GRAD 778: Reproducible Research

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Using \LaTeX

Basic LaTeX command syntax

- Latex command begin with a backslash
- The arguments for Latex commands are written inside of curly braces
- Comments are made with a % sign

```
\documentclass{article}
\title {My First \LaTeX Document}
\author{Jane Doe}
\date{September 2019}
\begin { document }
\ maketitle
 Hello world!
\end{document}
```

My First LATEXDocument

Jane Doe

September 2019

Hello world!

```
\documentclass{article}
\usepackage{lipsum}
\title {My Second \LaTeX Document}
\author{Jane Doe}
\date{September 2019}
\begin { document }
\maketitle
\section { Abstract }
\lceil \log m \lceil 2-4 \rceil
\section { Introduction }
\lceil lipsum [2-4] \rceil
\section { Methods }
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\section { Results }
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\section { Discussion }
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\end{document}
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My Second LaTeXDocument

Jane Doe

September 2019

1 Abstract

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2 Introduction

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3 Methods

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4 Results

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5 Discussion

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Exercise 1

Using LaTeXtemplates

- Navigate to the folder: /GRAD778_04_2020/Presentation/Module03_LaTeX/LaTeXExercise/
- Choose one of the templates from the journals Ecography, Journal of Animal Ecology (JAE), Journal of Wildlife Management (JWM), Proceedings of the National Academy of Science (PNAS), or Science.
- Open the .tex file in the folder.
- Customize the template to include:
 - Author names from a publication/project you are working on,
 - Affiliations,
 - Sections and sub-sections relevant for your work.
- Open the .bib file in the folder.
- Customize the .bib file to include:
 - A reference from your field (go to Google Scholar, find an appropriate article, select the quotation marks below the article, and select "BibTeX" at the bottom of the pop-up window. Copy and past it into the .bib file)
- Add the handle of the reference to the main .tex article using citep{handle} (with a backslash before citep).

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