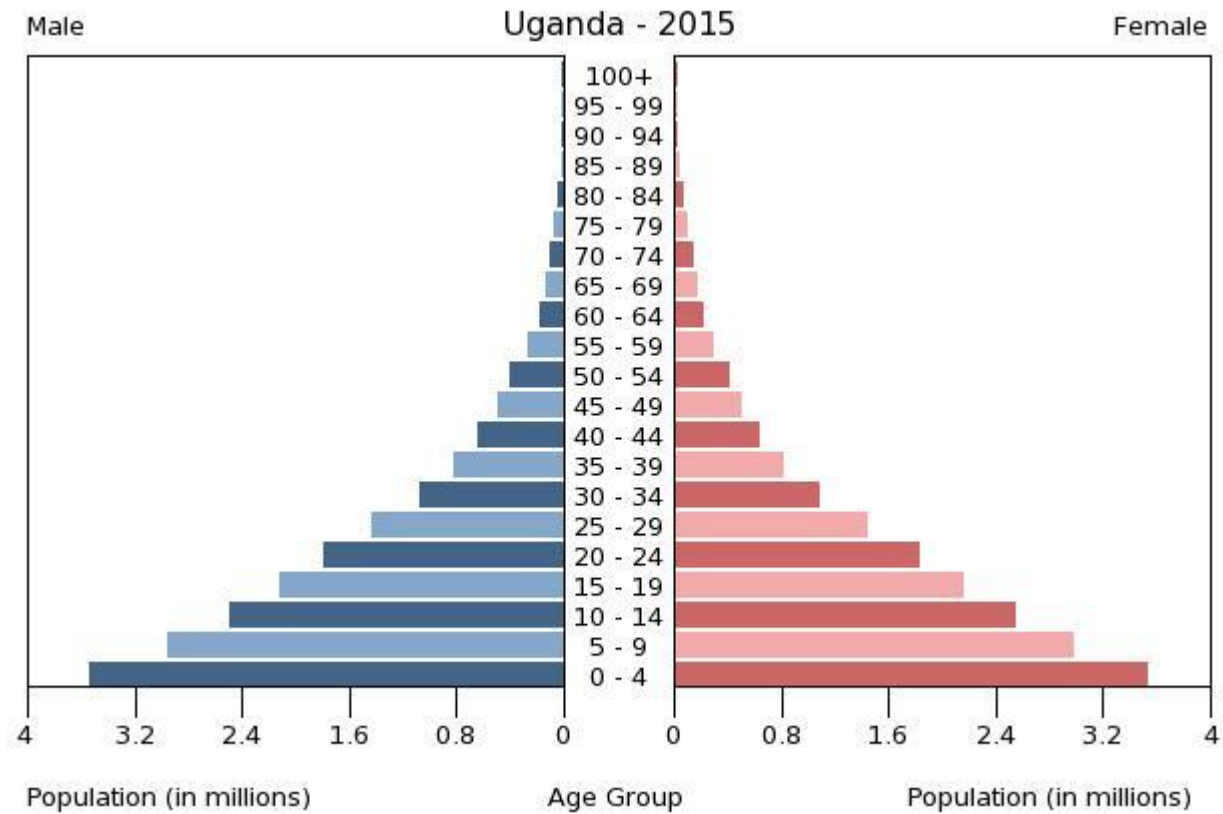
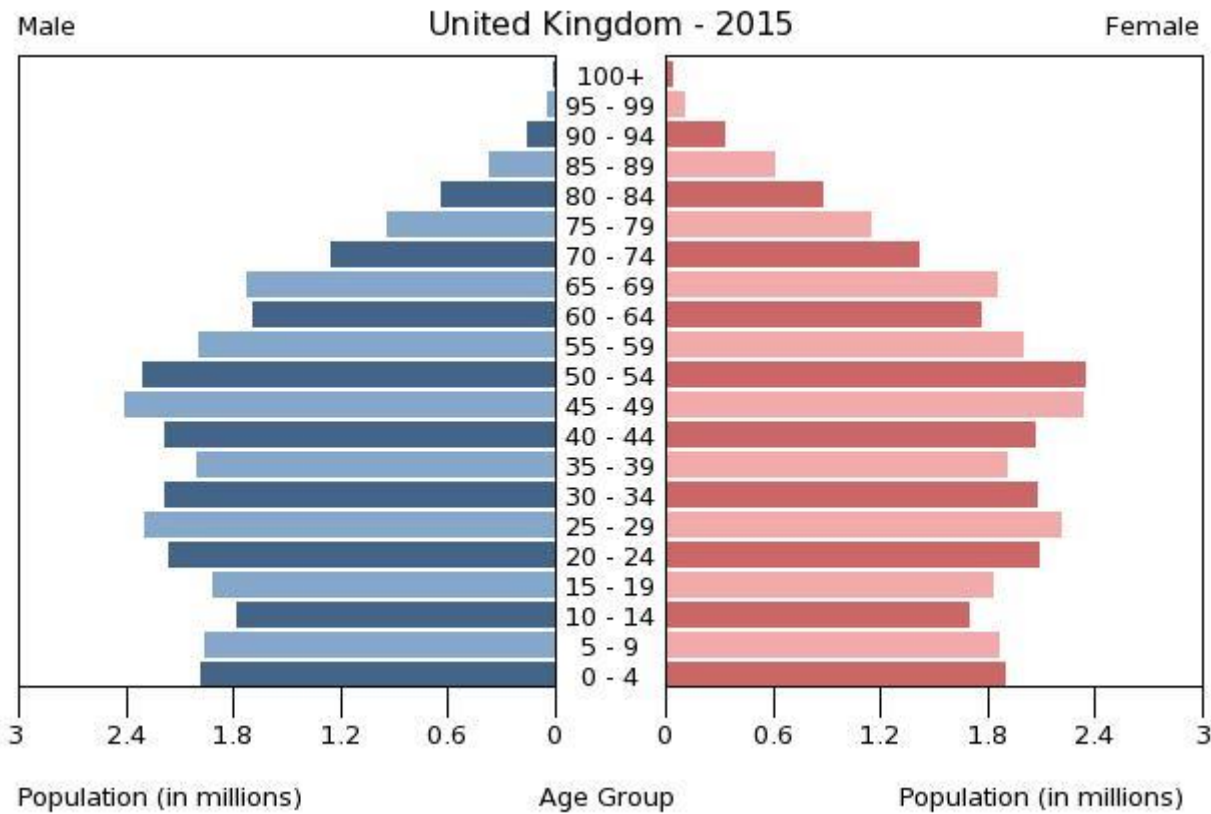


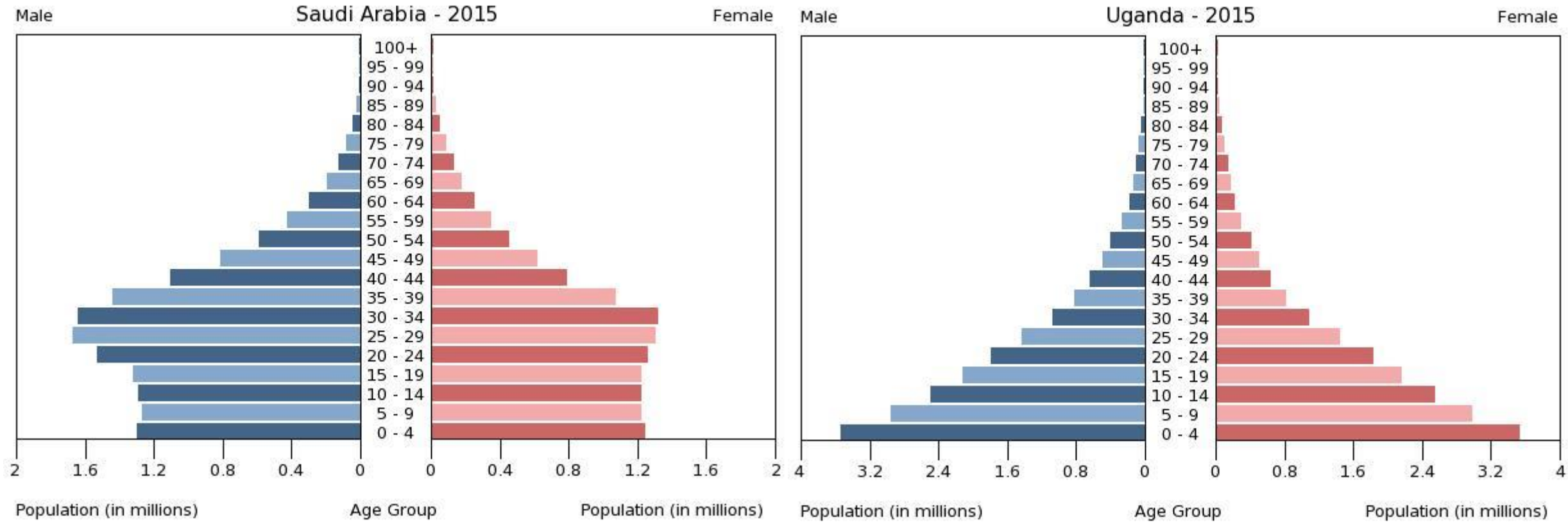
DEMOGRAPHY: TUTORIAL



- Describe and compare between different populations using the population pyramid
- Compute and interpret rates of fertility
- Compute and interpret dependency ratio
- Compute the rate of natural increase
- Compute the population doubling time



Activity 1: Describe and compare the 2 populations



Activity 2: Describe and compare the 2 populations

Age distribution of the Saudi Population in 2000 and 2015 (approximated in million)

Age groups (years)	Year 2000	Year 2015
< 15	8000000	7000000
15 - < 65	12000000	19000000
65+	500,000	900,000

Activity 3:

Calculate and compare the dependency ratio

Activity 4:

The 2015 Saudi population is 27 752 000 with 514 births and 92 deaths.

1. What is the rate of natural increase (considering migration is nil)?
2. What is the population doubling time?

The age distribution of women in the reproductive period and the live births (hypothetical data)

Age groups	No. of females	Live births	-----
15-	100	8	
20-	250	80	
25-	200	96	
30-	300	84	
35-	200	40	
40-	150	24	
45 – 49	250	20	
Total	1450	352	

Total Population = 2750

Activity 5:

From the table, what are the fertility indicators that can be computed?

The age distribution of women in the reproductive period and the live births (hypothetical data)

Age groups	No. of females	Live births	ASFR
15-	100	8	
20-	250	80	
25-	200	96	
30-	300	84	
35-	200	40	
40-	150	24	
45 – 49	250	20	
Total	1450	352	

Total Population = 2750

Activity 6:

From the table, compute the following fertility indicators

1. Crude Birth Rate (CBR)
2. General Fertility Rate (GFR)
3. Age Specific Fertility Rate (ASFR)
4. Total Fertility Rate (TFR)
5. Gross reproduction Rate (GRR)

[female=48%]