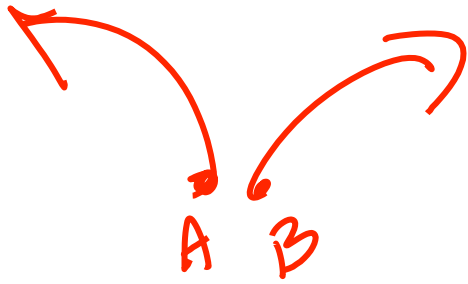
1910	31,433	24.8%
1920	48,374	53.9%
1930	55,187	14.1%
1940	49,656	-10.0%
1950	51,088	2.9%
1960	50,720	-0.7%
1970	45,484	-10.3%
1980	39,739	-12.6%
1990	38,303	-3.6%
2000	36,316	-5.2%

Ann Arbor



1910	14,817	2.1%
1920	19,516	31.7%
1930	26,944	38.1%
1940	29,815	10.7%
1950	48,251	61.3%
1960	67,340	39.6%
1970	100,035	48.6%
1980	107,969	7.9%
1990	109,592	1.5%
2000	114,024	4.0%

Increasing Returns



Chaos: ESTIC

Markov Process

Model Thinking

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