

# LaTeX Template

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1 Introduction

2 Equation Example

This  $\text{\LaTeX}$  template is based on the official Purdue color guide.  
Edit the `\mylogo` command to get the Purdue or Discovery park logo on the top.

- ▶ Process with the Markov property:  $P(s_{t+1}|s_t, \dots, s_0) = P(s_{t+1}|s_t)$

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## Two processes

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## Two processes

▶ 
$$\begin{bmatrix} p_{00} & p_{01} \\ p_{10} & p_{11} \end{bmatrix}$$

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## Two processes

- ▶  $\begin{bmatrix} p_{00} & p_{01} \\ p_{10} & p_{11} \end{bmatrix}$
- ▶  $\sum_i p_{ji} = 1$



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## Two processes

- ▶  $\begin{bmatrix} p_{00} & p_{01} \\ p_{10} & p_{11} \end{bmatrix}$
- ▶  $\sum_i p_{ji} = 1$
- ▶  $\begin{bmatrix} p_{00} & p_{01} \\ p_{10} & p_{11} \end{bmatrix} \begin{bmatrix} N_0(t) \\ N_1(t) \end{bmatrix} = \begin{bmatrix} N_0(t+1) \\ N_1(t+1) \end{bmatrix}$