Presentation using LATEX Beamer

Dongjin Kim

Computer Science and Software Engineering
Auburn University

July 2, 2010

Contents

Table
Figure
Q and A

Step1: Create a basic table with text-align
Step2: Draw lines
Step3: Wrap text
Step 4: Span multiple columns and rows
Step 4: Resize a table
Step 5: Put a caption

Contents

1. Table
   - Step1: Create a basic table with text-align
   - Step2: Draw lines
   - Step3: Wrap text
   - Step 4: Span multiple columns and rows
   - Step 4: Resize a table
   - Step 5: Put a caption

2. Figure
   - Step1: Insert a simple figure
   - Step2: Put a caption

3. Q and A

Table
Figure
Q and A

Step1: Create a basic table with text-align
Step2: Draw lines
Step3: Wrap text
Step 4: Span multiple columns and rows
Step 4: Resize a table
Step 5: Put a caption

Step 1 : Create a basic table with text-align

```
left    left    left    centered    right        \begin{tabular}{ l l l c r }
left    left    left    centered    right          left & left & left & centered & right \\
left    left    left    centered    right          left & left & left & centered & right \\
                                                    left & left & left & centered & right \\
                                                  \end{tabular}

left    left    left    centered    right        \begin{tabular}{ l*{3} c r }
left    left    left    centered    right          left & left & left & centered & right \\
left    left    left    centered    right          left & left & left & centered & right \\
                                                    left & left & left & centered & right \\
                                                  \end{tabular}
```

Table
Figure
Q and A

Step1: Create a basic table with text-align
Step2: Draw lines
Step3: Wrap text
Step 4: Span multiple columns and rows
Step 4: Resize a table
Step 5: Put a caption

Step 2 : Draw lines

1	2	3
4	5	6
7	8	9

```
\begin{tabular}{ l | c || r | }
  \hline
  1 & 2 & 3 \\
  \hline
  4 & 5 & 6 \\
  7 & 8 & 9 \\
  \hline
\end{tabular}
```

1	2	3
4	5	6
7	8	9

```
\begin{tabular}{ l | c || r | }
  \hline
  1 & 2 & 3 \\
  \cline{1-2}
  4 & 5 & 6 \\
  7 & 8 & 9 \\
  \cline{1-1}
\end{tabular}
```

Table
Figure
Q and A

Step1: Create a basic table with text-align
Step2: Draw lines
Step3: Wrap text
Step 4: Span multiple columns and rows
Step 4: Resize a table
Step 5: Put a caption

Step 3 : Wrap text

1	2	This line should be wrapped, blah blah blah blah blah blah b
4	5	
7	8	

1	2	This line should be wrapped, blah blah blah blah blah blah blah blah blah blah blah blah
4	5	6
7	8	9

```
\begin{tabular}{| l | c || p{5cm} | }
%%%p{width} paragraph column with
%%%text vertically aligned at the top
%%%m : middle, b : bottom
  \hline
  1 & 2 & This line should be wrapped,
  blah blah blah blah blah blah blah
  blah blah blah blah blah \\
  \hline
  4 & 5 & 6 \\
  \hline
  7 & 8 & 9 \\
  \hline
\end{tabular}
```

Table
Figure
Q and A

Step1: Create a basic table with text-align
Step2: Draw lines
Step3: Wrap text
Step 4: Span multiple columns and rows
Step 4: Resize a table
Step 5: Put a caption

Step 4 : Span multiple columns and rows

Spanned columns		
1	2	3
4	5	6
7	8	9

```
\begin{tabular}{| l | c || r | }
  \hline
  \multicolumn{3}{|c|}{Spanned columns} \\
  \hline
  1 & 2 & 3 \\
  \hline
  4 & 5 & 6 \\
  \hline
  7 & 8 & 9 \\
  \hline
\end{tabular}
```

```
\usepackage{multirow}
```

Spanned rows	2	3
	5	6
7	8	9

```
\begin{tabular}{| l | c || r | }
  \hline
  \multirow{2}{*}{Spanned rows} & 2 & 3\\
%%%\multirow{num_rows}{width}{contents}
%%%'*' in witdh means using natural width
  \cline{2-3}
                              & 5 & 6 \\
  \hline
  7 & 8 & 9 \\
  \hline
\end{tabular}
```

Table
Figure
Q and A

Step1: Create a basic table with text-align
Step2: Draw lines
Step3: Wrap text
Step 4: Span multiple columns and rows
Step 4: Resize a table
Step 5: Put a caption

Step 4 : Resize a table

Spanned columns		
1	2	3
4	5	6
7	8	9

```
\begin{tabular}{| l | c | r | }
  \hline
  \multicolumn{3}{|c|}{Spanned columns} \\
  \hline
  1 & 2 & 3 \\
  \hline
  4 & 5 & 6 \\
  \hline
  7 & 8 & 9 \\
  \hline
\end{tabular}
```

Spanned columns		
1	2	3
4	5	6
7	8	9

```
\resizebox{4cm}{2cm}{
\begin{tabular}{| l | c | r | }
  \hline
  \multicolumn{3}{|c|}{Spanned columns} \\
  \hline
  1 & 2 & 3 \\
  \hline
  4 & 5 & 6 \\
  \hline
  7 & 8 & 9 \\
  \hline
\end{tabular}
}
```

Table
Figure
Q and A

Step1: Create a basic table with text-align
Step2: Draw lines
Step3: Wrap text
Step 4: Span multiple columns and rows
Step 4: Resize a table
Step 5: Put a caption

Step 5 : Put a caption

Table: Sample caption

Paint alternately		
1	2	3
4	5	6
7	8	9

```
\begin{table}
\caption{sample caption}
  \begin{tabular}{| l | c | r | }
    \hline
    \multicolumn{3}{|c|}{Paint alternately} \\
    \hline
    1 & 2 & 3 \\
    \hline
    4 & 5 & 6 \\
    \hline
    7 & 8 & 9 \\
    \hline
  \end{tabular}

\end{table}
```

Contents

1. Table
   - Step1: Create a basic table with text-align
   - Step2: Draw lines
   - Step3: Wrap text
   - Step 4: Span multiple columns and rows
   - Step 4: Resize a table
   - Step 5: Put a caption

2. Figure
   - Step1: Insert a simple figure
   - Step2: Put a caption

3. Q and A

Step 1 : Insert a simple figure


```
\begin{figure}[h!]
%%% h:place here
%%% t:place at the top
%%% b:place at the bottom
\centering
\includegraphics[width=4cm]{image1.png}
\end{figure}
```

Step 2 : Put a caption

Figure: Top Caption

Figure: Bottom Caption

```
\begin{figure}[h!]
\centering
\caption{Top Caption}
\includegraphics[width=4cm]{image1.png}
\caption{Bottom Caption}
\end{figure}
```

Contents

Q and A

Any Questions?