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In my assignment I analyzed only Norway in two different data sets which has been taken from World bank. I used the wbdata api method and my datasets are total population and GDP.I wanted to show how GDP changes as population increases so I only used arrays not matrices which gave me the possibility to plot my findings. Norway is an economically strong country but their low population made a bad influence on the economy as we can see clearly as population increased GDP is also increases. I tested my data with simplest possible data sets which are x=[1,0] and y=[0,1]. I didn’t plot my graphs in a separate file because writing in the function seemed much more convenient since with this way when dataset changes graphs might be seen. You can find the data I use below.I added 2 graphs above one is the original data other ones is the normalized one which makes much more sense.

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| --- | --- | --- |
| Total Population  1 5314336.0  2 5276968.0  3 5234519.0  4 5188607.0  5 5137232.0  6 5079623.0  7 5018573.0  8 4953088.0  9 4889252.0  10 4828726.0  11 4768212.0  12 4709153.0  13 4660677.0  14 4623291.0  15 4591910.0  16 4564855.0  17 4538159.0  18 4513751.0  19 4490967.0  20 4461913.0  21 4431464.0  22 4405157.0  23 4381336.0  24 4359184.0  25 4336613.0  26 4311991.0  27 4286401.0  28 4261732.0  29 4241473.0  30 4226901.0  31 4209488.0  32 4186905.0  33 4167354.0  34 4152516.0  35 4140099.0  36 4128432.0  37 4114787.0  38 4099702.0  39 4085620.0  40 4072517.0  41 4058671.0  42 4043205.0  43 4026152.0  44 4007313.0  45 3985258.0  46 3960612.0  47 3933004.0  48 3903039.0  49 3875763.0  50 3847707.0  51 3816486.0  52 3784539.0  53 3753012.0  54 3723168.0  55 3694339.0  56 3666537.0  57 3638918.0  58 3609800.0  59 3581239.0 | GDP  1 4.341666e+11  2 3.983940e+11  3 3.688271e+11  4 3.858016e+11  5 4.984101e+11  6 5.227615e+11  7 5.095063e+11  8 4.982834e+11  9 4.287570e+11  10 3.861904e+11  11 4.622500e+11  12 4.009371e+11  13 3.455814e+11  14 3.088843e+11  15 2.645116e+11  16 2.288585e+11  17 1.955242e+11  18 1.739722e+11  19 1.712471e+11  20 1.622845e+11  21 1.541634e+11  22 1.613566e+11  23 1.635201e+11  24 1.520296e+11  25 1.271315e+11  26 1.205791e+11  27 1.308380e+11  28 1.218725e+11  29 1.197917e+11  30 1.026338e+11  31 1.019003e+11  32 9.423006e+10  33 7.869325e+10  34 6.541688e+10  35 6.205796e+10  36 6.162724e+10  37 6.264720e+10  38 6.359665e+10  39 6.443938e+10  40 5.313224e+10  41 4.652309e+10  42 4.150803e+10  43 3.594227e+10  44 3.287781e+10  45 2.714569e+10  46 2.253425e+10  47 1.735861e+10  48 1.458311e+10  49 1.281412e+10  50 1.106307e+10  51 1.015993e+10  52 9.514497e+09  53 8.696460e+09  54 8.058681e+09  55 7.159203e+09  56 6.510240e+09  57 6.066977e+09  58 5.632461e+09  59 5.163272e+09 | Date  1 2018  2 2017  3 2016  4 2015  5 2014  6 2013  7 2012  8 2011  9 2010  10 2009  11 2008  12 2007  13 2006  14 2005  15 2004  16 2003  17 2002  18 2001  19 2000  20 1999  21 1998  22 1997  23 1996  24 1995  25 1994  26 1993  27 1992  28 1991  29 1990  30 1989  31 1988  32 1987  33 1986  34 1985  35 1984  36 1983  37 1982  38 1981  39 1980  40 1979  41 1978  42 1977  43 1976  44 1975  45 1974  46 1973  47 1972  48 1971  49 1970  50 1969  51 1968  52 1967  53 1966  54 1965  55 1964  56 1963  57 1962  58 1961  59 1962 |