# ReXLlenT

ReXLlenT is a typst package that helps you convert Excel **xlsx** tables to typst tables, powered by wasm. (Formerly eXMLlent.) The **R** in ReXLlenT stands for *Rust*, the language that wasm plugin is written in. **XL** stands for *Excel*, and **T** stands for the wonderful *Typst*.

#### **Ouick Start**

Start by importing the package:

```
1 #import "@preview/rexllent:0.2.2": xlsx-parser
```

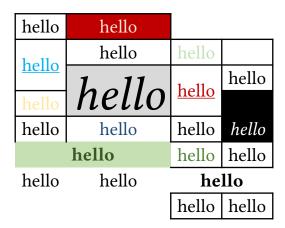
Then you can use xlsx-parser function to convert your xlsx Excel table to typst table.

# Example & Usage

#### sheet-index

By passing sheet-index parameter, you can specify the sheet index to parse. The default value is 0.

```
1 #xlsx-parser(read("test.xlsx", encoding: none), sheet-index: 0)
```



#### **Parameters to Customize Output Table**

By toggling parameters below, you can customize the output table:

- parse-table-style: Parse table style(columns width, rows height), default is false.
- parse-alignment: Parse cell content alignment, default is true.
- parse-stroke: Parse cell stroke, default is true.
- parse-fill: Parse cell fill, default is true.
- parse-font: Parse font style, default is true.

Here is an example with all parameters set to default values:

```
1 #xlsx-parser(
2 read("test.xlsx", encoding: none),
3 )
```

```
hello
           hello
           hello
<u>hello</u>
                             hello
       hello
                      <u>hello</u>
          hello
                             hello
hello
                      hello
       hello
                      hello hello
hello
           hello
                         hello
                      hello | hello
```

And examples with each parameter set to the opposite value:

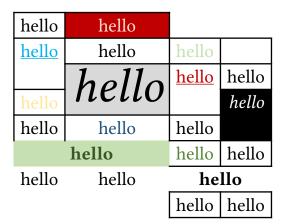
1. parse-table-style: true

```
1 #xlsx-parser(
2  read("test.xlsx", encoding: none),
3  parse-table-style: true,
4 )
```

hello	hello		
halla	hello	hello	
<u>hello</u>			hello
hello	hello	<u>hello</u>	
hello	hello	hello	hello
hello		hello	hello
hello	hello	hello	
		hello	hello

2. parse-alignment: false

```
1 #xlsx-parser(
2  read("test.xlsx", encoding: none),
3  parse-alignment: false,
4 )
```



3. parse-stroke: false

```
1 #xlsx-parser(
2  read("test.xlsx", encoding: none),
3  parse-stroke: false,
4 )
```

hello	hello		
hello	hello	hello	
	111 -	hello	hello
hello	hello	<u>116110</u>	
hello	hello	hello	hello
hello		hello	hello
hello	hello	hello	
		hello	hello

4. parse-fill: false

```
1 #xlsx-parser(
2  read("test.xlsx", encoding: none),
3  parse-fill: false,
4 )
```

hello	hello		
hello	hello	hello	
	1, 11,	hello	hello
hello	hello	<u>116110</u>	
hello	hello	hello	
hello		hello	hello
hello	ello hello		llo
		hello	hello

5. parse-font: false

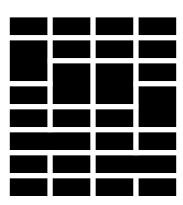
```
1 #xlsx-parser(
2  read("test.xlsx", encoding: none),
3  parse-font: false,
4 )
```

hello	hello		
hello	hello	hello	hello
пепо		hello	hello
hello	hello	пепо	
hello	hello	hello	
hello		hello	hello
hello	hello	hello	
		hello	hello

#### **Extra Parameters**

You can also customize the table style by passing arguments to the table. Here is an example:

```
1 #xlsx-parser(
2    read("test.xlsx", encoding: none),
3    parse-table-style: false,
4    parse-alignment: false,
5    parse-stroke: false,
6    parse-fill: false,
7    parse-font: false,
8    // args below will be passed to the table
9    fill: black,
10    stroke: 4pt + white,
11 )
```



## Limitations

- Only supports xlsx format.
- Not yet implemented in-cell image parsing.
- Cannot detect special characters in typst, which may cause parsing errors.

### **Credits**

- lublak/typst-spreet-package
- MathNya/umya-spreadsheet

# License

This package is licensed under the MIT License.

Have fun with ReXLlenT! 🎉