



✓ **Congratulations! You passed!**

TO PASS 80% or higher

Keep Learning

GRADE
100%

Line plots quiz

TOTAL POINTS 5

1. Say you are starting with a `ggplot()` command that looks like this,

1 / 1 point

```
ggplot(my_data,aes(y=variable1,x=time))
```

where `variable1` is a continuous numeric variable and `time` is a set of years from 1999 to 2000. You want a line plot that tracks the value of `variable1` across these years.

What do you add to draw the line that will connect `variable1` values across years?

- ☒ `+geom_line()`
- ☐ `+geom_lineplot()`
- ☐ `+geom_time_series()`

✓ **Correct**
Correct!

2. Say you have data that looks like this, saved to the object `my_dat`:

1 / 1 point

time	unit	value
1	a	5
1	b	10
2	a	6
2	b	9
3	a	7
3	b	8

Which is a correct series of functions for creating a line plot with `time` on the x-axis, `value` on the y-axis, and two different lines on the same plot for `unit a` and `unit b`?

- ☐ `ggplot(my_data,aes(x=time,y=value))+`
`geom_line()`
- ☐ `ggplot(my_data,aes(x=time,y=value))+`
`geom_lines(unit)`
- ☒ `ggplot(my_data,aes(x=time,y=value,group=unit))+`
`geom_line()`

✓ **Correct**
Correct!

3. Say you have data that looks like this, saved to the object `my_dat`:

1 / 1 point

time	unit	value
1	a	5
1	b	10
2	a	6
2	b	9
3	a	7
3	b	8

Which is a correct series of functions for creating a line plot with `time` on the x-axis, `value` on the y-axis, and two different lines *with different colors* on the same plot for `unit a` and `unit b`?

- ☐ `ggplot(my_data,aes(x=time,y=value,group=unit))+`
`geom_line(color=TRUE)`

☒ `ggplot(my_data,aes(x=time,y=value,group=unit,color=unit))+`
`geom_line()`

☐ `ggplot(my_data,aes(x=time,y=value,lines=unit,colors="red","blue"))+`
`geom_line()`

✓ **Correct**
Correct!

4. Say you have data that looks like this, saved to the object `my_dat`:

1 / 1 point

time	unit	value
1	a	5
1	b	10
2	a	6
2	b	9
3	a	7
3	b	8

Which is a correct series of functions for creating a line plot with time on the x-axis, value on the y-axis, and two different plots, one with a line for unit a and another with a line for unit b?

☒ `ggplot(my_data,aes(x=time,y=value))+`
`geom_line()+`
`facet_wrap(~unit)`

☐ `ggplot(my_data,aes(x=time,y=value))+`
`geom_line(facet="unit")`

☐ `ggplot(my_data,aes(x=time,y=value,facet=unit))+`
`geom_line()`

✓ **Correct**
Correct!

5. Say you have data that looks like this, saved to the object `my_dat`:

1 / 1 point

time	unit	value
1	a	5
1	b	10
2	a	6
2	b	9
3	a	7
3	b	8

Which is a correct series of functions for creating a line plot with time on the x-axis, value on the y-axis, and two different lines *with different styles*, one with a line for unit a and another with a line for unit b?

☐ `ggplot(my_data,aes(x=time,y=value))+`
`geom_line(format="switch")`

☐ `ggplot(my_data,aes(x=time,y=value))+`
`geom_line(type=unit)`

☒ `ggplot(my_data,aes(x=time,y=value,linetype=unit))+`
`geom_line()`

✓ **Correct**
Correct!