

CONSTRUCTING POPULATION PYRAMIDS

Objectives: By the end of this activity, students should be able to

- construct a population pyramid,

1. Use the following Internet site to access the International Data Base:

<https://www.census.gov/data-tools/demo/idb/informationGateway.php>

2. Decide on what three (2) countries you would like to compare in terms of population pyramids.

- Select three countries, each from a different continent

3. Use the drop--down menus to select the following options:

- Under *Select Report* click on “Population by Five Year Age Groups.”
- Under *Select up to 25 Years*, click on the most recent year of actual data -- 2019
- For *Aggregation Options*, select “Show individual Country data only.”
- Under *Select Country* select your first country choice.
- Under *Select Region* leave as UN Region.
- Click on Submit.
- The results of your request will be created and shown in a table.

Year	Age	Both Sexes Population	Male Population	Female Population	Percent Both Sexes	Percent Male	Percent Female	Sex Ratio
2019	Total	36,136,376	17,918,008	18,218,368	100.0	100.0	100.0	98.4
2019	60-64	2,477,253	1,223,612	1,253,641	6.9	6.8	6.9	97.6
2019	65-69	2,125,867	1,028,614	1,097,253	5.9	5.7	6.0	93.7
2019	70-74	1,795,665	849,149	946,516	5.0	4.7	5.2	89.7
2019	75-79	1,251,013	560,607	690,406	3.5	3.1	3.8	81.2
2019	80-84	850,767	356,871	493,896	2.4	2.0	2.7	72.3
2019	85-89	583,536	222,849	360,687	1.6	1.2	2.0	61.8
2019	90-94	317,303	102,507	214,796	0.9	0.6	1.2	47.7
2019	95-99	115,511	30,330	85,181	0.3	0.2	0.5	35.6
2019	100+	31,205	6,402	24,803	0.1	0.0	0.1	25.8

4. Creating your pyramids:
 - a. You must shade in the age groups according to the percentage of their population.
 - b. Color male one color on all pyramids and color female one color on all your pyramids.
 - c. In **black outline** the sex and age group that you are (your own age) on all pyramids.
 - d. Figure out where the Baby Boom group is located on your pyramids and **outline that group in green**.

Look at the percentage of male and female! That is what you graph!

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Mid-year Population by Five Year Age Groups and Sex - Custom Region - Denmark

Year	Age	Both Sexes Population	Male Population	Female Population	Percent Both Sexes	Percent Male	Percent Female	Sex Ratio
2019	Total	5,841,522	2,909,722	2,931,800	100.0	100.0	100.0	99.2
2019	0-4	311,494	160,223	151,271	5.3	5.5	5.2	105.9
2019	5-9	311,692	159,647	152,045	5.3	5.5	5.2	105.0
2019	10-14	340,057	174,482	165,575	5.8	6.0	5.6	105.4
2019	15-19	348,251	178,446	169,805	6.0	6.1	5.8	105.1
2019	20-24	382,748	196,102	186,646	6.6	6.7	6.4	105.1
2019	25-29	395,187	201,897	193,290	6.7	6.9	6.6	104.5
2019	30-34	356,302	182,200	174,102	6.1	6.3	5.9	104.7
2019	35-39	336,624	170,463	166,161	5.8	5.9	5.7	102.6
2019	40-44	370,995	186,708	184,287	6.4	6.4	6.3	101.3
2019	45-49	393,528	197,382	196,146	6.7	6.8	6.7	100.6
2019	50-54	418,151	210,625	207,526	7.2	7.2	7.1	101.5
2019	55-59	383,704	192,495	191,209	6.6	6.6	6.5	100.7
2019	60-64	344,169	170,628	173,541	5.9	5.9	5.9	98.3
2019	65-69	319,989	156,095	163,894	5.4	5.4	5.6	95.2
2019	70-74	326,337	157,355	168,982	5.6	5.4	5.8	93.1
2019	75-79	231,878	108,034	123,844	4.0	3.7	4.2	87.2
2019	80-84	144,907	63,151	81,756	2.5	2.2	2.8	77.2
2019	85-89	77,873	29,948	47,925	1.3	1.0	1.6	62.5
2019	90-94	35,211	11,016	24,195	0.6	0.4	0.8	45.5
2019	95-99	10,701	2,520	8,181	0.2	0.1	0.3	30.8
2019	100+	1,724	305	1,419	0.0	0.0	0.0	21.5

Source Information: Denmark

Download Custom Region - Denmark table as: Excel | CSV

Is this page helpful?

After you have constructed your pyramids, answer the following questions:

5. Explain what type of population pyramid is each one? Rapid, Slow or Negative growth.
6. Are there connections with population growth and level of development? If so, explain.
7. How do the population pyramids compare? What might explain the similarities that you notice? Utilize <http://populationpyramid.net/> website to analyze population trends for your countries.
8. Look at your least developed country. Describe what has happened to the population in that country of the past 50 years?

9. Look at your most developed country. Describe what has happened to the population in that country of the past 50 years?

10. Look at the population pyramids for one of the following countries: Japan, Germany, Russia, and South Korea. What issues will these countries' governments face with current population trends?

11. Look at the population pyramids for one of the following countries: Nigeria, India, Indonesia, Philippines, and DR Congo. What issues will these countries' governments face with current population trends?