## Lab 1.1: Arbuthnot

## Understanding the Context of the Data

1.	What question did John Arbuthnot set out to answer in collecting this data?
2.	What do $you$ think the probability is that a newborn child is recorded as a girl? What form of evidence or reasoning did you use to come to that determination?
3.	Sketch below a simplified version of the christening records (see the lab slides) as a data frame. What is the unit of observation?

When Arbuthnot published his study of the christening records, he presented his data like this (we show here just the first 10 rows).

```
# A tibble: 82 x 3
   year boys girls
   <int> <int> <int>
   1629 5218
               4683
   1630
         4858
               4457
   1631
         4422
               4102
   1632 4994
               4590
   1633 5158
5
               4839
6
   1634
         5035
               4820
7
   1635
         5106
               4928
         4917
8
   1636
               4605
9
   1637
         4703
               4457
10 1638 5359
               4952
# i 72 more rows
```

- 4. What does every row in this data frame published by John Arbuthnot correspond to? For each variable, state its type and the sort of values you would expect it to take (and also values it *should not* take).
- 5. What operations were necessary to get from the original christenings data frame to Arbuthnot's data frame?