3 // *Lots* of useful formatting functions for cell values.

We can format numbers, dates, and strings with a large set of very flexible and easy-to-use functions.

Super Quick Overview of the **gt** Package (**5** things)

```
fmt_number()
fmt_integer()
fmt_scientific()
fmt_engineering()
fmt_percent()
fmt_partsper()
fmt_fraction()
fmt_currency()
fmt_roman()
fmt_index()
fmt_spelled_num()
fmt_bytes()
```

fmt_date()
fmt_time()
fmt_datetime()
fmt_duration()
fmt_bins()
fmt_markdown()
fmt_units()
fmt_url()
fmt_image()
fmt_flag()
fmt_icon()
fmt_passthrough()
fmt_auto()
fmt()

`fmt_percent()`

Value
1.2%
30.3%
1,023%
34,502.4%
−7,900,345%
9.2%

`fmt_scientific()`

Value
1.20
3.03×10^{1}
1.02×10^{3}
3.45×10^{4}
-7.90×10^{6}
9.23

`fmt_integer()`

Value
1
30
1,023
34,502
−7,900,345
9

fmt_number()

Value
1.20
30.30
1,023.00
34,502.40
−7,900,345.00
9.23

`fmt_currency()`

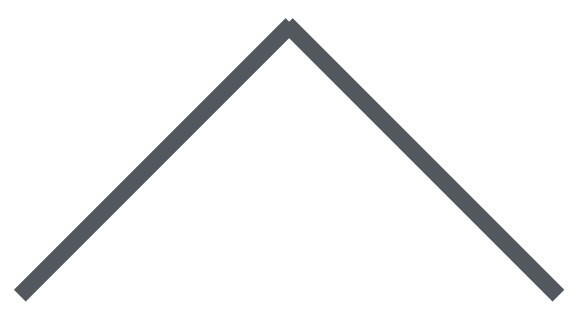
Value
£1.20
£30.30
£1,023.00
£34,502.40
−£7,900,345.00
£9.23

fmt_bytes()
Value
1 B
30 B
1 kB
34.5 kB
−7.9 MB
9 B

`pattern=` arg
Value
<1 B>
<30 B>
<1 kB>
<34.5 kB>
<–7.9 MB>
<9 B>

UNFORMATTED

Value
1.2
30.3
1023
34502.4
-7900345
9.23



Super Quick Overview of the **gt** Package (**5** things)

3 // *Lots* of useful formatting functions for cell values.

We can format numbers, dates, and strings with a large set of very flexible and easy-to-use functions.

UNFORMATTED	fmt_number()	fmt_integer()	fmt_scientific()	fmt_percent()	fmt_currency()	fmt_bytes()	pattern= arg
Value	Value	Value	Value	Value	Value	Value	Value
1.2	1.20	1	1.20	1.2%	£1.20	1 B	<1 B>
30.3	30.30	30	3.03×10^{1}	30.3%	£30.30	30 B	<30 B>
1023	1,023.00	1,023	1.02×10^{3}	1,023%	£1,023.00	1 kB	<1 kB>
34502.4	34,502.40	34,502	3.45×10^{4}	34,502.4%	£34,502.40	34.5 kB	<34.5 kB>
-7900345	–7,900,345.00	–7,900,345	-7.90×10^{6}	–7,900,345%	–£7,900,345.00	–7.9 MB	<–7.9 MB>
9.23	9.23	9	9.23	9.2%	£9.23	9 B	<9 B>

Super Quick Overview of the **gt** Package (**5** things)

4 // Methods for restructuring table data.

We are able to express how **gt** tables are structured.
Some rearrangements happen automatically but manual control is available.

- columns gathered together when placed under a column spanner

Column 1	Column 2	Column 3
23.42	–	15.24
63.90	21.34	43.70
—	61.93	26.00
1.29	17.60	15.58
–28.02	–10.55	–5.23
86.92	65.23	47.25

	Column Spanner	
Column 1	Column 3	Column 2
23.42	15.24	–
63.90	43.70	21.34
—	26.00	61.93
1.29	15.58	17.60
–28.02	–5.23	–10.55
86.92	47.25	65.23

- move columns manually

Column 1	Column 2
23.42	–
63.90	21.34
—	61.93
1.29	17.60
–28.02	–10.55
86.92	65.23