

Population Dynamics Example

Stephen Boyd

EE103
Stanford University

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Let's start with Stanford student population distribution

- ▶ use U.S. data for birth and death rates
- ▶ start from initial population distribution

$$(x_0)_i = \begin{cases} 2200 & i = 19, 20, \dots, 27 \\ 0 & \text{otherwise} \end{cases}$$

(approximate population distribution of Stanford students)

Predicting future population distributions

predict s years into the future

