Alice is a freshly graduated data scientist. She wants to know a single place to settle and work to earn and keep most of the value she produces. As an employee, she aims for the city and country that maximizes (expected salary – applicable income tax) / average single person cost of living. She has no net worth at the moment so is only concerned with income tax

Bob is a new data scientist, as well. He has similar goals to Alice but can work remotely, thus earning in one country and living and paying another country's tax rate. He wishes to know where to offer his services and in what place to live permanently.

Carol is an average citizen within the top 1 per cent of the global wealth ranking. She has a net worth[[1]](#footnote-1) of 36,176,500 measured in USD. Carol currently focusses on philanthropy and investments. She earns no ordinary income but expects to make a 12% annualized return. Where Should Carol be to maximize her charitability and retain what she built? Cost of living is negligible to Carol as she is mostly into giving.

<Make your cases as you desire>

# Data acquisition

## Expected salary

### Scraping

### <https://www.salaryexpert.com/salary/browse/countries/data-scientist>

### previous work

<https://towardsdatascience.com/most-lucrative-country-to-work-in-as-a-data-professional-b2077f696ccb>

### ready set

<https://github.com/wiredtoserve/datascience/blob/master/DataProfessionals/2019_Data_Professional_Salary_Survey_Responses.xlsx>

## Cost of living

## Scrape

<https://www.numbeo.com/cost-of-living/rankings_by_country.jsp>

### CSV available

<https://worldpopulationreview.com/country-rankings/cost-of-living-by-country>

## Income tax rates

### Scrape

<https://tradingeconomics.com/country-list/personal-income-tax-rate>

good old Wikipedia: <https://en.wikipedia.org/wiki/List_of_countries_by_tax_rates>

## Wealth or capital gains tax rates

### scrape

<https://en.wikipedia.org/wiki/Wealth_tax>

<https://en.wikipedia.org/wiki/Capital_gains_tax>

<https://taxsummaries.pwc.com/quick-charts/capital-gains-tax-cgt-rates>

note: capital gains usually have complicated rules to them, Carol will almost certainly end up in a country that levies 0 capital gains and wealth tax. Therefore we may want to make her case more interesting by adding some conditions.

## Deductions, brackets, exemptions and other complications to deal with

We are allowed to make some assumptions to make our life a bit easier, such as that Bob and Alice only rent. We might have to make some sort of preselection that looks which countries have the potential to be the best, and then look into the actual tax brackets.

# Other things we can condition on

* Minimum acceptable safety index (numbeo)
* Maximum desired Pollution index (numbeo)
* Etc.

1. https://fred.stlouisfed.org/series/WFRBLT01026 [↑](#footnote-ref-1)