Doing presentations with LaTeX

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```latex
\documentclass{article}

\begin{document}
        \title{LIN 300 \LaTeX~ tutorial (continued)}
        \author{Hongchen Wu (Put your name instead)}
        \maketitle

    \section{How to Write an abstract?}
    Your abstract should accomplish the following in approx. 300-500 words:

    \begin{enumerate}
        \item State the \underline{descriptive} or \underline{analytic} goal of the paper

        \item Follow this with a brief description of:
          \begin{enumerate}
              \item the sources consulted, \textbf{or}
              \item the data analyzed
          \end{enumerate}

        \item Outline \textit{briefly} what the paper does...
          \begin{enumerate}
              \item For a descriptive work or literature discussion, highlight the main topics covered.
              \item For an analytic paper, describe the main argument made.
          \end{enumerate}
    \end{enumerate}

\end{document}
```

Beamer

- Declare a file to be a beamer file by using:
  \documentclass{beamer}

- Each slide will have the form:
  \begin{frame} \frametitle{(Optional) title of a slide}
  Contents go there!
  \end{frame}

```latex
\documentclass{beamer}

\begin{document}

    \begin{frame}
        \title{LIN 300  \LaTeX~ tutorial (continued)}
        \author{Hongchen Wu (Put your name instead)\\
                            \texttt{hongchen.wu@stonybrook.edu}}
        \date{July 5, 2017}
        \maketitle
    \end{frame}

    \begin{frame}
        \frametitle{Slides in Latex}
        This is the first slide I created with \LaTeX.
    \end{frame}

\end{document}
```

Playing around with timing

- Beamer allows you to pause between texts
  \pause

- and to do trickier overlays
  \item<2->

  \item\only<4>

  \item<5->

```latex
\begin{frame}
    \frametitle{Slides in Latex}
    This is the first slide I created with \LaTeX.
\end{frame}

\begin{frame}
    \frametitle{Playing around with timing}
    \begin{itemize}
    \item Beamer allows you to pause between texts
    \pause
    \item<2-> and to do trickier overlays
    \item<3-> with timing and so forth
    \item\only<4>{other stuff can come now}
    \item<5-> and it's pretty cool (naturally)
    \item<3->timing!
    \end{itemize}
\end{frame}

\end{document}
```

Using blocks

- Blocks split text horizontally into headed sections

- To change block color and style, you can use these:
  - \setbeamercolor{block title}{fg=black,bg=blue!50!white}
  - \setbeamercolor{block body}{fg=blue, bg=blue!10!white}

```latex
1 \documentclass{beamer}
2
3    \setbeamercolor{block title}{fg=black,bg=blue!50!white}
4    \setbeamercolor{block body}{fg=blue, bg=blue!10!white}
5
6 \begin{document}
7
```

```latex
    \begin{frame}
        \frametitle{Using blocks}
        \begin{block}{First Block Heading}
            Check this block out!
        \end{block}
    \end{frame}


\end{document}
```

Drawing tables

- Making tables in LATEX is pretty straightforward.

- You first designate a "table" environment with \begin{tabular} and \end{tabular}.

- Inside the tabular environment, you use & to separate columns, and \\ at the end of each row

```latex
\begin{frame}
    \frametitle{Drawing tables}
    \begin{block}{A truth-value table}
        \begin{center}
            \begin{tabular}{cc|ccc}
                p & q & p & $\wedge$ & q \\
                \hline
                T & T & T & T & T \\
                F & F & F & F & F \\
                T & F & T & F & T \\
                F & T & F & F & T
            \end{tabular}
        \end{center}
    \end{block}
\end{frame}

\end{document}
```

Including graphics

- Package for inserting pictures:
    \usepackage{graphicx}

- To include graphics, you can use:
    \includegraphics[width=.8\textwidth]{example-image-a}

```
61  \begin{frame}
62      \frametitle{Including graphics}
63      \begin{block}{An important graph}
64          \begin{center}
65              \includegraphics[width=.8\textwidth]{example-image-a}
66          \end{center}
67      \end{block}
68  \end{frame}
69
70 \end{document}
```

Further readings:

- LATEX for Linguists http://cl.indiana.edu/~md7/08/latex/slides.pdf

- Using LaTeX in Linguistics
https://www.linguisticsociety.org/content/using-latex-linguistics