

L^AT_EX: A Basic Overview

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Contents

1 Font Weights

This section is mainly **to be used** *when figuring out how to apply weights to text* Please **NOTE** that "`\textit`" is only used when the text is only ever supposed to be underlined

If you mean to emphasise text, then use "`\emph`" instead. It is also good to note that to use proper "" marks, you must actually use two " ' "s. "This is a quotation"

Labels and References

Let's say you want to reference Section 2 (Lists). So you say something like "just like how it was done in section 2 Lists". However, what if you then change the positioning of section 2 Lists and the result is that it is now section 3 lists? Then you would have to find ever where in your document where you referenced "Section 2 Lists" and rename it.

Let's fix that with `\label` and `\ref`. and reference Lists in section 2. Aha! See what I did there? No matter where Section 2 moves to, it will always be referened correctly!

Note: You will have to compile twice. Upon the first compilation, there will a ?? in place of the actual number. This is also nice when referencing things in lists. I don't know which number "Bread" might be when the final version of this is complete, but I can reference it here: 1. Well, check for your self. Is Bread in part 1 of Ordered Lists, which by the way is in **section 2.1**.

2 Lists

2.1 Ordered Lists

1. Bread
2. Butter

2.2 Non Ordered Lists

- one
- two

2.3 Nested Lists

1. dog
 - (a) big dog
 - (b) small dog
2. cat
 - Loud cat
 - Quiet Cat

3 Images

3.1 Non Wrapped

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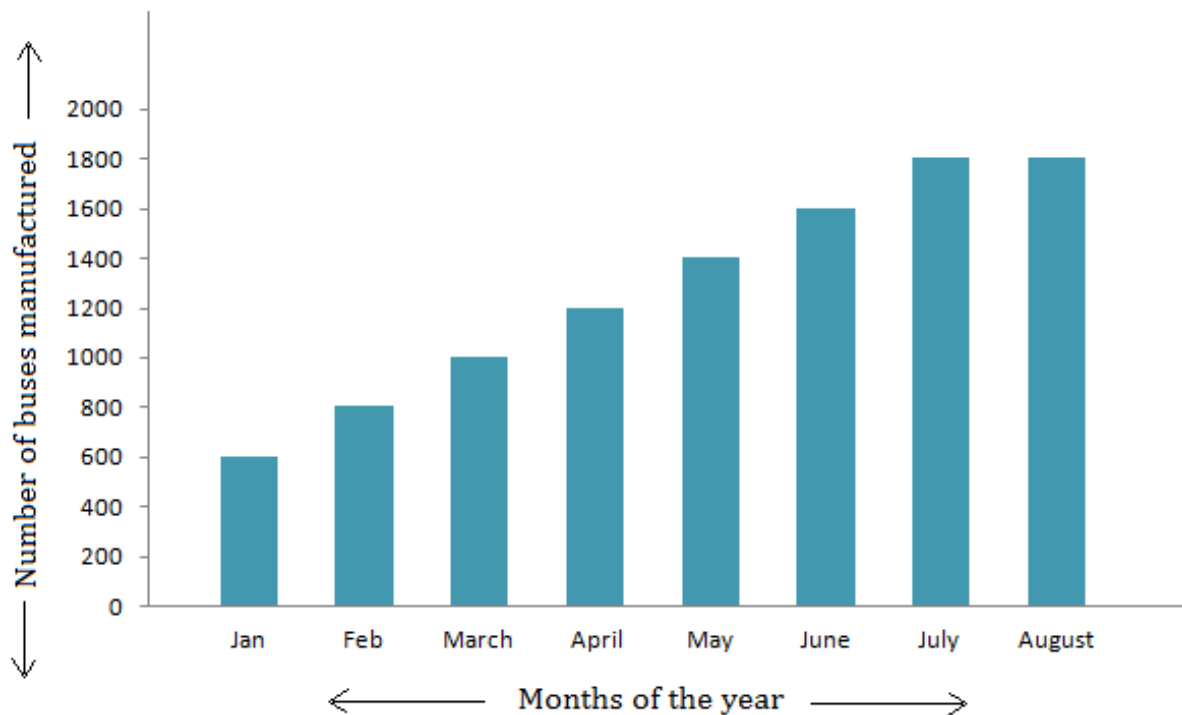


Figure 1: No Wrap Image

3.2 Wrapped

This is how you would wrap text around the picture. However, I can't seem to get it to work. It would require a lot more knowledge about L^AT_EX to fix than I currently have. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

This is how you would wrap text around the picture.

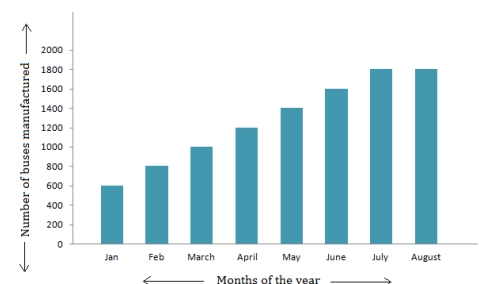
[illegible]

Figure 2: Image Wrapped to the Right

4 Links

4.1 Anchors: Links Within a Document

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4.2 URLs

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4.3 Local Files

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5 Code Blocks

Listing 1: Rust Example

```
fn main()
{
    hello("Tyler");
}

fn hello(name: &str)
{
    println!("Hello {name}!");
}
```

5.1 Code Blocks Using New Environment!!!

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6 Colored Boxes

```
#include <stdio.h>

printf("HELLO WORLD!");
```

Most Basic Box I'd Use

This is a box with a title.

Basic Box Macro

Hey Hello There how are you doing?

Colored Box With Title

This is a box with a title.

Horizontal split

This is the top part.

This is the bottom part

Vertical split

This is the leftside.

This is the right side.