LaTeX Workshop: Useful Packages

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Introduction to Useful Packages

LaTeX packages extend the functionality of your document. Here are some essential packages you can use to enhance your LaTeX skills.

Math with `amsmath`

The `amsmath` package allows you to write aligned and complex math formulas.

```
\begin{align}
x^2 + y^2 &= z^2 \\
E &= mc^2
\end{align}
```

—

Hyperlinks with `hyperref`

You can easily add clickable hyperlinks in your document using the `hyperref` package. For example: Click this link

```
\href{https://youtu.be/dQw4w9WgXcQ?si=_6pb5J2xQoMNWOeA}{Click this link}
```

—

Code Listings with `listings`

The `listings` package is perfect for including code in your document.

```
\begin{lstlisting}[language=Python]
def hello():
    print("Hello, World!")
\end{lstlisting}
```

—

Colored Boxes with `tcolorbox`

Highlight sections of your document with colored boxes.

This is an important note in a colored box!