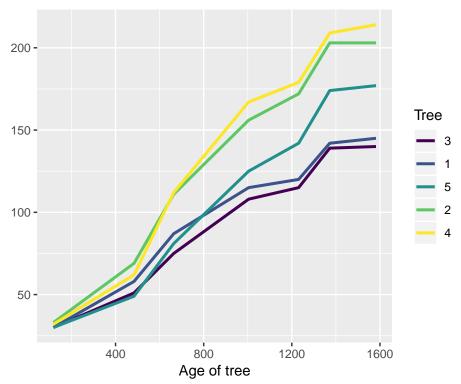
Using grattantheme

When creating a chart in R you have to:

- Choose a dataset;
- Map variables to chart aesthetics aes();
- Choose a geom_.

For example, using the Orange dataset tracking the growth of five orange trees by age:

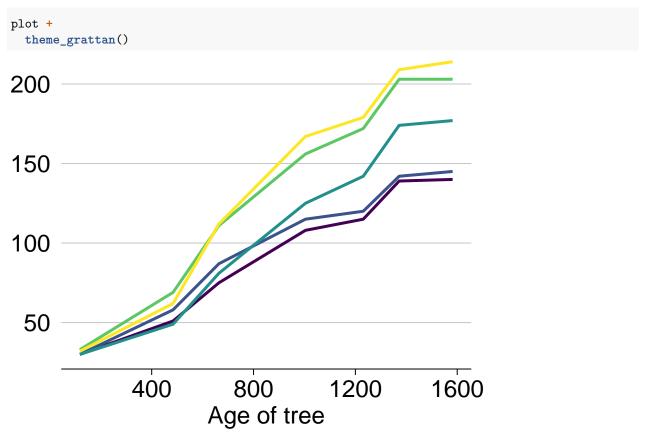
This successfully plots the data we want to plot:



But it doesn't *look* like a Grattan chart. To adjust the *look* we use theme elements, like axis.ticks.x = element_line(colour = "black") to adjust the axis tickmarks on the x axis, and panel.grid.major.x = element_blank() to turn off vertical gridlines, and so on, and on, and on.

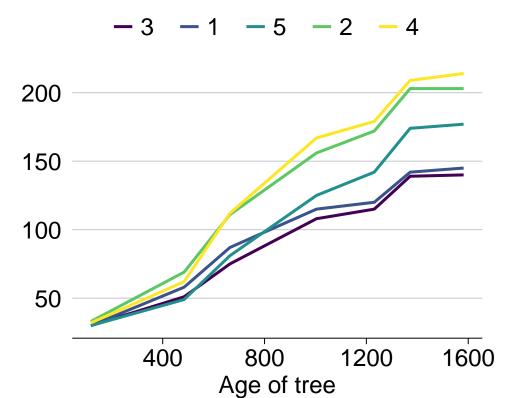
The function theme_grattan() contains all of the Grattan style-guide elements in one handy command. Combined with grattan_colour_manual to easily change colours of aesthetics, your R chart will be ready for a report or a slide in no time.

Formatting theme elements with theme_grattan()



By default, theme_grattan() supresses the legend to allow for clearer on-chart labelling. We can include the legend with the legend argument, which takes "off", "top", "bottom", "left" or "right":

```
plot +
theme_grattan(legend = "top")
```

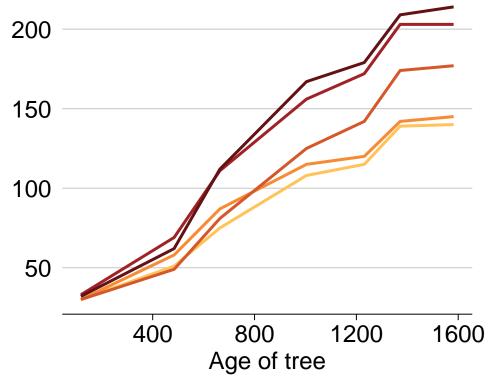


Using Grattan colours

Grattan's colours are loaded with grattantheme. It has all the classics: ...

We can use the $grattan_colour_manual$ function to change the colours of our colour aesthetic. In our example, we have five different trees each represented by a colour, so we set the number of colours to five $grattan_colour_manual(n = 5)$:

```
plot +
theme_grattan() +
grattan_colour_manual(n = 5)
```



We can reverse the order of the colours using the reverse argument:

```
plot +
theme_grattan() +
grattan_colour_manual(n = 5, reverse = TRUE)
```

