

1: Disparities | Healthy People

The program should use a loop to display the size of the population for each day. Input Validation: Do not accept a number less than 2 for the starting size of the population.

Our first facet of purpose was size. When designing cities quickly, say at the game table while playing, this is our instinctive way to define a city. Three different elements of size really need to be considered here: This is a slight downsizing of options from the previous edition. I still use Hamlets for really small populations, and metropolises for huge, incredible cities. Population size affects a lot of things. The difference between the rich and poor will more naturally separate. In a village, the local leadership might be a council of elders, a town manager, trade leader or local regent. There will be a rich poor divide. The regent will have nicer clothes, a bigger house, and his pick of certain trade goods. In the larger cities the opportunity for this is much grander. Trade naturally flows here from many directions. There are more people to hire, put to work and sell to, so even those not in the government have more opportunity to develop wealth based on numbers. Off of the same reasoning two more important elements are likely to develop. Professional soldiers, artisans, scholars, priests and specialists make up a middle class. These are generally the people who create the goods, or provide the services both the nobles and the player characters needs. That makes them important. The 4e DMG threw this idea out the window. This a choice I think you need to make for your campaign early on, and not one city at a time. Will your PCs need to travel to find their equipment as the increase in level, or will they be able to shop anywhere they please for whatever they want? There can always be exceptions. Your village might be the retirement home of an aging wizard who favors adventurers who can spin a good tale, or your metropolis might have strict laws about magic item traffic that are not government regulated. In order to have an exception, there first needs to be a known rule. Make sure your players know it too! I still make my players travel to buy their uber loot when they jump into higher tiers. It just makes more sense to me, plus it gives my players a clear motivation to encounter a new area, with new plot hooks and new NPCs. The other element that develops from the rich poor divide and wealth from populace is a certain set of minimal expectations. The poorest of the poor in a large city assumes there will be a certain amount of protection from outside forces. In cities, walls are built, siege engines manned, and soldiers trained, and even the poor expect to be protected. This mentality is a distinct difference to that of the village. The village might be taxed, but it feels separate, due to distance and visible resources. The regent, if there is one, might have a small personal guard. More likely the farmers themselves form a small, informal, barely trained militia. They expect to have to rely on themselves. This mentality reaches to other things besides protection. Cults and secret societies, ironically, can work really well here. This external distrust means that the cult just needs to make itself seem intrinsic or personal to community members. As soon as a hero comes looking for followers of Bel, the heroes seem more like invading monsters, threatening what they hold dear. This cult may not be secret to any community members, and just kept from the prying eyes of outsiders. That is not to say that a large town cannot have the purpose of the location for your cult. It will, however play out differently there. Cults are generally small by definition. In a city, they are more likely to be ignored, never found out, or have competition from rival cults and other organizations. The location of three demonic cults waging a secret underground war is a great purpose for a large fantasy city. I have one final say today on the size of a city, and how it can shape its purpose. More so than a place to sleep and buy things, the most basic purpose of a city is to support adventure. Even if the adventure is not located in the town, this is the place that has people. The heroes are protecting these people. This is a place the Player Characters receive praise or judgment. The reaction and livelihood of the people they encounter directly reflects the consequences of their actions when dealing with cults, roaming monsters, dragons and undead. A town gives players resolution, satisfaction and a means to measure their deeds. A village is great for heroic players. Starting heroes are able to do things these people can only pray for. They could be instantly hailed as eternal heroes coming back from their first adventure. Whereas clearing out an infestation of were-rats in a large city might not even get recognized by the city watch. The location of your players deeds, and the kind of response given, is often in direct correlation to the difference between town size

PT. 1. DIMENSIONS OF THE POPULATION PROGRAM [I.E. PROBLEM] pdf

and player level. Next Article in Series: Size, Part2 More awesomeness

2: Population | United Nations

Part 1 If $p(t)$ denotes the size of a population at time t , the model for exponential growth begins with the assumption that $dp/dt = r p$, for some constant $r > 0$. The instantaneous rate of change in population with respect to time is proportional to the population at the time.

An investigation by ABC News using new research collated by the Australian Strategic Policy Institute ASPI think tank, identifies and documents the expansion of 28 detention camps that are part of a massive program of subjugation in the region of Xinjiang. Analysis of the data shows that since the start of , the 28 facilities have expanded their footprint by more than 2 million square metres. The nominally autonomous province is home to about 14 million Chinese citizens belonging to mainly Muslim ethnic groups, the largest of which is the Turkic-speaking Uighur pronounced WEE-ger people. Xinjiang, which means "new frontier", has long been the epicentre of ethnic unrest. At the heart of the conflict is a separatist movement which seeks to establish an independent Uighur homeland called East Turkestan. Xinjiang China Beijing, which views the region as an incubator of terrorism, has responded by reinforcing local security forces, expanding the network of police stations and checkpoints, and supercharging its electronic surveillance network. An estimated two million Uighurs and other Muslims have been rounded up and detained in these camps where they are forced to undergo patriotic training and "de-extremification", according to witnesses and human rights groups. China at first denied the existence of the camps. But under intense international scrutiny ahead of a UN review into its human rights record next week, officials have changed tack. After retrospectively legalising the dragnet, Beijing launched a propaganda campaign portraying the camps as humane job training centres. But the growing weight of testimony of victims, witnesses, and now the availability of high resolution satellite imagery, reveals the fast-tracked expansion of a re-education camp network that appears set to become a permanent feature of life in Xinjiang. Pulling together testimonies, the work of international researchers and government documents the network of camps in Xinjiang is pieced together. One of the largest clusters of camps is in the western reaches of Xinjiang. Across the mountain range from the traditional oasis town of Kashgar, lies one heavily fortified camp the Atushi City Vocational Skills Education Training Service Center. As China began ramping up its campaign of mass detention, the size of this camp began expanding. New buildings are added on a monthly basis and razor wire fences can be seen going up. Parkland is taken over for staff car parking a common occurrence at many of the facilities. By December , more than 20 new buildings had gone up. But some of the most intensive building work was still to come. This image posted on Twitter in mid shows a number of cranes to the south of the facility. Then in the latest imagery, we can see the construction of three massive detention centres to the south. They are barricaded by at least three levels of fencing and are surrounded by watchtowers. Just 20 kilometres south of the Atushi City complex, another camp has been identified. A government document detailing plans for the expansion at this site describes the project as one that will "care for special groups and promote the harmonious development of society". The new buildings that went up to the north of the detention centre were flanked by watchtowers and razor wire fencing. This is one of eight internment camps the research identified in Kashgar prefecture. But the rapid growth of detention facilities has by no means been confined to the western reaches of Xinjiang. A much larger network has been growing across the province. All up ASPI analysts have identified 28 centres it believes are being used as internment camps.

3: Designing Fantasy Cities: Size, Part 1 | STUFFER SHACK

The program should use a loop to display the size of the population for each day. Input Validation: Do not accept a number less than 2 for the starting size of the population. Do not accept a negative number for average daily population increase.

Two healthy born twins in Edna Adan Maternity Hospital, Somalia Our growing population In , five years after the founding of the United Nations, world population was estimated at around 2. In October , the global population was estimated to be 7 billion. This dramatic growth has been driven largely by increasing numbers of people surviving to reproductive age, and has been accompanied by major changes in fertility rates, increasing urbanization and accelerating migration. These trends will have far-reaching implications for generations to come. UN Population Division The world in The world population is projected to increase by more than one billion people within the next 15 years, reaching 8. As with any type of projection, there is a degree of uncertainty surrounding these latest population projections. The results presented above are based on the medium projection variant, which assumes a decline of fertility for countries where large families are still prevalent, as well as a slight increase of fertility in several countries with fewer than two children per woman on average. Survival prospects are also projected to improve in all countries. Africa has the highest rate of population growth among major areas, growing at a pace of 2. A rapid population increase in Africa is anticipated even if there is a substantial reduction of fertility levels in the near future. Asia is projected to be the second largest contributor to future global population growth, adding 0. Several countries are expected to see their populations decline by more than 15 per cent by , including Bosnia and Herzegovina, Bulgaria, Croatia, Hungary, Japan, Latvia, Lithuania, Republic of Moldova, Romania, Serbia, and Ukraine. Fertility in all European countries is now below the level required for full replacement of the population in the long run around 2. Factors influencing the population growth Fertility rates Future population growth is highly dependent on the path that future fertility will take. According to the World Population Prospects Revision , global fertility is projected to fall from 2. However, for countries with high fertility there is significant uncertainty in the projection of fertility. In these countries the average woman has 5 or more children over her lifetime. Of the 21 high-fertility countries, 19 are in Africa and 2 are in Asia. Low-fertility countries now include all of those Europe and Northern America, plus 20 countries in Asia, 17 in Latin America and the Caribbean, 3 in Oceania and 1 in Africa. Increasing longevity Overall, significant gains in life expectancy have been achieved in recent years. Globally, life expectancy at birth rose by 3 years, that is from 67 to 70 years. The greatest increases were in Africa, where life expectancy rose by 6 years in the s after rising by only 2 years in the previous decade. Life expectancy in Africa in stood at 60 years, compared to 72 years in Asia, 75 years in Latin America and the Caribbean, 77 years in Europe and in Oceania and 79 years in Northern America. International migration International migration is a much smaller component of population change than births or deaths. However, in some countries and areas the impact of migration on population size is significant, including in countries that send or receive proportionately large numbers of economic migrants or those affected by refugee flows. Overall, between and , the major areas of Europe, Northern America and Oceania have been net receivers of international migrants, while Africa, Asia and Latin and the Caribbean have been net senders, with the volume of net migration generally increasing over time. From to , average annual net migration to Europe, Northern America and Oceania averaged 2. The Population Division pulls together information on such issues as international migration and development, urbanization, world population prospects and policies, and marriage and fertility statistics.

4: Case Management Guide to Population Health: Management Across the Continuum of Care

Part 1: Introduction to population projections. is a Windows-based program that will run in either Windows based on assumptions about population size.

Part 1 North Korea and Taiwan, two similar countries population: And what does the causes of these distinctions mean for the future: The answer to these questions lay in the economic and political development the countries have underwent throughout their history. This paper will focus primarily on the countries development since the end of World War II. North Korea continues to emphasize military importance, while its malnourished population can only hope to enjoy the agricultural state Taiwan once found itself in. The mentioning of North Korea is loaded with notions of the Korean War, communism and the prominent name, Kim Il-sung, the former president. Japan, the Rykusu islands, and the Philippine Islands; Korea being left out was all the incentive Kim needed to plot a unification of the country by force. The most fundamental question of all wars may be the most complex regarding this war: Who won the war? Both the United States and Korea believe they won the war, however, more importantly than who won, is the effects the war had on the countries. North Korea gained political strength and for a while was viewed as a more prominent player on the world stage. Chiang Kai-shek had simultaneously remained in control of large sections of China with his Nationalist forces. The 28 February arrest of a woman selling cigarettes without a license was the spark which led to large-scale public protests against repression and corruption. For some ten days, Chiang still on the mainland and his governor Chen Yi kept up the pretense of negotiations with leaders of the protest movement, but at the same time they sent troops from the mainland. Scholars, lawyers, doctors, and students were rounded up like the strongest of cattle, as they posed the biggest threat in the protest movement. The population relies heavily on other nations to support its food consumption: Although North Korea relies heavily on labor intensive goods such as agriculture and mining, it does little to improve the machinery and equipment necessary for success in such industries. This practice of little to no investment in capital stock has lead to the continual regression of North Korea. Industries such as agriculture became collective, while state ownership of land, natural resources, major factories, banks, transportation, and major enterprises help lay the foundation for a planned economy. The Workers Party defined the following 3 types of agricultural cooperatives: On the surface, the North Korean authority allowed its farmers to select out of the three types of cooperatives above at their discretion. A problem that has continually plagued North Korea. Following suit, North Korea also nationalized all major industries: North Korea formed the following three types of commercial and industrial cooperatives as in the case of agricultural collectivization: The answer comes in a synopsis of points that can simply phrased: Comparing each of these points to North Korea it becomes evident why North Korea has faced stagnation, while Taiwan has reaped the benefits of industrialization. It is dynamic trading partner on the world market, main supplier of semiconductors , and it is a dynamic investor in industrialization and research and development into innovative technologies. Privatization has allowed for optimal allocation of resources and greater coordination of supply and demand, further allowing Taiwan to depart from the market of agricultural goods, and enter the realm of high-technology goods. Most of the countries GDP comes from the industrial sector, and most of this industrial sector is concerned primarily with military defense, production, and innovation, in an attempt to stockpile weapons. Recently, North Korea has entered the nuclear arms race, making it an even more dangerous military based country. What would be the result of a change of investment away from the military sector and into human capital and consumption goods? Taiwan Semiconductors, TSMC the company not a generic generalization , is the dominant name in the semiconductor industry, producing the most highly demanded and conceivably best semiconductors in the world. Taiwan has found a unique market niche in a good that seems to have constant demand regardless of shocks to the various industries it supplies. Semiconductors are the fundamental piece of technology in cell phones, computers, cameras, medical equipment, etc, almost in any technological devices requires semiconductors. As the demand for semiconductors may change within individual industries, the aggregate demand essentially changes very little.

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5: The Global Multidimensional Poverty Index (MPI) | Human Development Reports

Since the number of children aged 15 and under around the world increased rapidly, from to billion in As the population of children in school-age more than doubled the demand for education increased rapidly.

6: Harris County Profile

the rate of population size increase at an accelerating rate because population size gets bigger every year. an exponential growth curve. exponential growth example e. coli cells divide once every 20 minutes in good conditions.

Librarian (This Is What I Want to Be) Excerpts from the Ring Cycle in Royal Albert Hall San Francisco, the musical history tour A Searching Heart (Prairie Legacy Series #2) Bank management system project Laws establishing the practice of veterinary medicine Changed, changing, to be changed Terrorism in the age of the Internet Provide social proof Weighing the chances of alien intelligence Africa, its retreat of hope Basic concepts of string theory The Art of Talking So That People Will Listen Nothing ; Doting ; Blindness Elementary vectors Curriculum and Instruction After Desegregation First Middle English primer 1978: Master and ambassador of Twin Lakes Wests American government. Toxicology reference data, Wistar rat The path of remembrance or return Microprocessor based home security system project Where are you, Hashem? Marathi novels list Everything you know about evangelicals is wrong (well, almost everything) Memoirs of Dr. Joseph Priestly to the year 1795 Sinbad the sailor story in english Your arab friend book Ahfs Drug Information 2006 (Ahfs Drug Information) Releted Web sites. Road through the rain forest Farm animal matching worksheet Banning landmines What are you worth? Tutorial de excel avanzado 2010 Chiltons guide to large appliance repair and maintenance The just society as the liberal society Career Management Team findings for wildlife fisheries biologists Feminist standpoint epistemology : building knowledge and empowerment through womens lived experience Abi Economic Report of the President, February 2003