

A Very Small Test

with xaringan

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This is a slide title

- with some bullet points under
- a second one
- even a third one
- maybe the text should be bigger

This is some R code

```
my_url="http://www.utsc.utoronto.ca/~butler/c32/soap.txt"  
soap=read_delim(my_url," ")
```

```
## Parsed with column specification:  
## cols(  
##   case = col_integer(),  
##   scrap = col_integer(),  
##   speed = col_integer(),  
##   line = col_character()  
## )
```

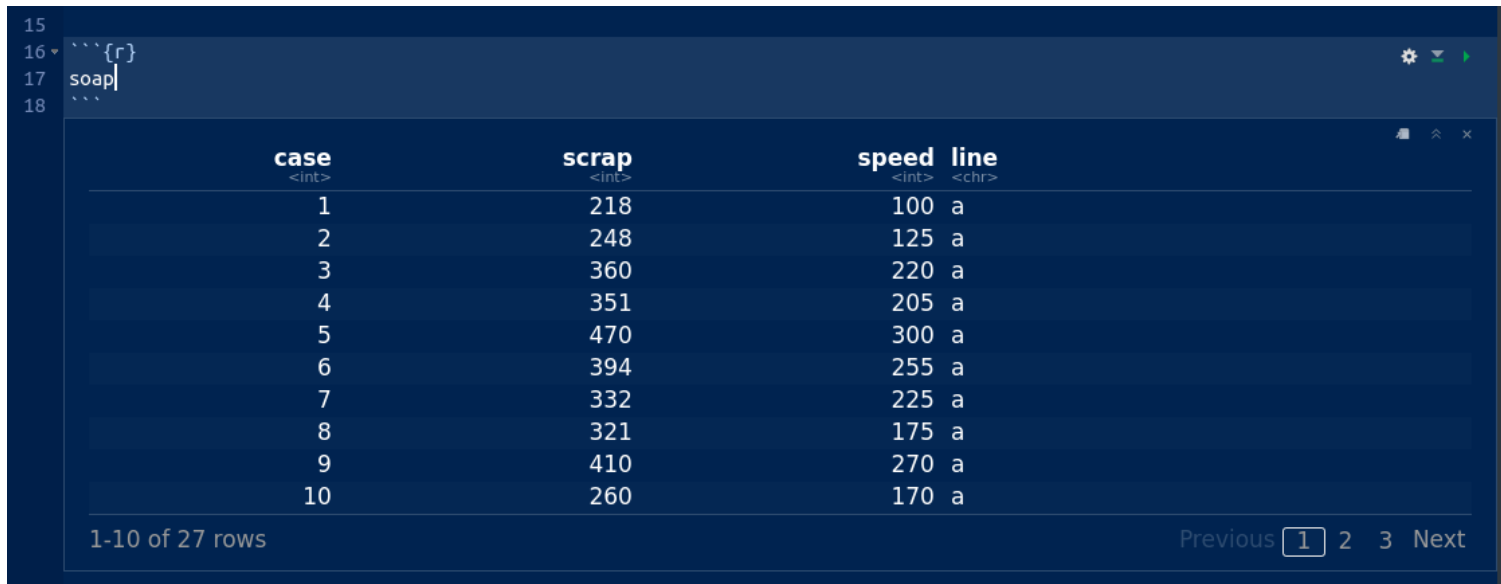
And this is the output it produces

```
soap
```

```
## # A tibble: 27 x 4
##       case scrap speed line
##   <int> <int> <int> <chr>
## 1     1     1   218   100 a
## 2     2     2   248   125 a
## 3     3     3   360   220 a
## 4     4     4   351   205 a
## 5     5     5   470   300 a
## 6     6     6   394   255 a
## 7     7     7   332   225 a
## 8     8     8   321   175 a
## 9     9     9   410   270 a
## 10    10    10   260   170 a
## # ... with 17 more rows
```

and here is what it looks like in R Studio

... after you click the "play button":



The screenshot shows the R Studio interface. The top pane contains R code: `15
16 {r}
17 soap
18`. The bottom pane displays a data table with 10 rows and 4 columns: **case** (type <int>), **scrap** (type <int>), **speed** (type <int>), and **line** (type <chr>). The data is as follows:

case <int>	scrap <int>	speed <int>	line <chr>
1	218	100	a
2	248	125	a
3	360	220	a
4	351	205	a
5	470	300	a
6	394	255	a
7	332	225	a
8	321	175	a
9	410	270	a
10	260	170	a

At the bottom of the table, it says "1-10 of 27 rows". On the right side, there are navigation buttons: "Previous", a box containing "1", "2", "3", and "Next".

Idea from Garrick Aden-Buie

```
my_url="http://www.utsc.utoronto
soap=read_delim(my_url," ")
soap
```

I'm not sure I like *this*, but it's a cool idea.

```
## Parsed with column specification:
## cols(
##   case = col_integer(),
##   scrap = col_integer(),
##   speed = col_integer(),
##   line = col_character()
## )
```

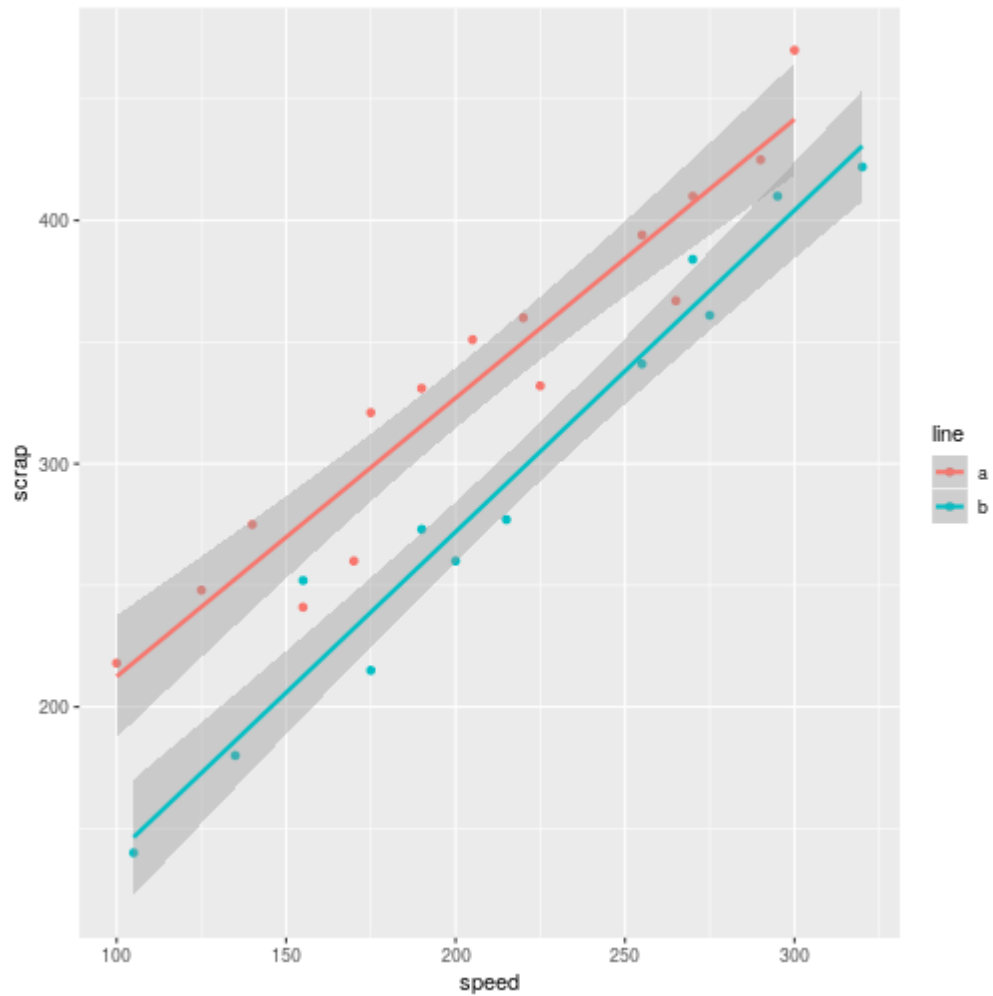
```
## # A tibble: 27 x 4
##   case scrap speed line
##   <int> <int> <int> <chr>
## 1     1     1   218   100 a
## 2     2     2   248   125 a
## 3     3     3   360   220 a
## 4     4     4   351   205 a
## 5     5     5   470   300 a
## 6     6     6   394   255 a
## 7     7     7   332   225 a
## 8     8     8   321   175 a
## 9     9     9   410   270 a
## 10    10    10   260   170 a
## # ... with 17 more rows
```

Making a plot

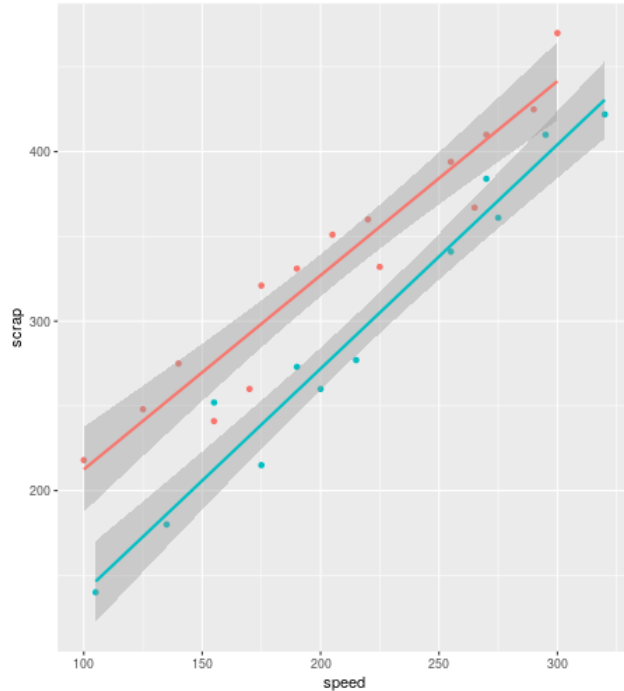
using the same "delayed output" thing:

```
ggplot(soap, aes(y=scrap, x=speed, colour=line))+  
  geom_point()+  
  geom_smooth(method="lm")
```

The plot



The plot, with comments



- the red line is above the blue one
- more scrap at any given speed on line A than line B
- scrap increases with speed (for both lines)
- two lines almost parallel: scrap increases with speed at same rate for both lines

Another way to do the same thing

... without the "envelopes" this time:

```
ggplot(soap, aes(y=scrap, x=speed, colour=line))+  
  geom_point()+  
  geom_smooth(method="lm", se=F)
```

The last line changed, so I highlighted it. (It took a bit of fiddling to get the alignment to work.)

and now to show it

