Make these plots

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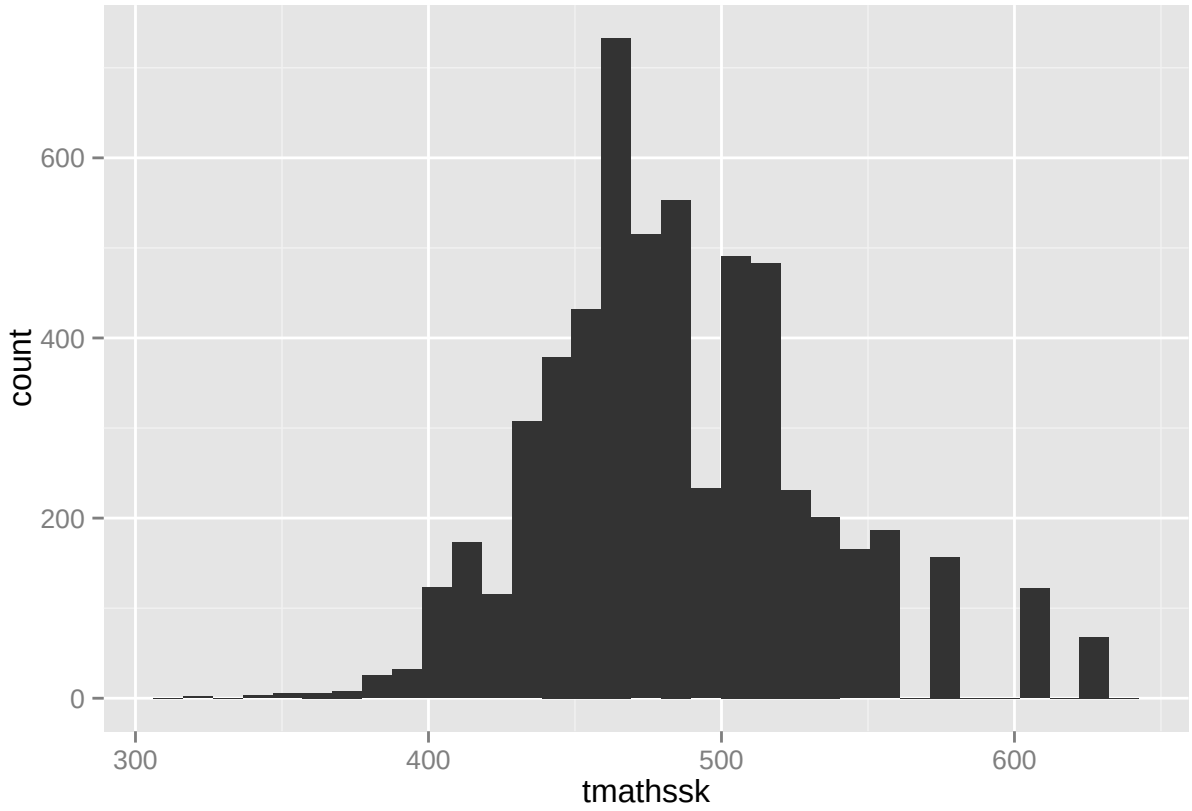
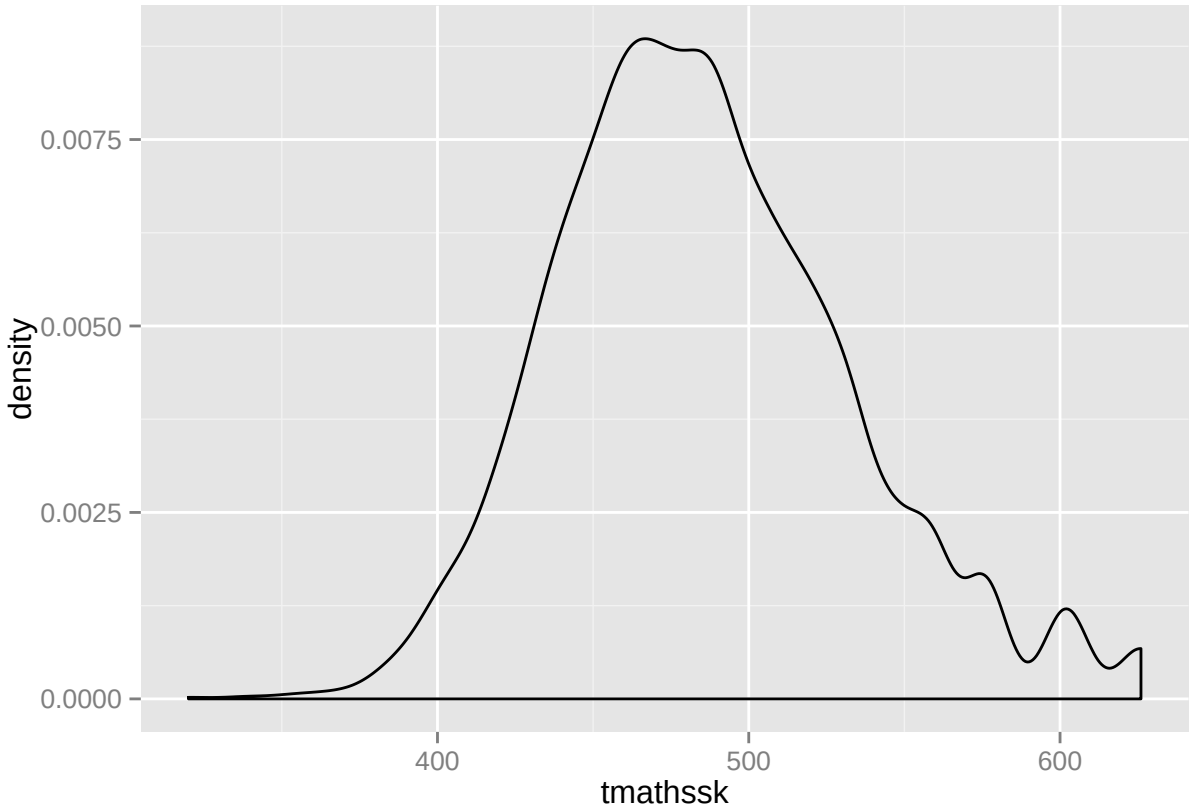
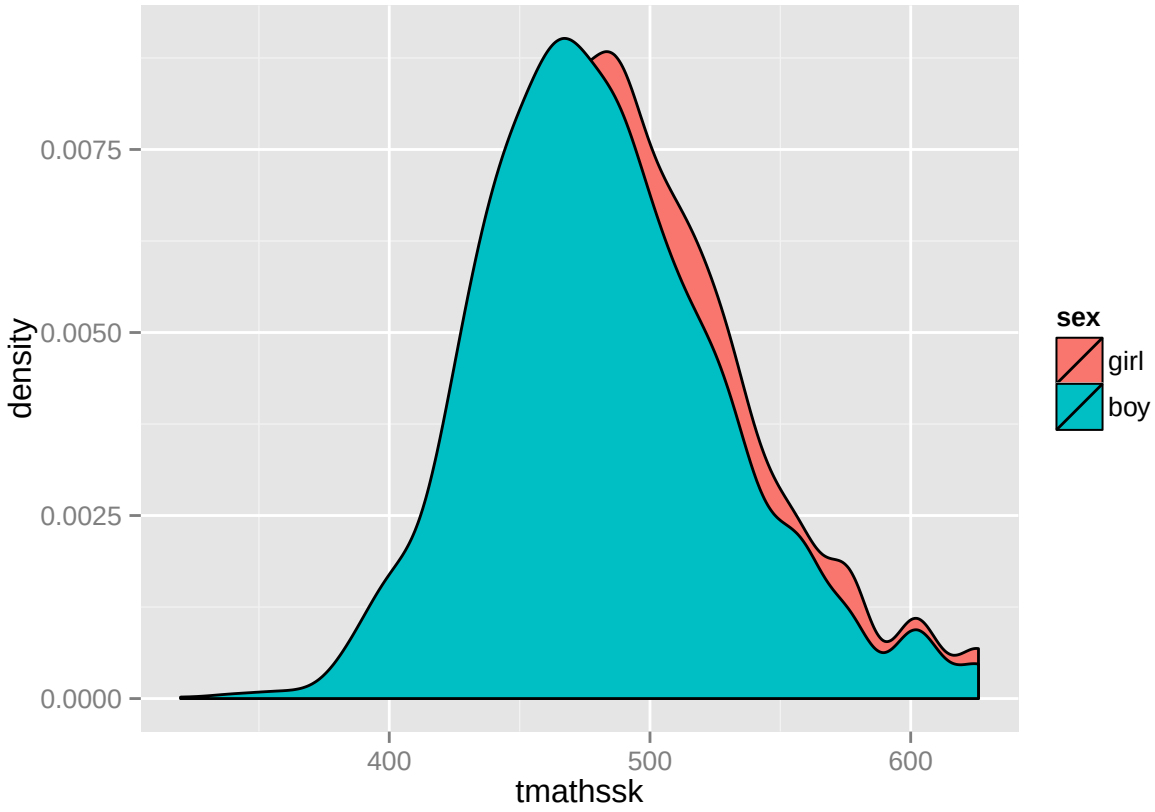
Make these plots

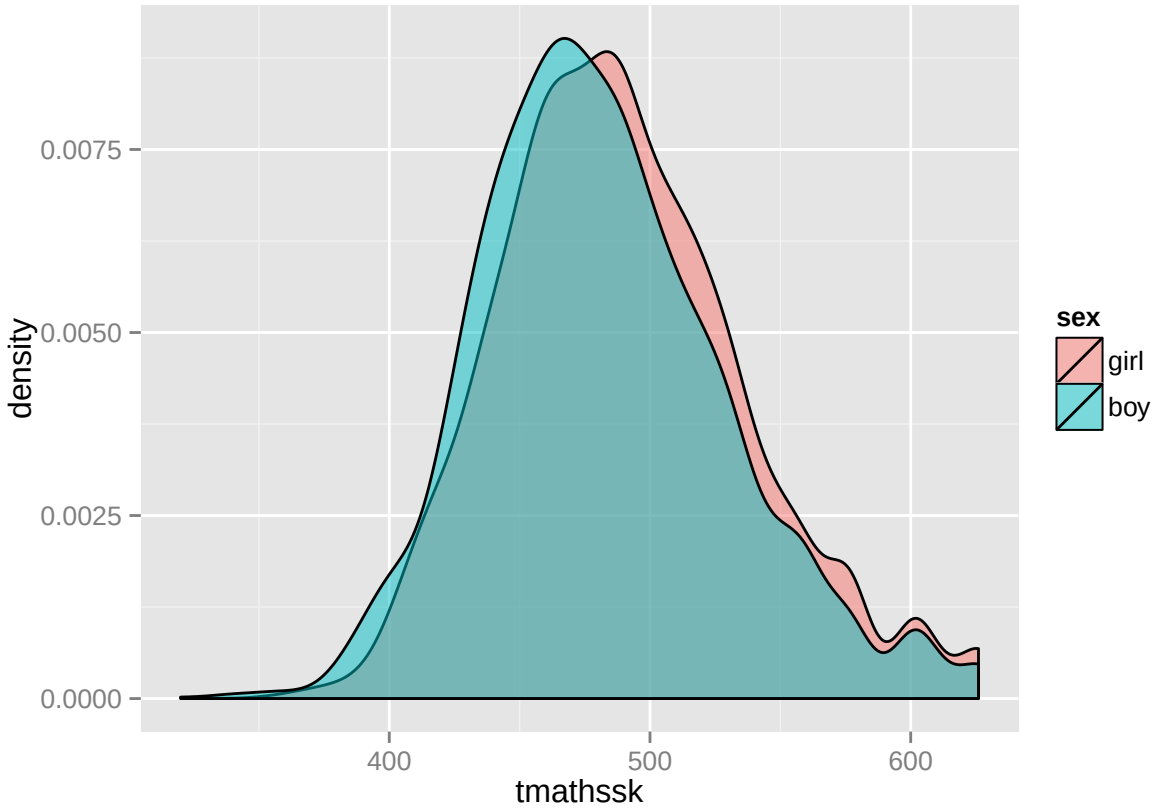
Use the Fair data in the Ecdat package Read about it here

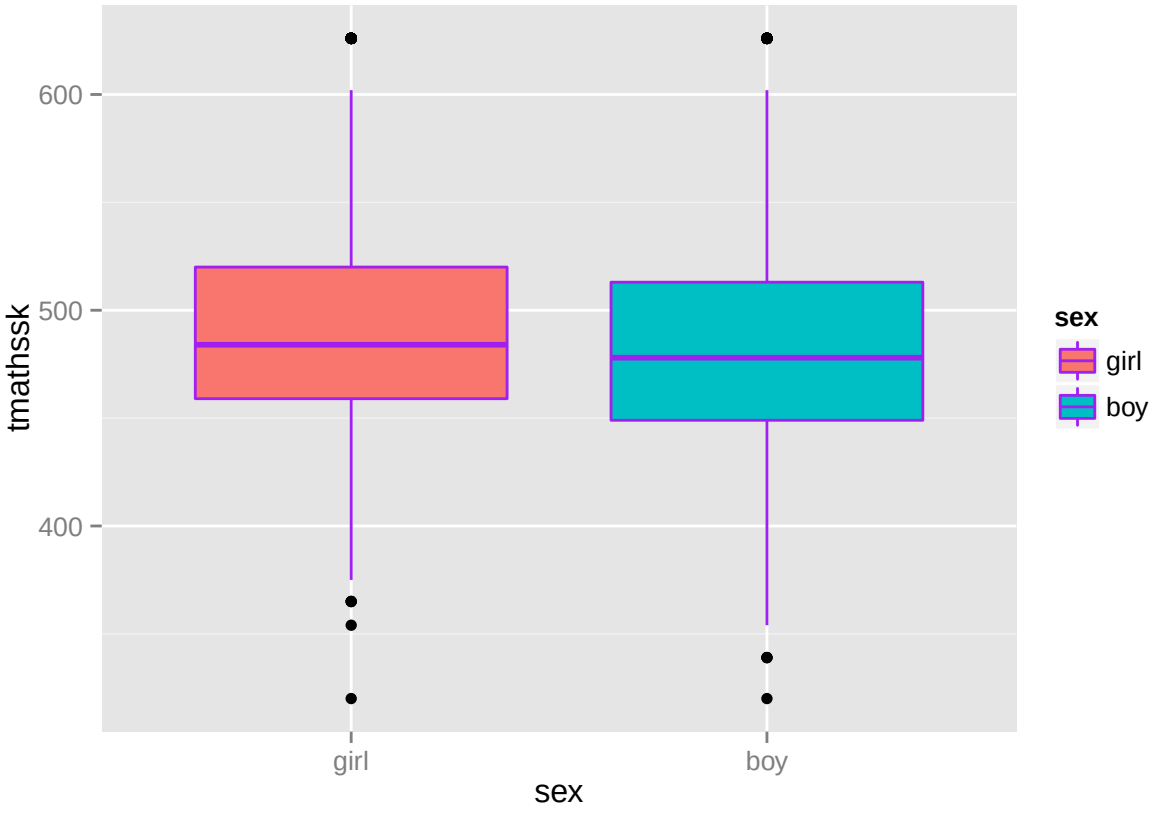
Part 1

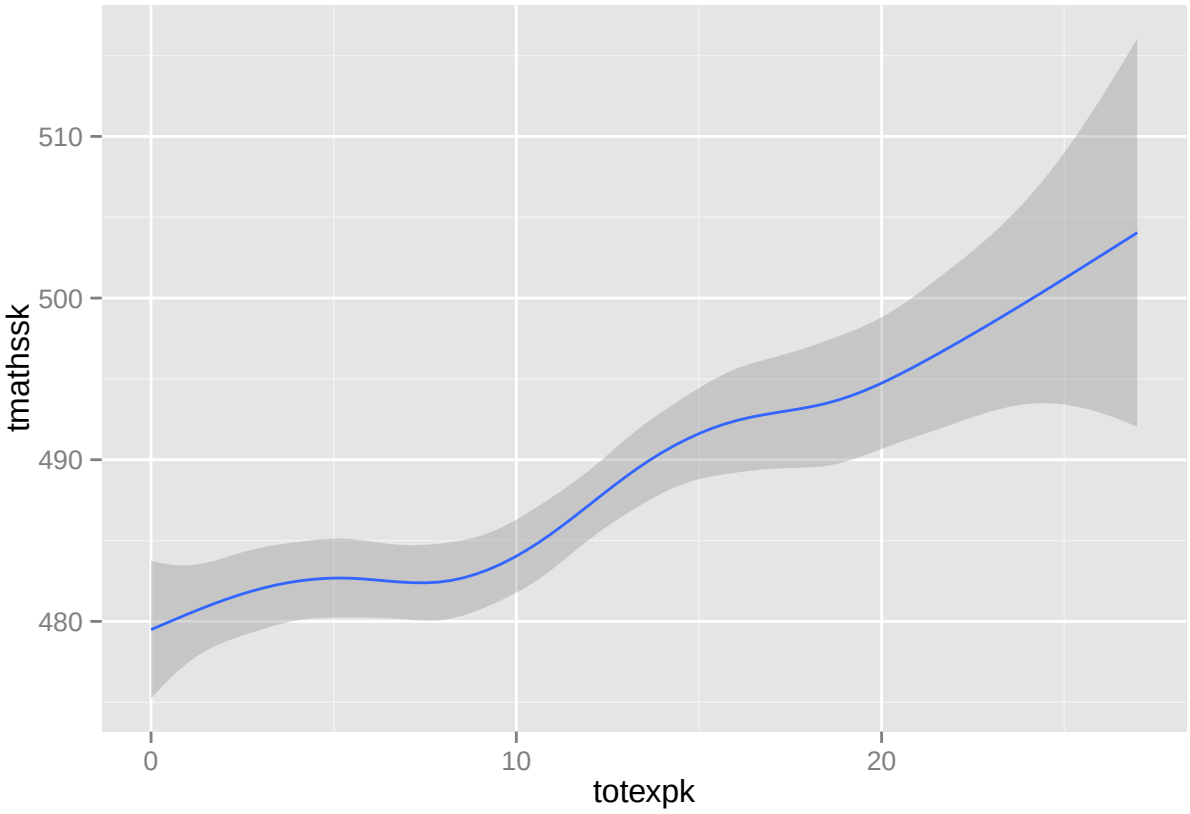

600
400
200
0
count
300
400
500
600
tmathssk

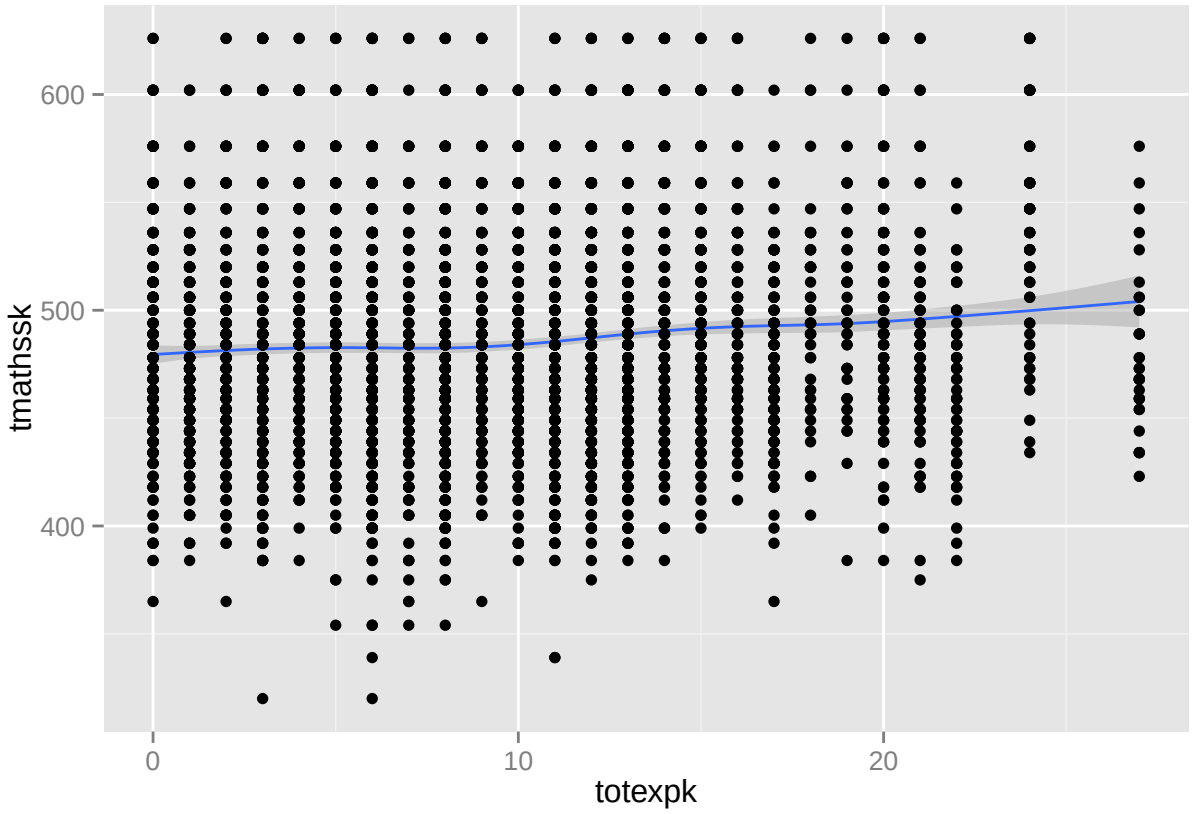

0.0075
0.0050
0.0025
0.0000
density
400
500
600
tmathssk


0.0075
0.0050
0.0025
0.0000
density
400
500
600
tmathssk
sex
girl
boy

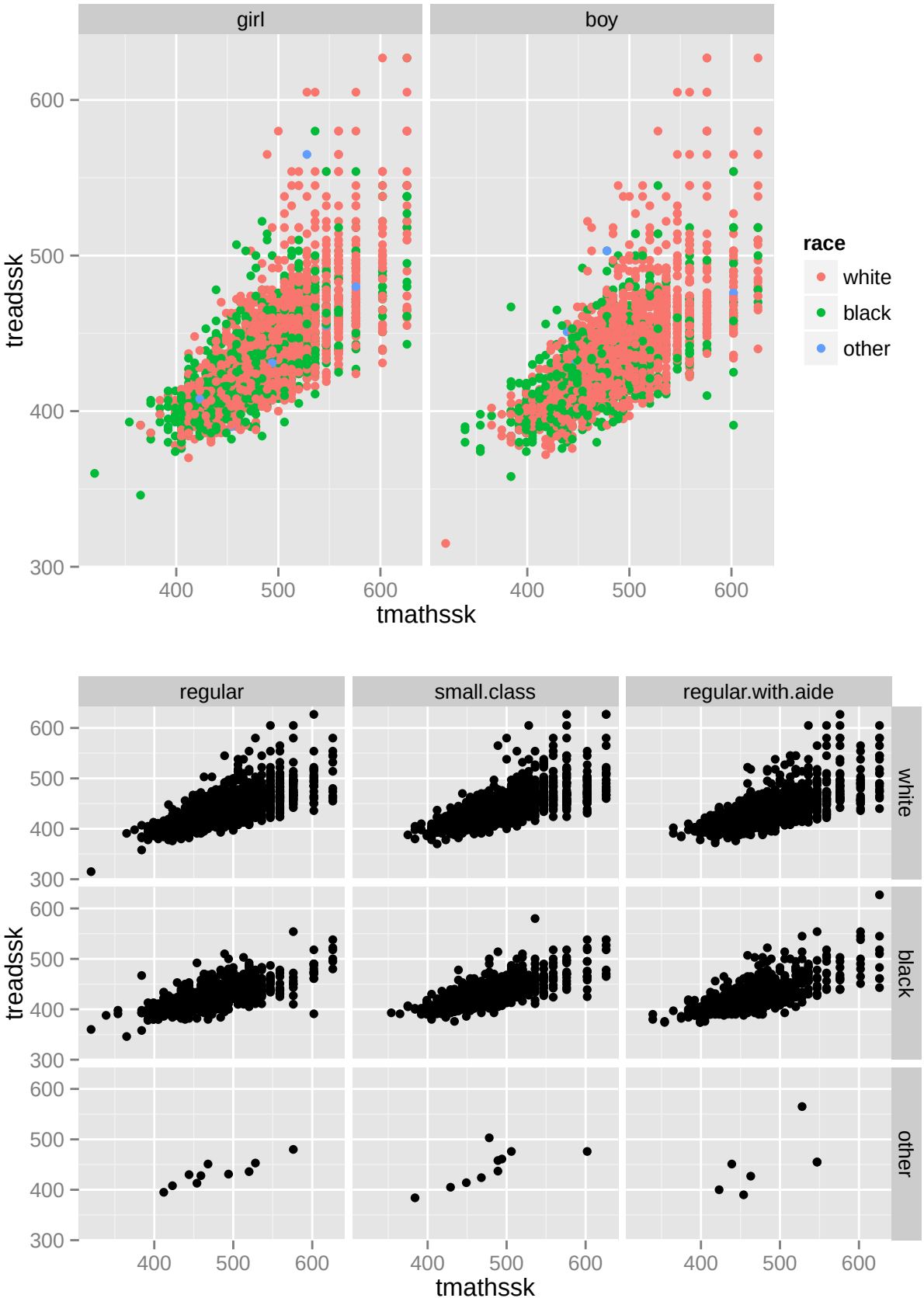

0.0075
0.0050
0.0025
0.0000
density
400
500
600
tmathssk
sex
girl
boy

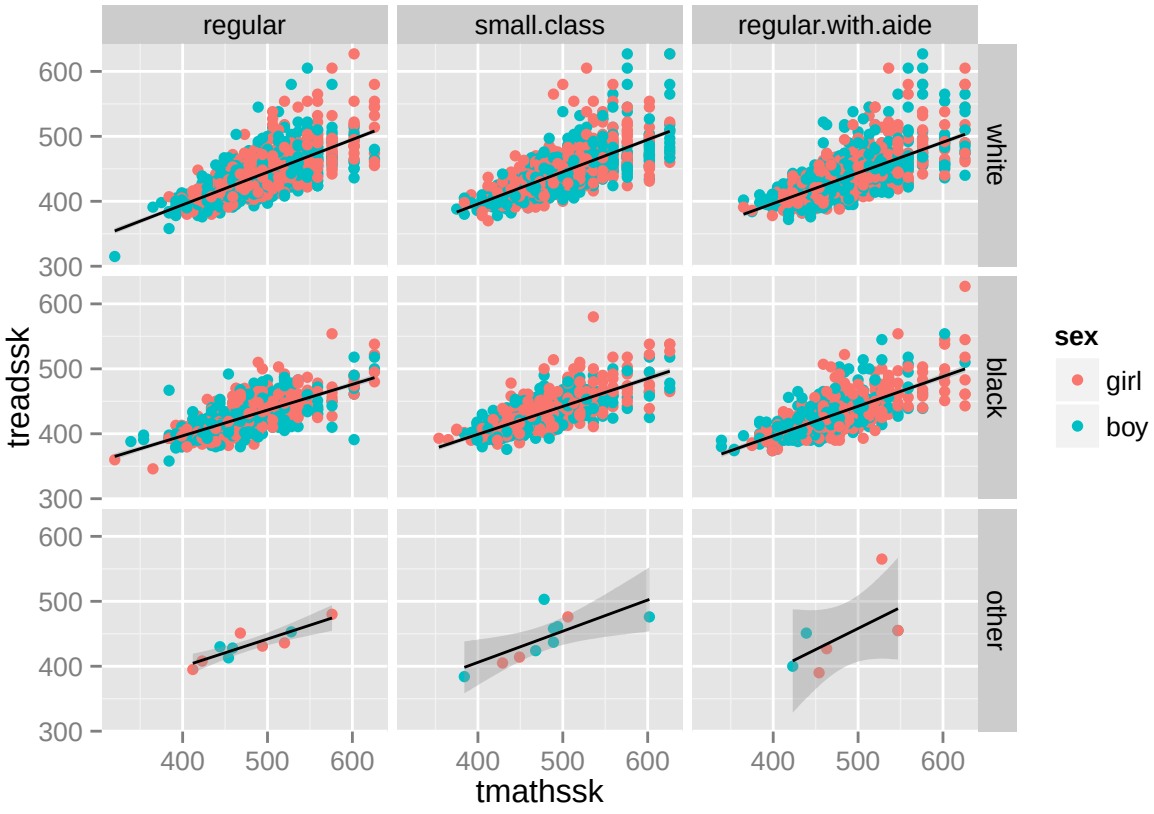

600
500
400
tmathssk
girl
boy
sex
sex
girl
boy

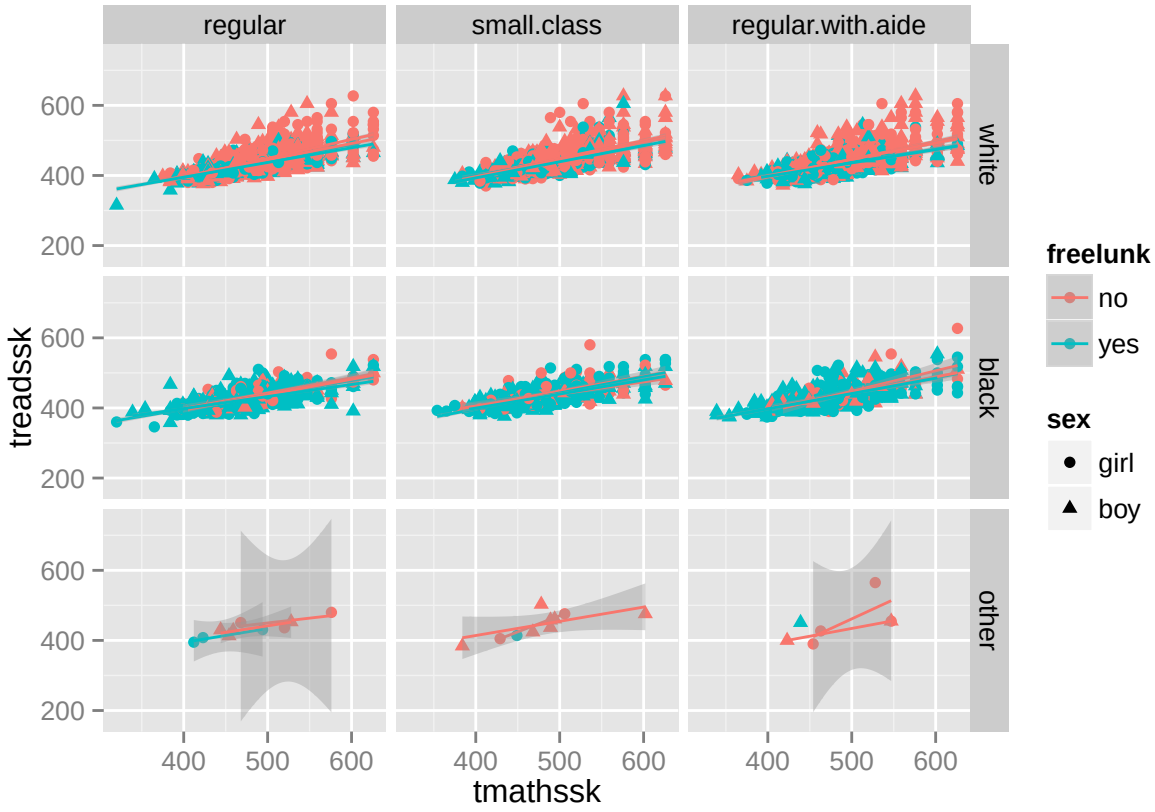

510
500
490
480
tmathssk
0
10
20
totexpk


600
500
400
tmathssk
0
10
20
totexpk

Part 2


girl
boy
treadssk
tmathssk
300
400
500
600
race
white
black
other
regular
small.class
regular.with.aide


regular
small.class
regular.with.aide
white
black
other
treadssk
tmathssk
600
500
400
300
sex
girl
boy



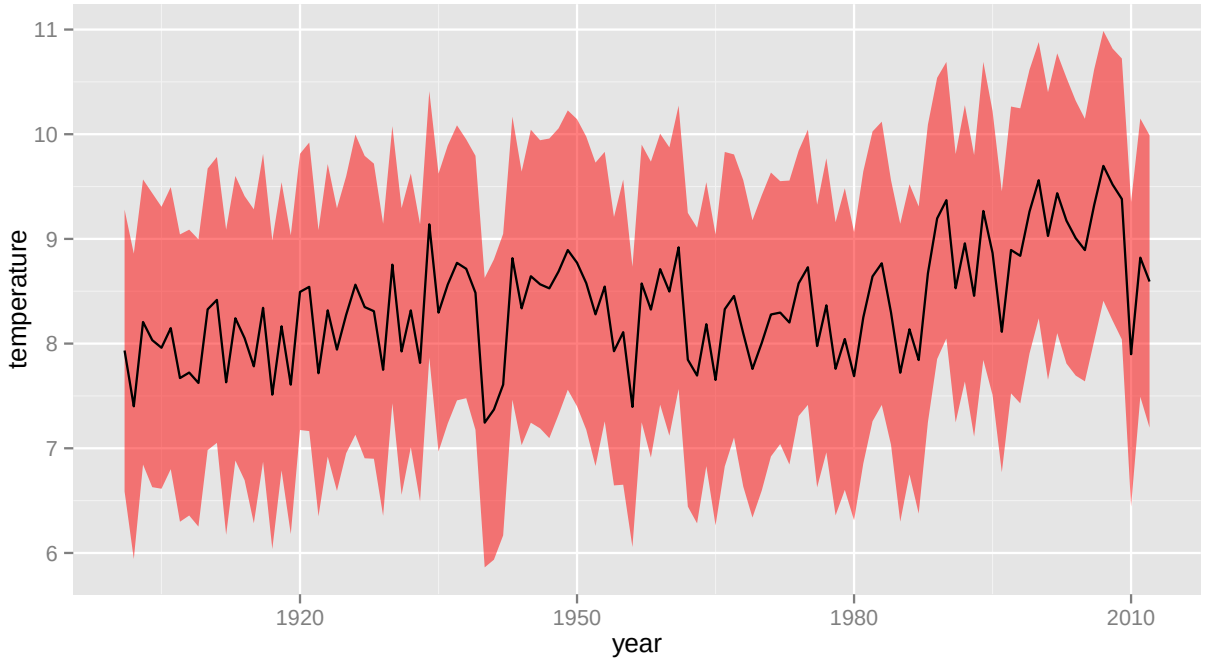
Still have time? Change the axis labels, add a title

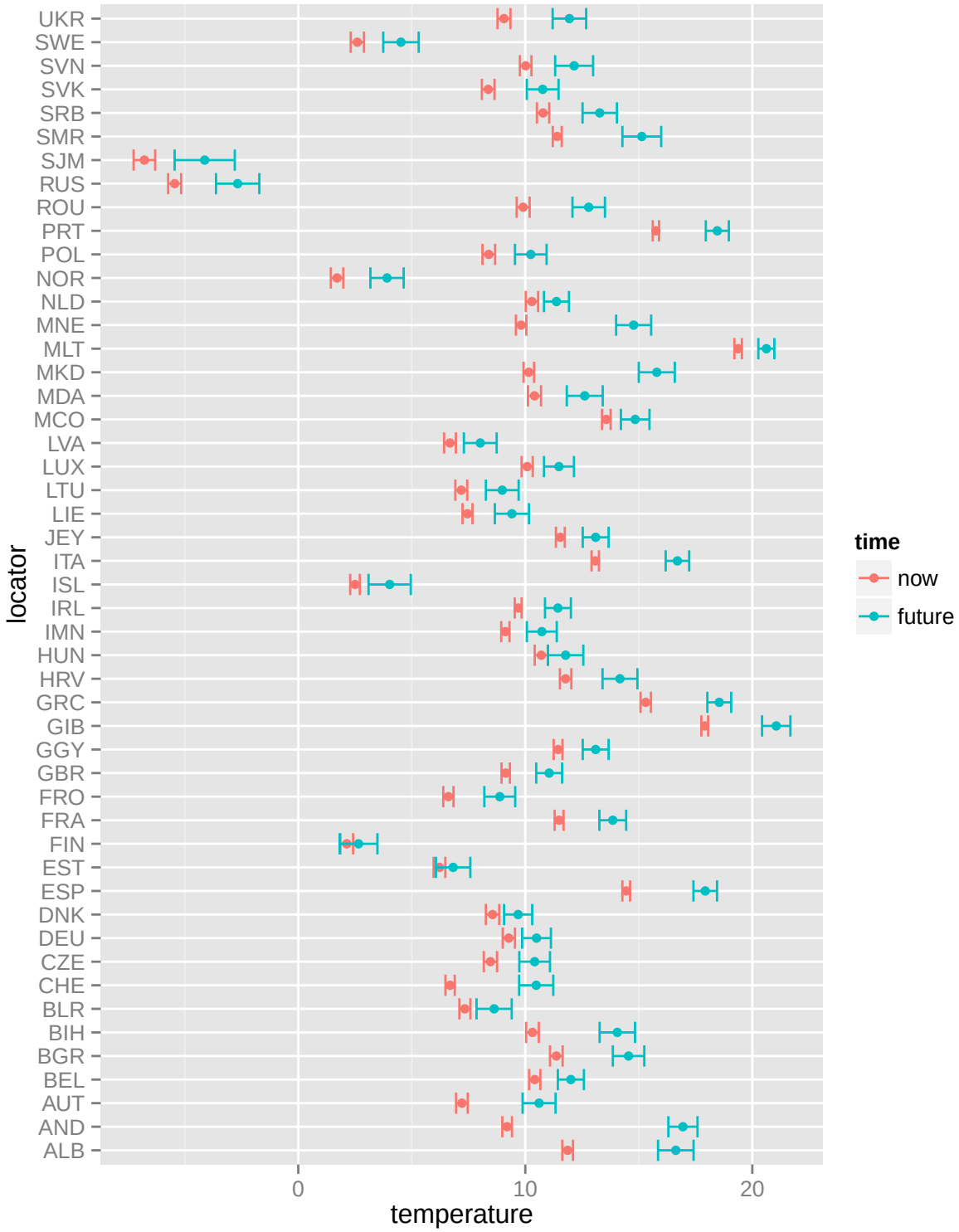
Part 3

Here are two datasets:

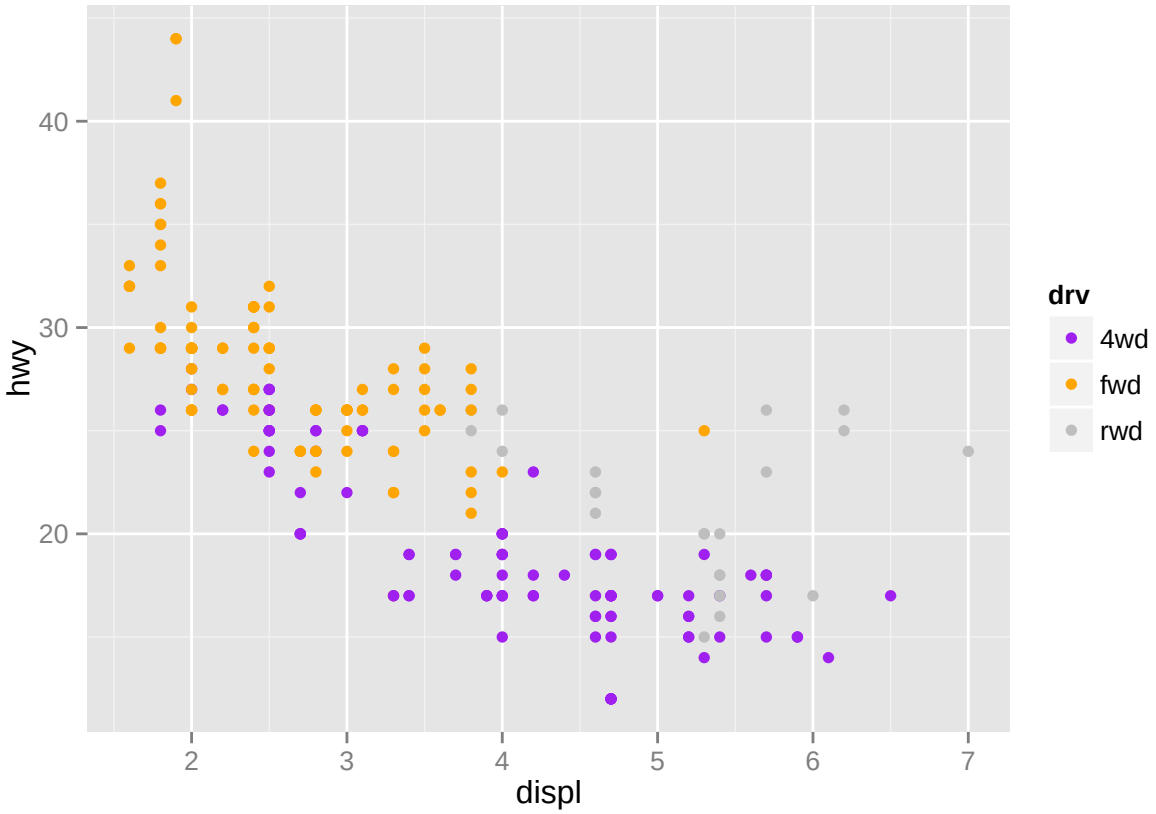
```
temperature_by_year <-
  rio::import("https://rawgit.com/ylelkes/R_wav/master/data%20examples/temperature_by_year.RData")

futurepast <-
  rio::import("https://rawgit.com/ylelkes/R_wav/master/data%20examples/climatetemperatures.RData")
```

The file climatetemperatures.RData . Temperature_by_year is used in the first plot; futurepast is based off of 15 or so climate models predicting the temperature of european countries in the end of the 21st centure. Hint: The 95 percent confidence intervals (which are plotted below are 1.96 times the standard error over/under the mean)


11
10
9
8
7
6
temperature
1920
1950
1980
2010
year

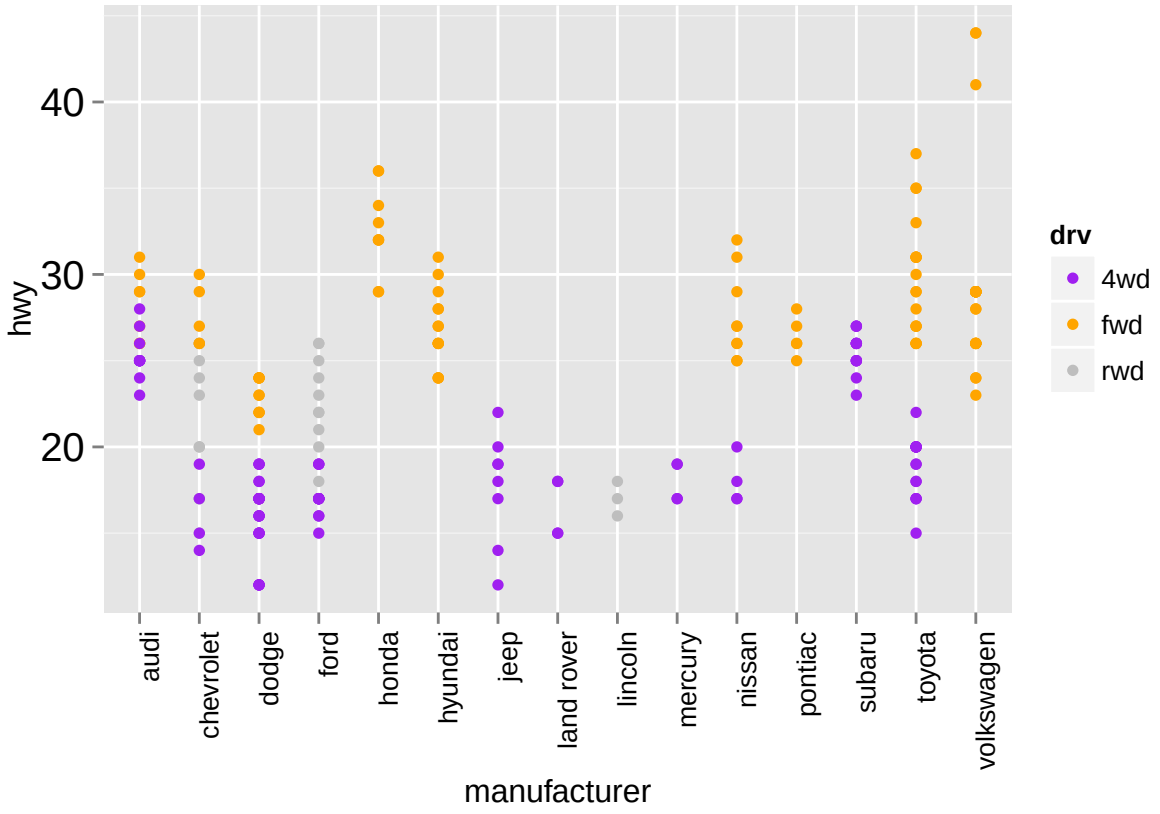

UKR
SWE
SVN
SVK
SRB
SMR
SJM
RUS
ROU
PRT
POL
NOR
NLD
MNE
MLT
MKD
MDA
MCO
LVA
LUX
LTU
LIE
JEY
ITA
ISL
IRL
IMN
HUN
HRV
GRC
GIB
GGY
GBR
FRO
FRA
FIN
EST
ESP
DNK
DEU
CZE
CHE
BLR
BIH
BGR
BEL
AUT
AND
ALB
locator
0
10
20
temperature
time
now
future

Part 4



Scalesand themes

Spend a few minutes reading about themes Can you rotate the x-axis text and change the colour? Can you change the colour and size of the y-axis?

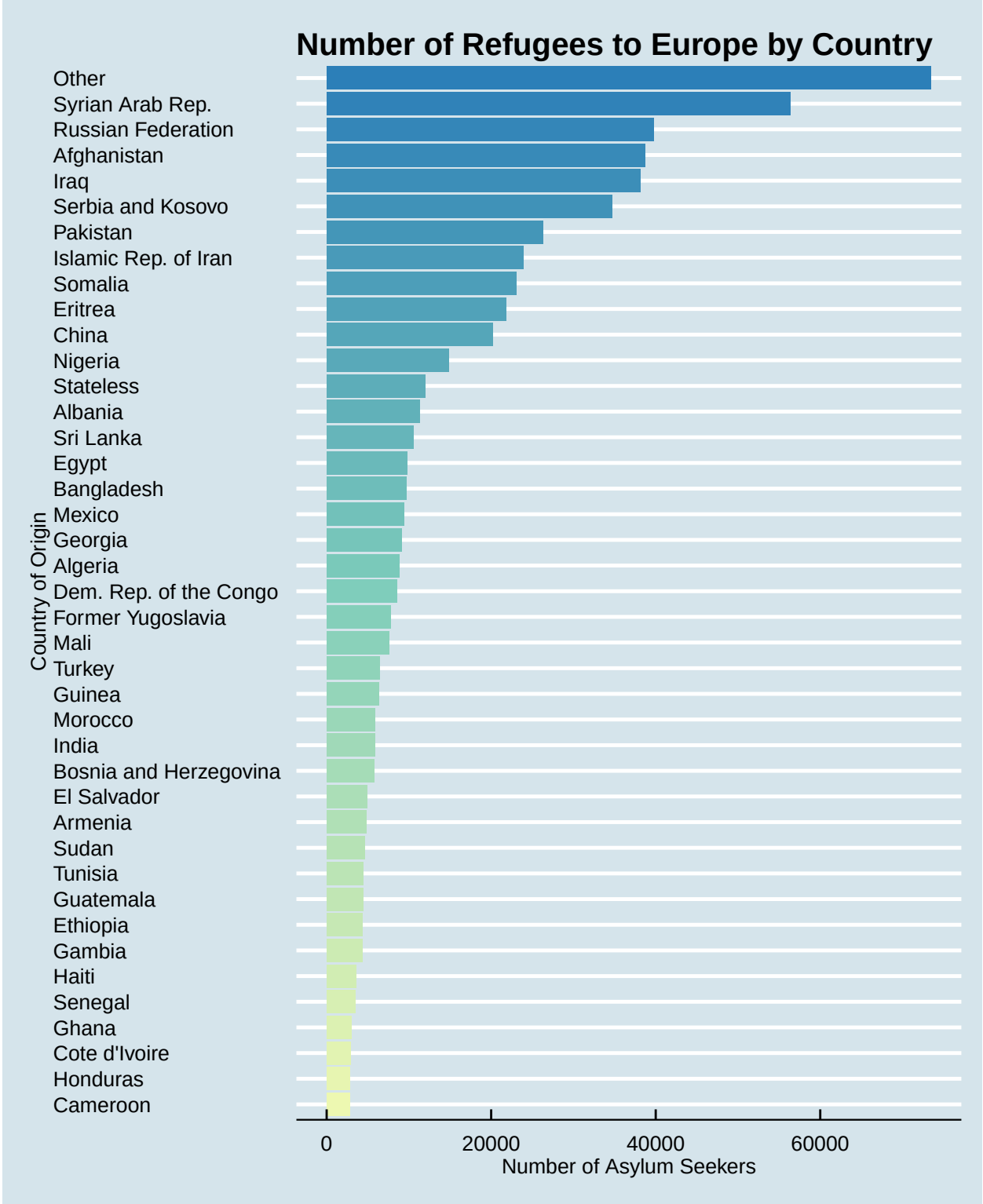


RColor Brewer and ggthemr

- How close to this graph can you get?
- some hints:
- to order, try reorder(Origin, Total)
- Use coord_flip()
- You'll need RColorBrewer and ggthemes

```
asylumdata <-
  rio::import("https://rawgit.com/ylelkes/R_wav/master/data%20examples/asylumdata.csv")
```

```
## Warning: package 'ggthemes' was built under R version 3.1.3
```


Number of Refugees to Europe by Country
Other
Syrian Arab Rep.
Russian Federation
Afghanistan
Iraq
Serbia and Kosovo
Pakistan
Islamic Rep. of Iran
Somalia
Eritrea
China
Nigeria
Stateless
Albania
Sri Lanka
Egypt
Bangladesh
Mexico
Georgia
Algeria
Dem. Rep. of the Congo
Former Yugoslavia
Mali
Turkey
Guinea
Morocco
India
Bosnia and Herzegovina
El Salvador
Armenia
Sudan
Tunisia
Guatemala
Ethiopia
Gambia
Haiti
Senegal
Ghana
Cote d'Ivoire
Honduras
Cameroon
Country of Origin
0
20000
40000
60000
Number of Asylum Seekers