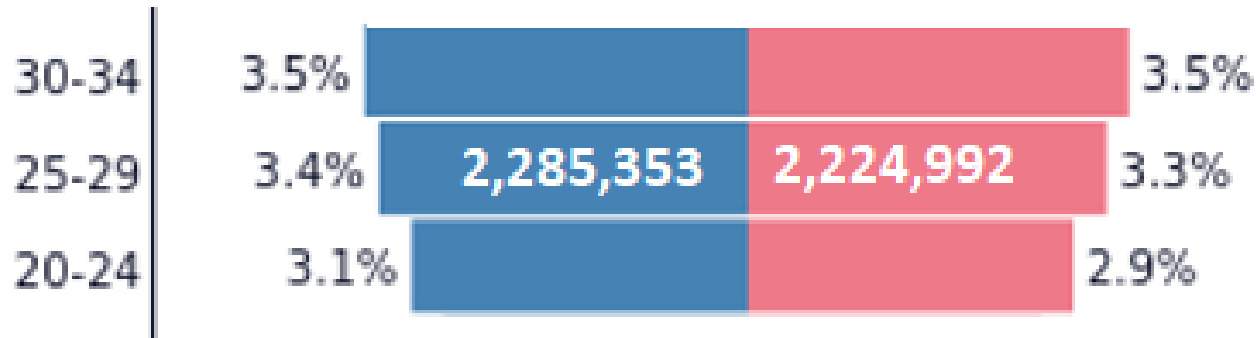


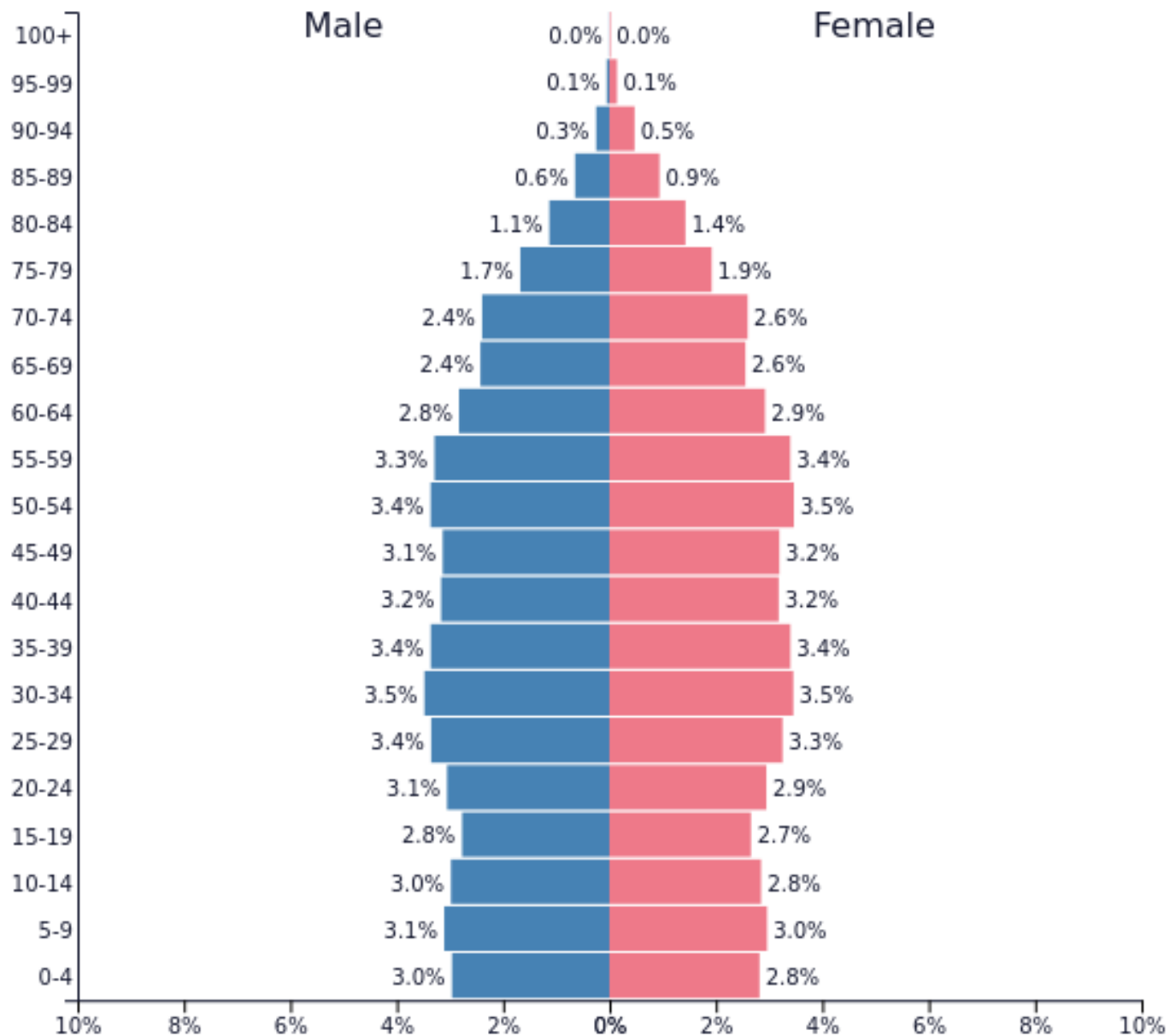
What is going on?



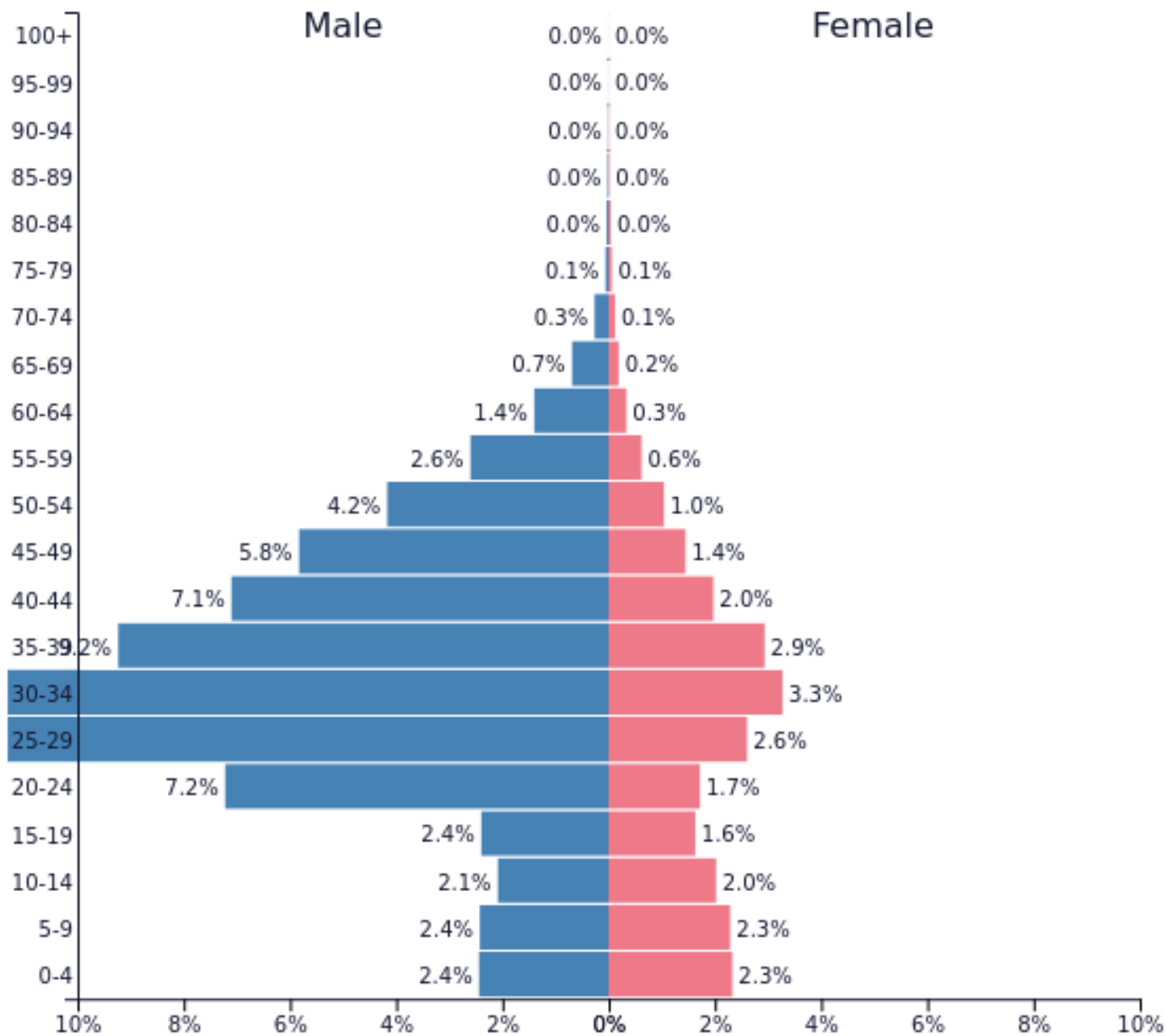


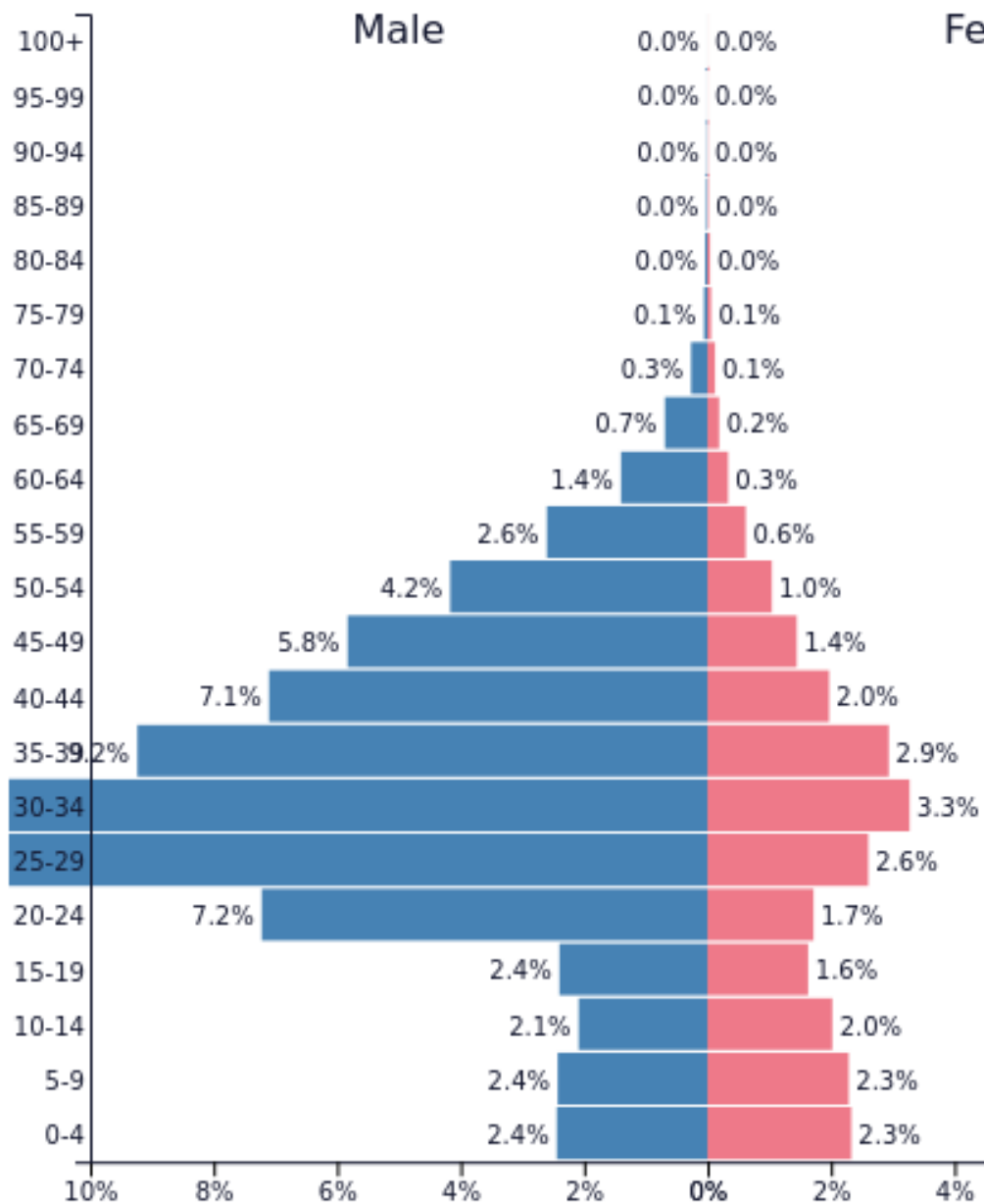
This shows the number of people aged 25-29.

What can we work out?



United Kingdom - 2020
 Population: **67,886,004**





Female

	A	B	C
1	Age	M	F
2	0-4	69109	65981
3	05-Sep	68700	64808
4	Oct-14	59046	57275
5	15-19	67889	46175
6	20-24	204471	48658
7	25-29	392894	73786
8	30-34	381896	92704
9	35-39	261514	83194
10	40-44	201104	55822
11	45-49	165044	40965
12	50-54	118021	29532
13	55-59	73669	17557
14	60-64	39657	9469
15	65-69	19501	5383
16	70-74	7516	3478
17	75-79	1591	1694
18	80-84	1052	1210
19	85-89	520	473
20	90-94	239	245
21	95-99	58	83
22	100+	30	58
23			

Qatar - 2019

Population: **2,832,071**

What The Graph 28: teacher notes

Notes/comments

- From the website PopulationPyramid.net – they have data for every country.
- Slide 1 is the UK. Show the slide without revealing what it shows and ask what is going on and whether there is a line of symmetry. Are the percentages related to the whole thing, or just to that side of the graph? (The whole thing).
- From 0-29 there are more males, and then it switches. Over 80 the difference is much bigger.
- It's fairly constant up to 65, but then gets smaller.
- Are the gaps between the groups? (No: it might appear that 9.6 does not fit into a group, but we always truncate ages, so someone who is 9.6 would regard themselves as being 9 years old.)
- Slide 2 gives figures. We can use these to calculate the population of the whole thing:
 - 2285353 divided by 0.034 (3.4%) gives a population of 67216000
 - 2224992 divided by 0.033 (3.3%) gives a population of 67424000
 - These are difference because of rounding in the percentages.
- Slide 3 shows the full graph, with the labels at the bottom.
- Slide 4 shows another country. Which country might it be? Slide 5 says it is Qatar – presumably lots of male migrant workers building stadia for the World Cup.
- Also on slide 5 is the original data, downloaded from the website. What has happened in cells A3 and A4 ? Presumably they typed 5-9 and then 10-14 and Excel automatically interpreted the first as the 5th of September and the second as October 2014 !
- We can't see the extent of the data for the males aged 25-34, but we can calculate from the spreadsheet. Total population is 2832071, giving the following:
 - 25-29: 13.9%
 - 30-34: 13.5%
 - 35-39: 9.2%

Sources:

- <https://www.populationpyramid.net/qatar/2019/>
- <https://www.populationpyramid.net/united-kingdom/2019/>