

Government Spending Analysis

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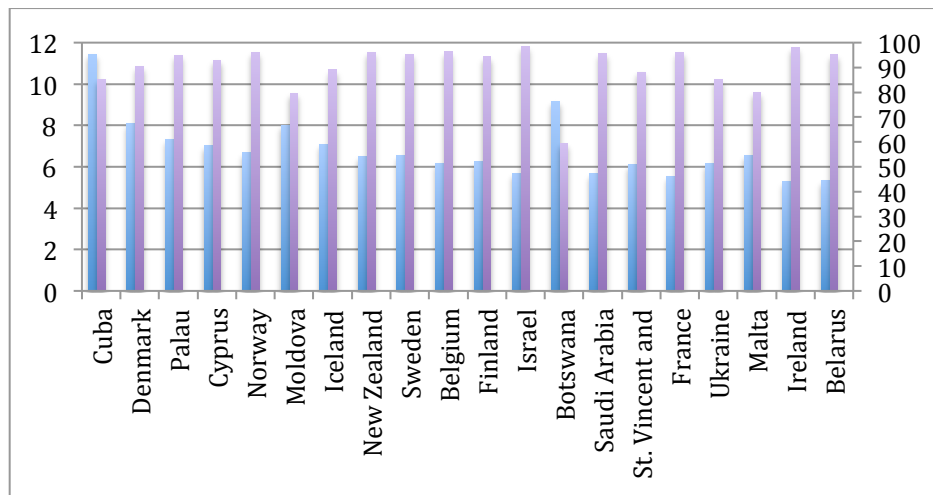
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Data gathering: I got data from openspending and world bank website. The dataset include the percentage of GDP spending on education, health, science and technology and military from 2006 to 2015 for most of the counties in the world. Although governments also spend money on a lot of other fields, the data gathering is difficult for all those fields. So I compared the data of education, health and technology, which are the fields benefit people. I also used the data such as the percentage of secondary school enrollment, the life expectancy at birth, and the amount of high-technology exports as criterions to find out whether governments spend the money efficiently.

1. Government spending on education

I used the data of percentage of GDP spent on education to find out which governments emphasis on education. To check whether the spending enhance the education, the spending data is multiplied with the percentage of secondary school enrollment.

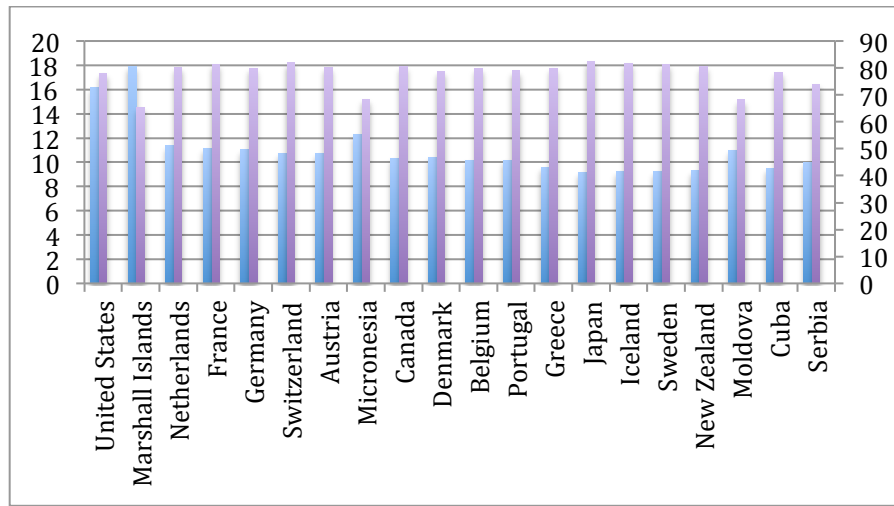
Below is the chart of the top 20 government who spend the money efficiently on education. The blue bars are the percentage of spending of GDP on education. the purple bars are the percentage of the secondary school enrollment.



2. Government spending on health

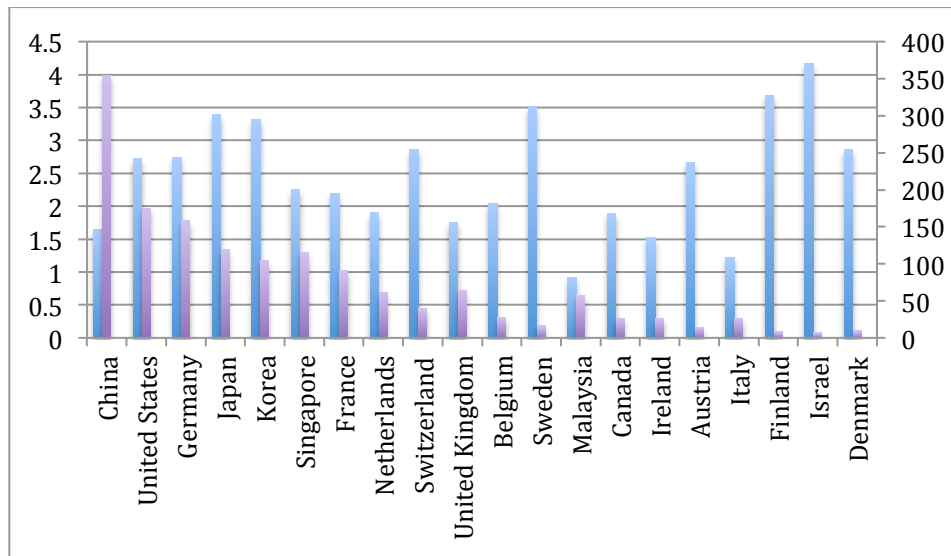
The data was analyzed based on the percentage of GDP spending on health multiplied by the life expectancy at birth. The chart below shows the top 20 countries spending on health efficiently. The

blue bars are the percentage of GDP spending on health and the purple bars are the life expectancy at birth.



2. Government spending on science and technology

The data was analyzed based on the percentage of GDP spending on science and technology multiplied by the high-technology exports. The chart below shows the top 20 countries spending on science and technology. The blue bars are the percentage of GDP spending and the purple bars are the high-technology exports (unit: billion dollars).



Conclusion:

Based on education, health, science & technology spending, the most efficient governments are: Denmark, Sweden, Belgium and France. The government of Iceland, New Zealand and Finland are also very efficient.