IATEX.

A SHORT INTRODUCTION

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Date TBD Location TBD

Overview

Introduction

Getting Started

Examples

Introduction etting Started Examples

Introduction

What is LATEX?

A typesetting program: $content \rightarrow a \ document$

What is LATEX?

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A type setting program: $content \rightarrow a \ document$

input: filename.tex

```
\begin{document}
 setlength(\parskip)(6pt)
\section(Scenarios)
For model checks, we explore 3 simulation scenarios:
 newcommand(\scenario)[2][\textbf(\nameref(sec:#1)]: #2]
 \item \scenario(en)
 (only susceptible groups: for verifying demographic outputs)
 fonly susceptible and undiagnosed groups: for verifying transmission dynam
 (all population groups: for verifying intervention dynamics)
\section{Equilibration}\label{sec:eq}\renewcommand{\sec}{eq}
     {Equilibration proportions of activity groups and sex}
    (Total population during equilibration, adjusted to reach SN 05 at the
\section{Epidemic}\label{sec:epi}\renewcommand{\sec}{epi}
\subsection(Population Proportions)
figit{\sec-X-activity}{activity groups}
       \sec-X-infected}(infected groups)
      (Population proportions)
\subsection(Prevalence)
\figii{\sec-prevalence-sexwork}{FSW and clients}
```

IAT_EX

output: filename.pdf



- ► separate content and formatting
- automate numbers and cross-references
- beautiful math
- comments and version control
- split-up large documents into parts
- it's free!

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- 1. "primitives" e.g. \def\pi{3.14} defines a macro \pi to contain "3.14"
- 2. "classes" e.g. an article, which should have: title, author, sections, etc
 - + "packages" e.g. modify or extend a basic class
- 3. "document" e.g. this specific article (including content!)

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 $\begin{array}{c} {\rm Introduction} \\ {\bf Getting~Started} \\ {\rm Examples} \end{array}$

GETTING STARTED

Your First Document

```
\documentclass{article}
% document header
\begin{document}
% document content
Hello World
\end{document}
```

But first: Overleaf o "New Project"

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- ▶ title, author, date
- sections
- ▶ math
- cross-references & table of contents
- citations & bibliography

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Introduction Getting Started Examples

EXAMPLES

- e.g. a thesis
- ▶ e.g. a CV
- e.g. an article

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- e.g. an article

Helpful Resources

- ► Overleaf Online LATEX writing application
- ► LATEX Install Guide To install LATEX on your computer (offline)
- ► TeXstudio Great editor for composing LATEX "code" (offline)
- ► T_EX Stack Exchange Q & A style how-to and debugging help
- ► MTEX Cheat Sheet A really nice reference for common commands