You are a data scientist and would like to know where the top 5 places in the world (country or city) where your salary (in USD) will go the farthest with respect to each individual index within the cost\_of\_living.csv file. Provide a simple statistical analysis in a Jupyter Notebook file and provide visualizations to support your analysis (I am looking for data wrangling more than anything).

There are several ways to convert currencies to USD. Here are some examples in Python: https://pytutorial.com/currency-conversion-in-python

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**How To Calculate Cost Of Living**

[**https://www.rockethomes.com/blog/home-buying/cost-of-living**](https://www.rockethomes.com/blog/home-buying/cost-of-living)

Luckily, there are plenty of cost of living calculators available online that let you compare two different locations with ease.

For those interested in doing the calculation, not to worry. The cost of living formula is also relatively simple:

**[(City B – City A)/City A] x 100**

Let’s say you currently live in City A, which has an index of 90.9, and want to move to City B, which has an index of 115.1. To compare the cost of living between these two cities, you would complete the following steps:

* Subtract the index of your current city from the index of the city you want to move to: 115.1 - 90.9 = 24.2
* Divide the resulting difference by the index of your current city: 24.2 ÷ 90.9 = 0.266
* Multiply the resulting quotient by 100 to get the percentage: 0.266 x 100 = 26.6%

So, to maintain your current standard of living after moving from City A to City B, you would need about a 27% increase in your income.