You want to understand the impact of economic data like GDP, inflation rate or business climate index on your business?

Andreas Traut

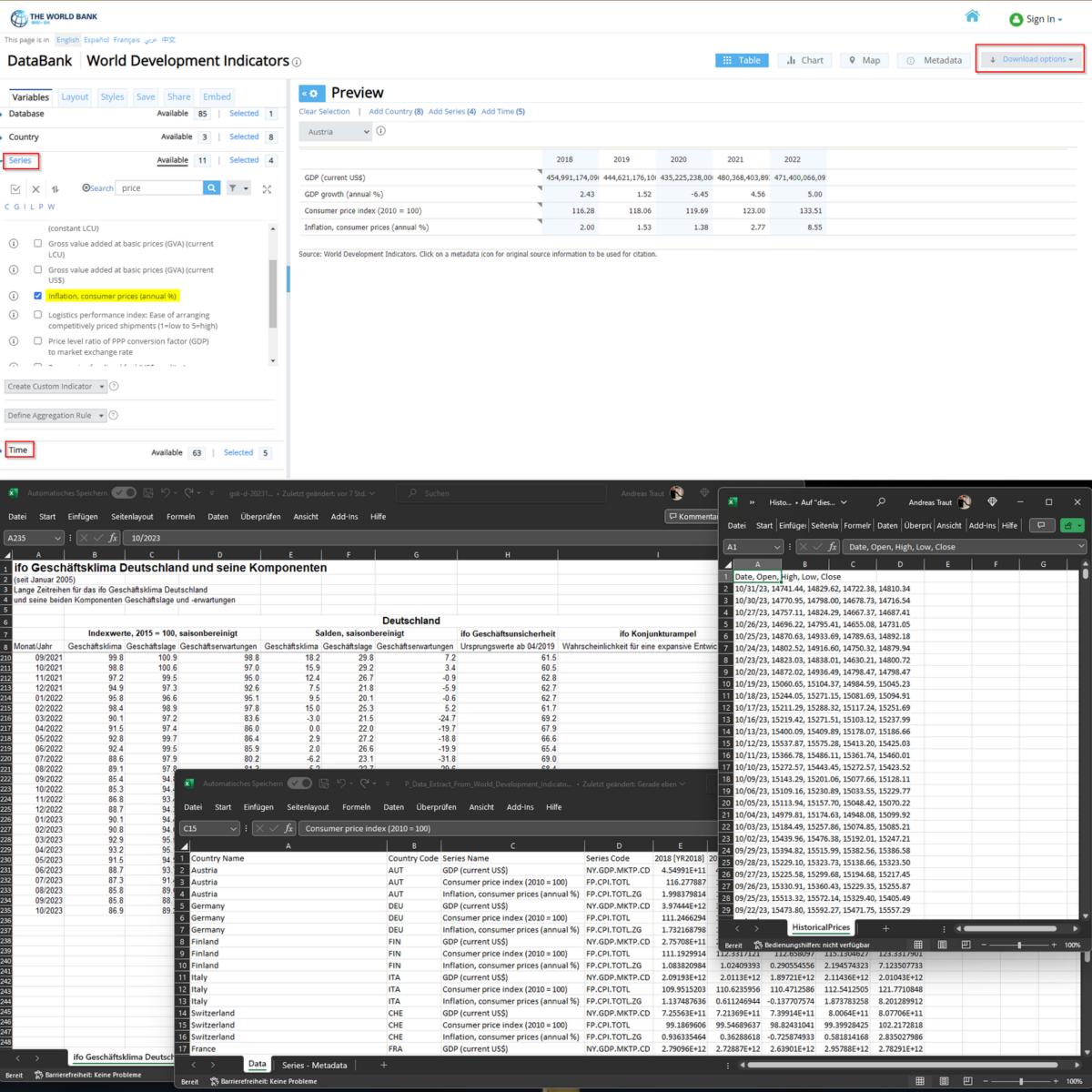
Certified PowerBI Data Analyst.

In love for data, programming and my son Section 2.



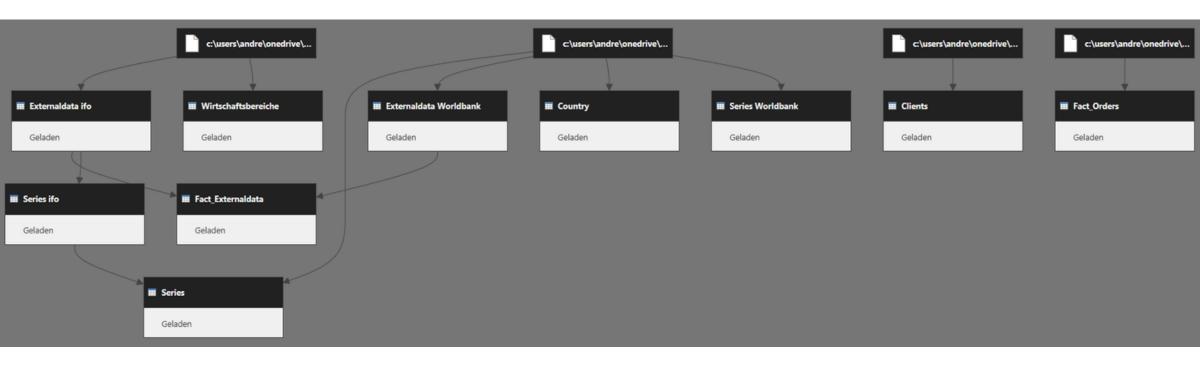
First you need to download raw data from different data sources, like "Worldbank" or "Ifo-Institute".

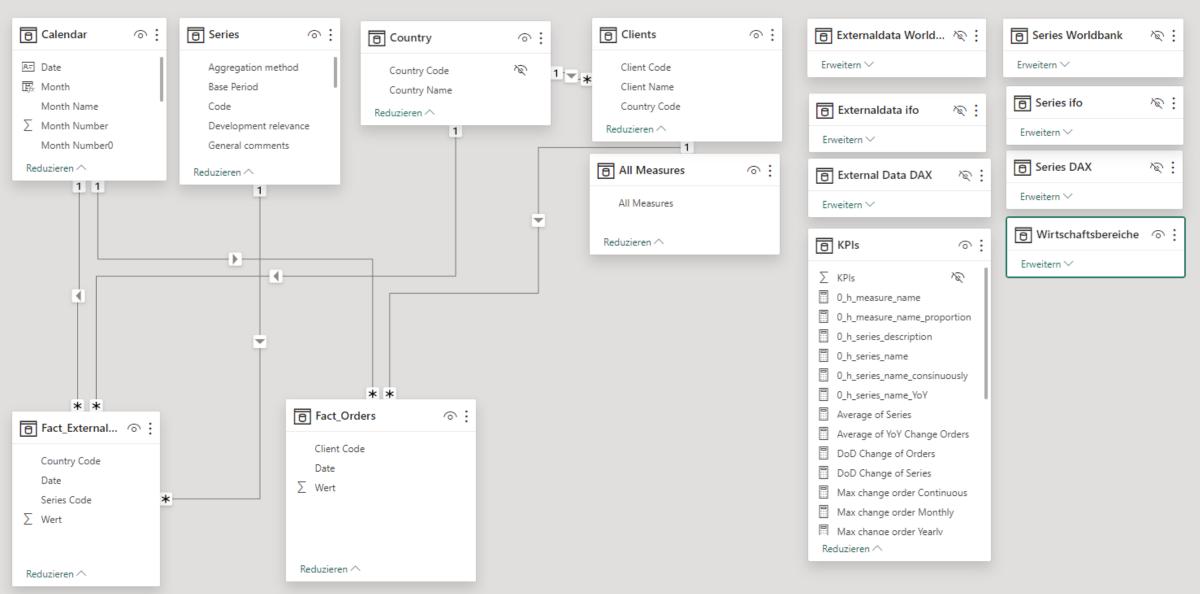
Different table structures and formats will be challenging!



Next you need to load, clean and transform the raw data into your data model.

Creating (key, value)-fact tables and dimension-tables will be needed.



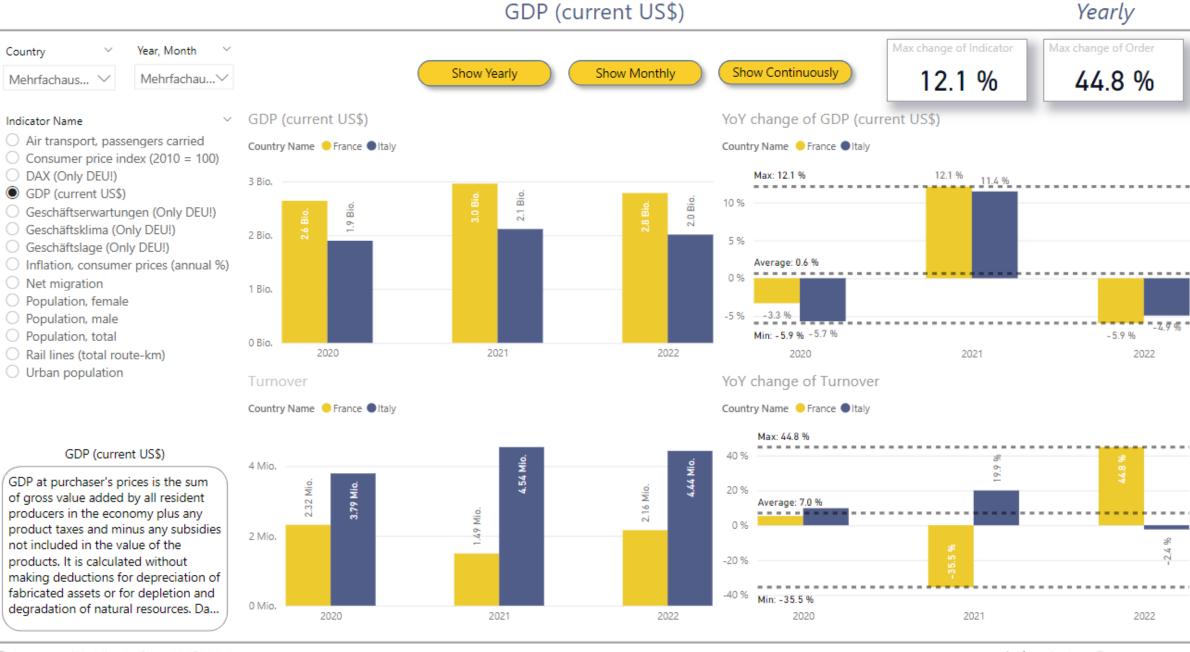


Next you will have to define DAX-formulas.

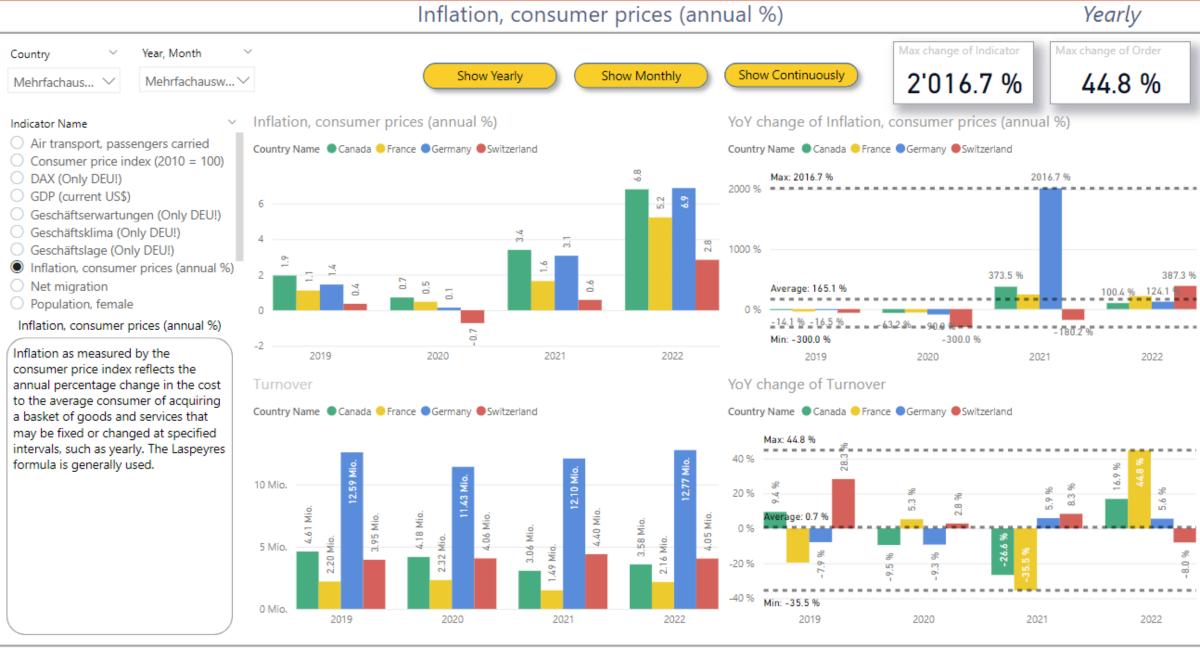
Sometimes even a MAX calculation can be more challenging than expected when different dimensions and filter selections are involved.

```
[YoY Change of Series] :=
    VAR
         PY =
 1
         CALCULATE (
 2
              SUM ( 'Fact_Externaldata'[Wert] ),
 3
 4
              DATEADD ( Calendar[Date], -1, YEAR )
 5
 6
    VAR CY =
         CALCULATE ( SUM ( 'Fact_Externaldata'[Wert] ) )
 7
    VAR __result =
9
         IF (
10
              DIVIDE ( __CY - __PY, __PY, BLANK () ) = -1,
11
              BLANK (),
              DIVIDE ( __CY - __PY, __PY, BLANK () )
12
13
14
    RETURN
15
          result
 Max change of Indicator
                                    Max change of Order
         -24.11 %
                                            849.3 %
Change of Geschäftslage (Only DEU!)
 Country Name Germany
                                                        23.3 %
      Max: 23.3
      13.6 %
      Averag4: 0.7 %
 -20 %
     Min: -24.1 % -21.7 %
                                                    -24.1 %
                                                    2020
                                   2015
Change of Orders
 Country Name Germany
      Max: 849.3 % 849.3 %
 800 %
 600 %
 400 %
                       321.1 %
                                                       243.1 %
      Average: 98.9 %
                                     -43.5 %
                                                              -61.3 %
      Min: -61.3 %
             2018
                                2020
                                                   2022
```

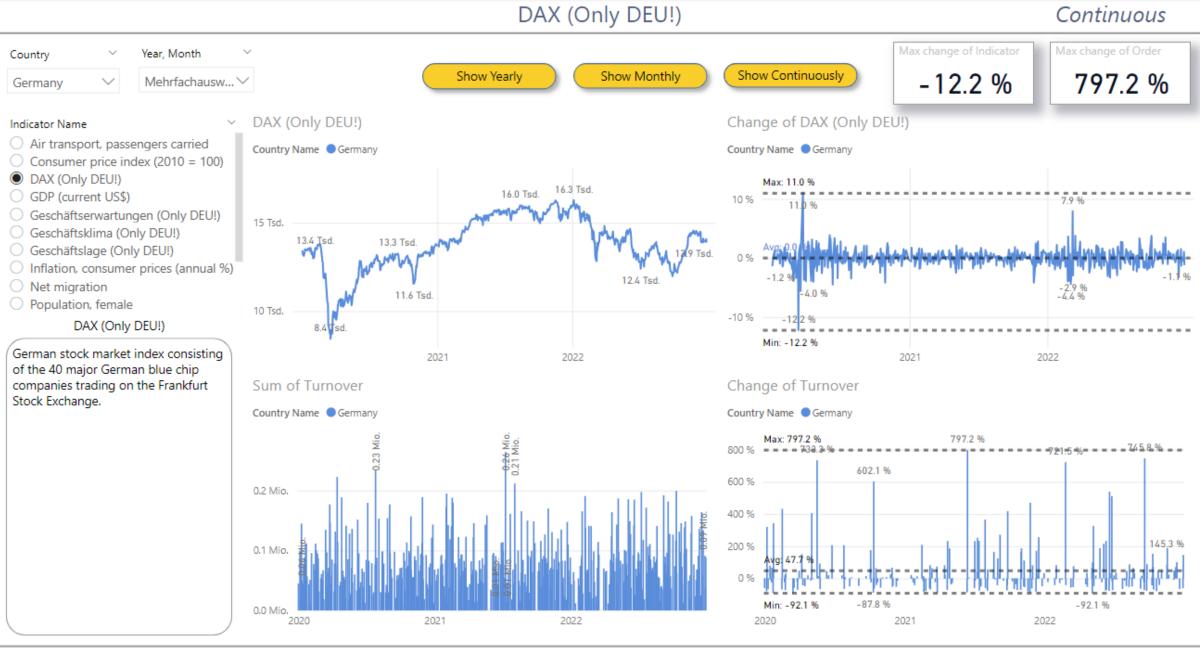
Select "GDP", different countries & years. Analyze relationships between "GDP" and "Turnover".



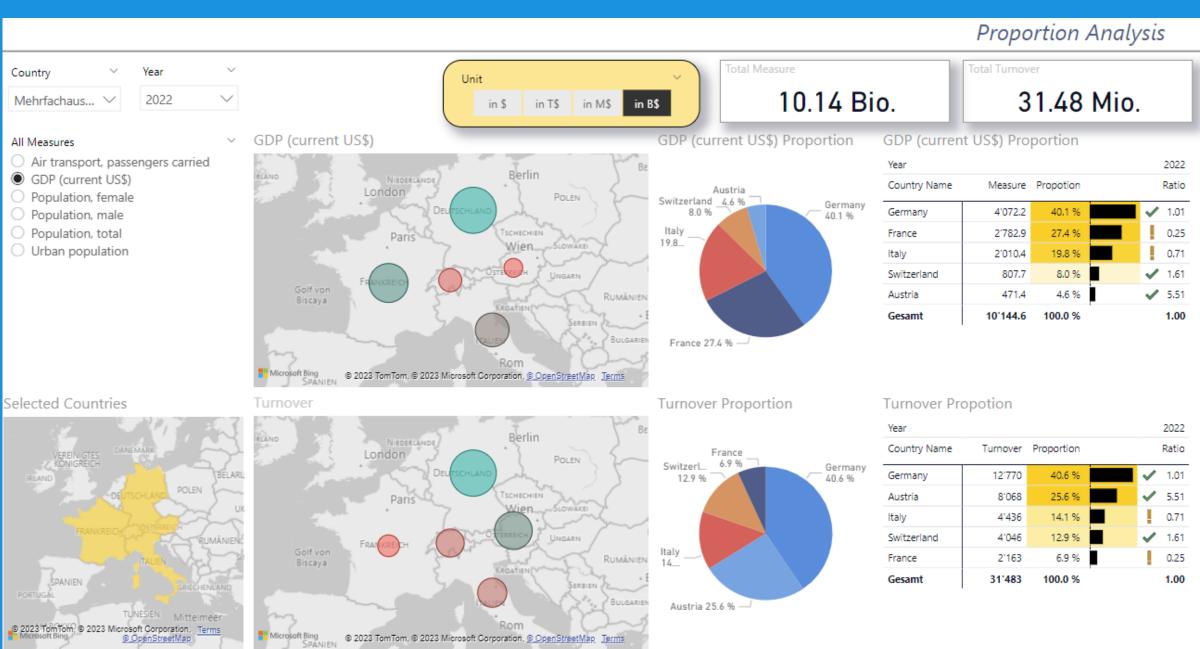
Select "Inflation" and countries / years. Analyse if YoY-changes of "Inflation" and "Turnover" correlate.



The report pages should work for yearly, monthly but also continuously time series, like "DAX index".



Analyse if proportion of "GDP" corresponds to your Turnover and use the Ratio to draw conclusions.



Datasources: Worldbank, Ifo and WSJ-Markets

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Was this helpful for you?

I published my PowerBI report on novyPro, which is a nice platform for data analysts. You can open and work with my PowerBI report on the novyPropage without installing anything:

novypro.com/profile_projects/andreastraut

Please follow me on LinkedIn!

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