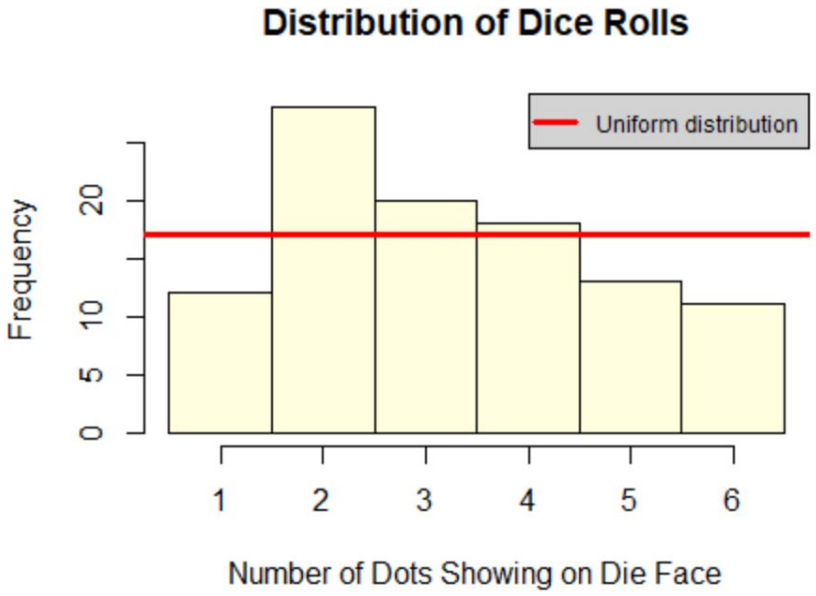
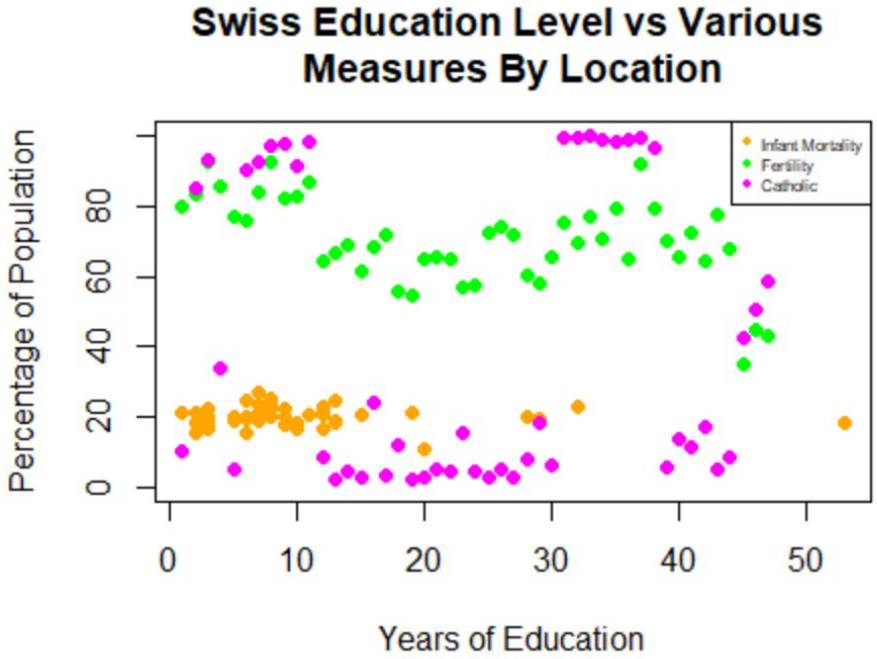
Graphing Project

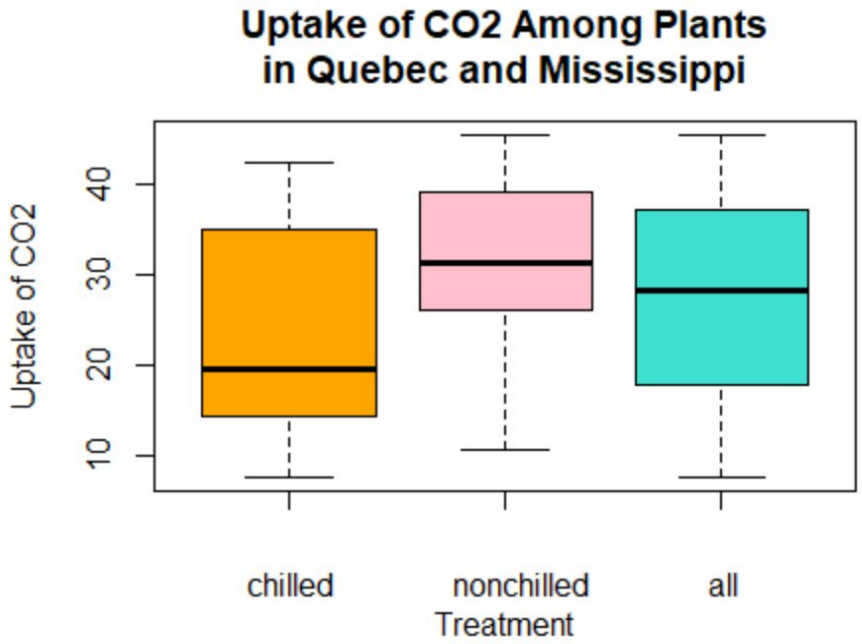
1. A random trial of 102 dice rolls was simulated for this histogram. The distribution is expected to be uniform, since the dice is assumed to be fair.



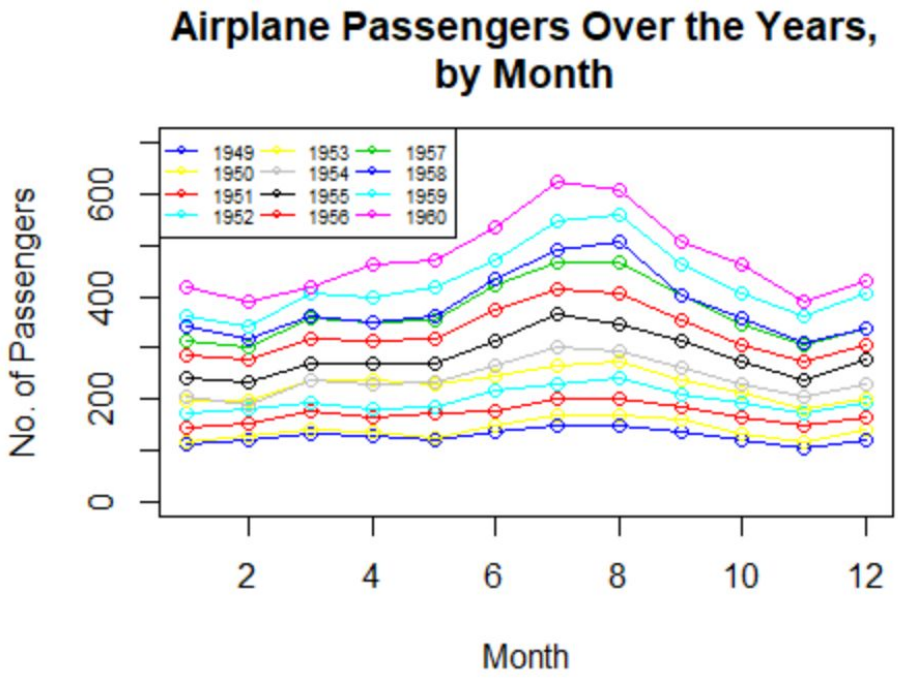
2. For this graph I used the R data set *swiss*, to plot education vs infant mortality, fertility, and Catholic belief. Each point represents the data for these components for one location in Switzerland.



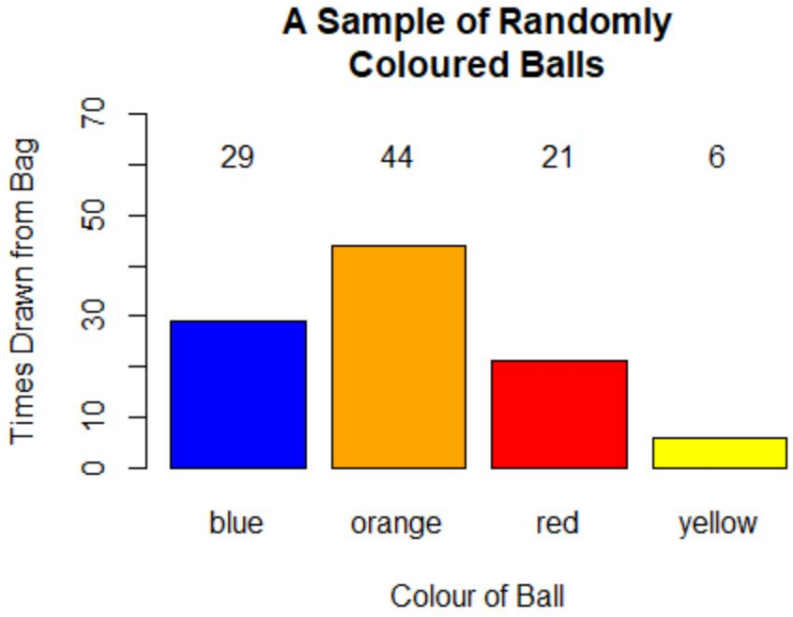
3. I used the R data set *CO2* in order to examine the difference in uptake of CO2 depending on whether the plant's treatment was in chilled, or non-chilled conditions. The turquoise plot shown on the right contains data from both treatments for comparison.



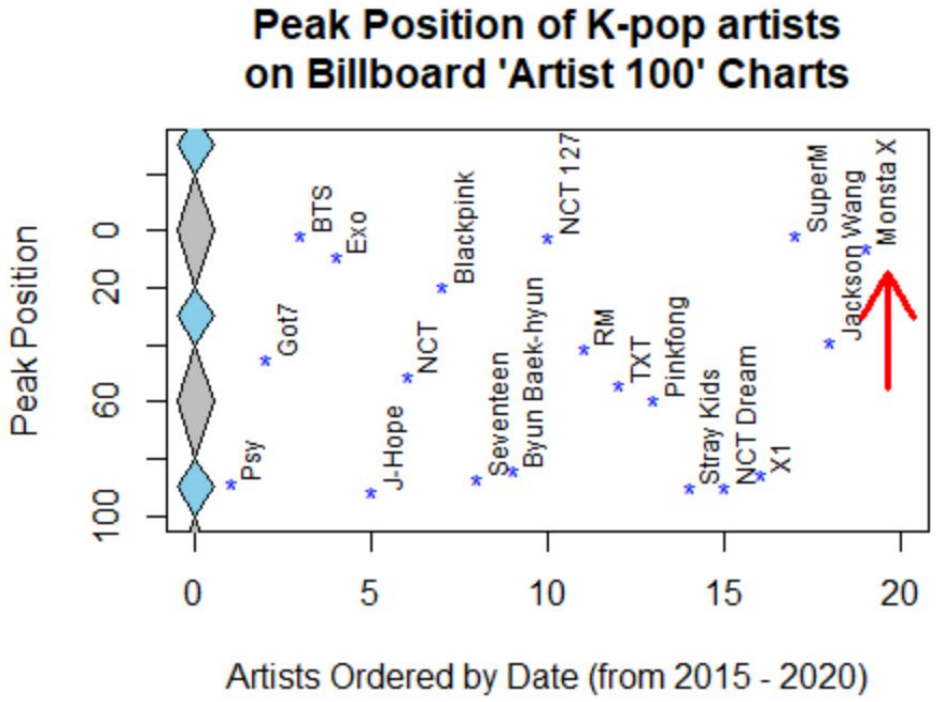
4. The number of people who travelled by plane between the years 1949 and 1960, according to the months of the year. I used the R data set *AirPassengers* for the data.



5. The data is simulated for a ‘bag’ containing a number of ‘coloured balls’ in varying amounts. The number of balls chosen randomly from the bag, totalling to 100, are shown above each colour.



6. A semi-decorated graph illustrating K-pop and its success in the American music industry, specifically, the Billboard ‘Artist 100’ chart. Data is from outside sources (Excel file attached). An arrow points to my favourite group, who recently ranked in the top 6!


Peak Position of K-pop artists
on Billboard 'Artist 100' Charts
Peak Position
0
20
60
100
Psy
Got7
BTS
Exo
J-Hope
NCT
Blackpink
Seventeen
Byun Baek-hyun
NCT 127
RM
TXT
Pinkfong
Stray Kids
NCT Dream
X1
SuperM
Jackson Wang
Monsta X
0
5
10
15
20
Artists Ordered by Date (from 2015 - 2020)