

L^AT_EX SEMINAR: TABLES

L^AT_EX has amazing table producing capabilities. Tables are produced with the `tabular` environment. The syntax is

```
\begin{tabular}[pos]{cols},
```

where `pos` has one of the values `t`, `b` or is left empty. These determine the overall alignment of the table relative to the surrounding text, and should be experimented with. The column formatting argument `cols` is a little complex. There must be an entry for every column, consisting of one of `c`, `r`, `l` which indicate the alignment (center, right, or left) of the data in the column, as well as certain optional formatting commands, the most common of which are the symbols `|` and `||` which produce a vertical line and a double vertical line wherever they appear. Rows are then entered using the alignment tabs `&` to separate columns and line breaks `\\` to indicate the end of a row. Unlike columns, the number of rows does not have to be pre-specified. Observe that table data can consist of text or math or both.

Take a look at the code for the following tables in the file `tables.tex` and edit as you wish. There are some commands to keep in mind:

0.1. **multicolumn.** The command `\multicolumn{num}{cols}{input}` joins together `num` columns, aligning the input according to the parameters `cols`, which can be any one of `r`, `l`, `c` together with `|`, `||` as above.

0.2. **hline, cline.** The command `\hline` produces a horizontal line extending across the entire table. It can only be issued after a line break `\\`. The command `\cline{n-m}` draws a horizontal line from the left side of column `n` to the right side of column `m`. It may only be issued after a line break, and several can be issued at once.

0.3. **Table Parameters.** There are several parameters that can be altered. The most useful of these is `\arraystretch`, which may be altered by issuing the command (either locally or globally) `\renewcommand{\arraystretch}{factor}`, where `factor` indicates how much to stretch the spacing in the table. Its standard value is 1.

TIME	9-10	10-11	11-12	12-1	1-2	2-3	3-4
SUN.	sleep						
MON.	Analysis	Topology	Alg. Geometry	Lunch	Algebra		
TU.	<i>grading!</i>			Lunch	CFT.		
WED.	Analysis	Topology	Alg. Geometry	Lunch	Algebra		
THU.	<i>grading!</i>			Lunch	CFT.		
FRI.	Analysis	Topology	Alg. Geometry	Lunch	Algebra		
SAT.	party!!						

Day	9:10–10:00 am		10:10–11:00 am		11:10–12:00 pm	
	Subj.	Teacher	Subj.	Teacher	Subj.	Teacher
		Room		Room		Room
Mon.	Analysis.	Barrett	Topology.	Lott	Geometry.	Hacking
		3088 EH.		4096 EH.		2074 EH.
Wed.	Analysis.	Barrett	Topology.	Lott	Geometry.	Hacking
		3088 EH.		4096 EH.		2074 EH.
Fri.	Analysis.	Barrett	Topology.	Lott	Geometry.	Hacking
		3088 EH.		4096 EH.		2074 EH.

I was too lazy to format Tuesday and Thursday, so it's left as an exercise.