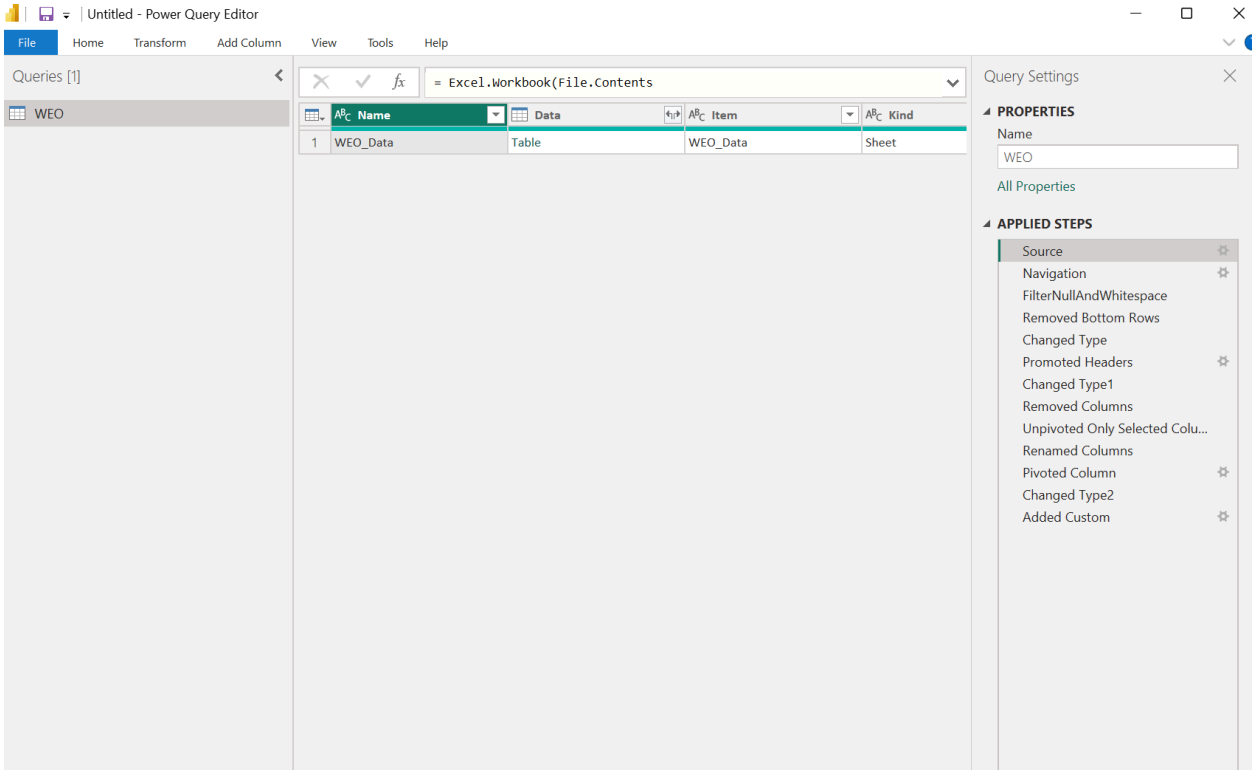
Documentation:

To approach this task, I first sourced the required indicators, GDP (constant prices, % change) and Inflation (average consumer prices, % change), for the specified countries from the IMF World Economic Outlook dataset for the years 2015–2024. I cleaned and transformed the data using Power Query, ensuring it was structured to support year-wise and country-wise filtering. I then created key visuals: a line chart to show GDP growth trends over time, a bar chart to compare inflation rates for the latest year, and a KPI card for average GDP growth. I also added country-level slicers and created a calculated measure for 3-year moving average GDP using DAX. Additionally, I introduced an “Economic Zone” column to enable a region-based drill-through analysis.

A key challenge was dealing with the year column as a numeric field, which required using custom logic in DAX for time-based calculations like the moving average, since time intelligence functions expect date formats. Another consideration was ensuring the visuals remained interpretable and relevant across all filter combinations. To support non-technical users, I focused on intuitive design, using clear titles, consistent colors, and slicers. I would also offer a brief walkthrough or tooltip text to explain each visual’s purpose and how filters affect the insights shown.

I have attached pictures of various steps that were done while solving the questions, additionally a .pbix file can be found in github repo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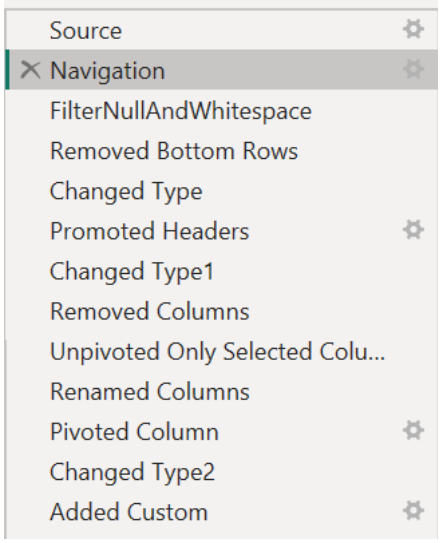
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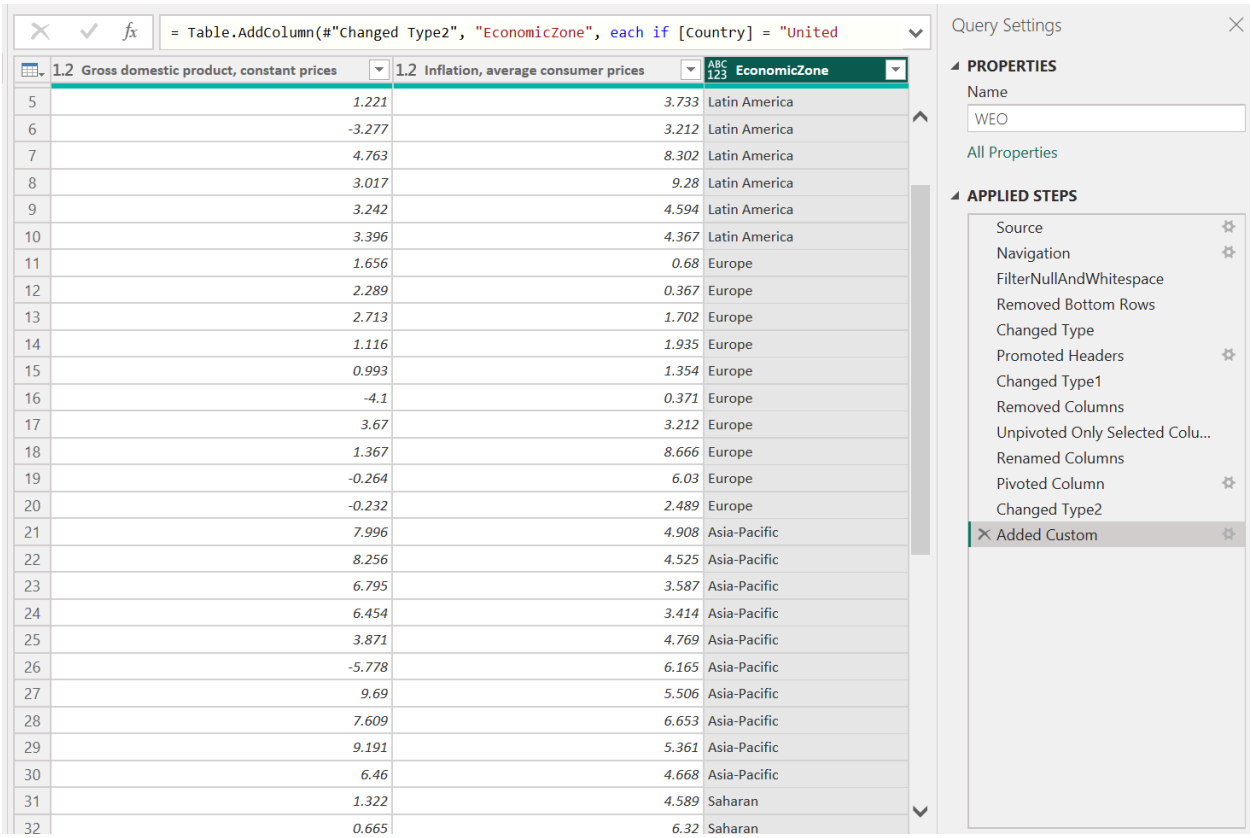
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1.2 Gross domestic product, constant prices
1.2 Inflation, average consumer prices
ABC 123 EconomicZone
5 1.221 3.733 Latin America
6 -3.277 3.212 Latin America
7 4.763 8.302 Latin America
8 3.017 9.28 Latin America
9 3.242 4.594 Latin America
10 3.396 4.367 Latin America
11 1.656 0.68 Europe
12 2.289 0.367 Europe
13 2.713 1.702 Europe
14 1.116 1.935 Europe
15 0.993 1.354 Europe
16 -4.1 0.371 Europe
17 3.67 3.212 Europe
18 1.367 8.666 Europe
19 -0.264 6.03 Europe
20 -0.232 2.489 Europe
21 7.996 4.908 Asia-Pacific
22 8.256 4.525 Asia-Pacific
23 6.795 3.587 Asia-Pacific
24 6.454 3.414 Asia-Pacific
25 3.871 4.769 Asia-Pacific
26 -5.778 6.165 Asia-Pacific
27 9.69 5.506 Asia-Pacific
28 7.609 6.653 Asia-Pacific
29 9.191 5.361 Asia-Pacific
30 6.46 4.668 Asia-Pacific
31 1.322 4.589 Saharan
32 0.665 6.32 Saharan
Query Settings
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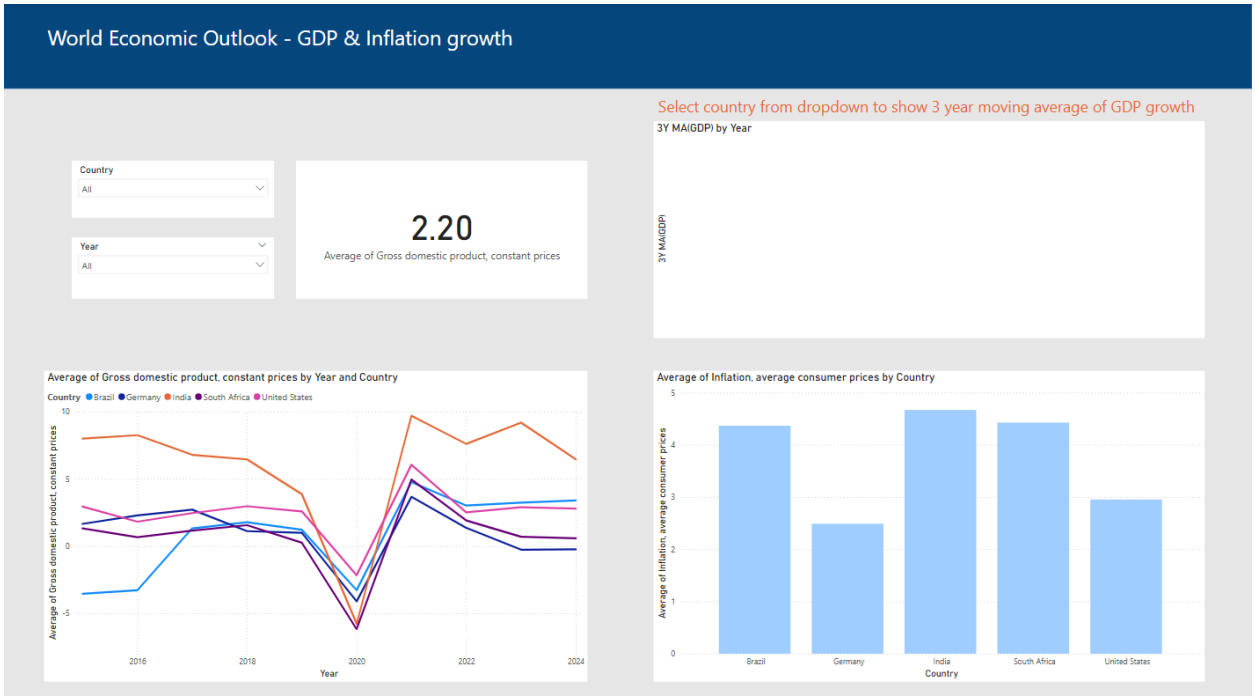
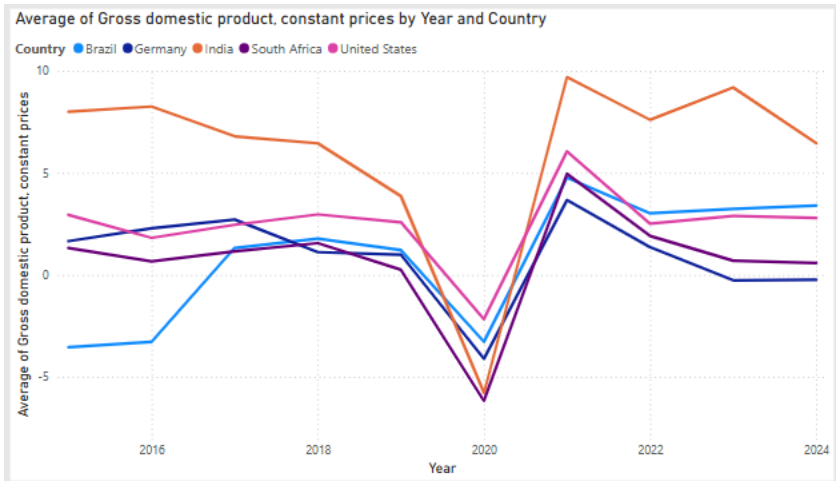
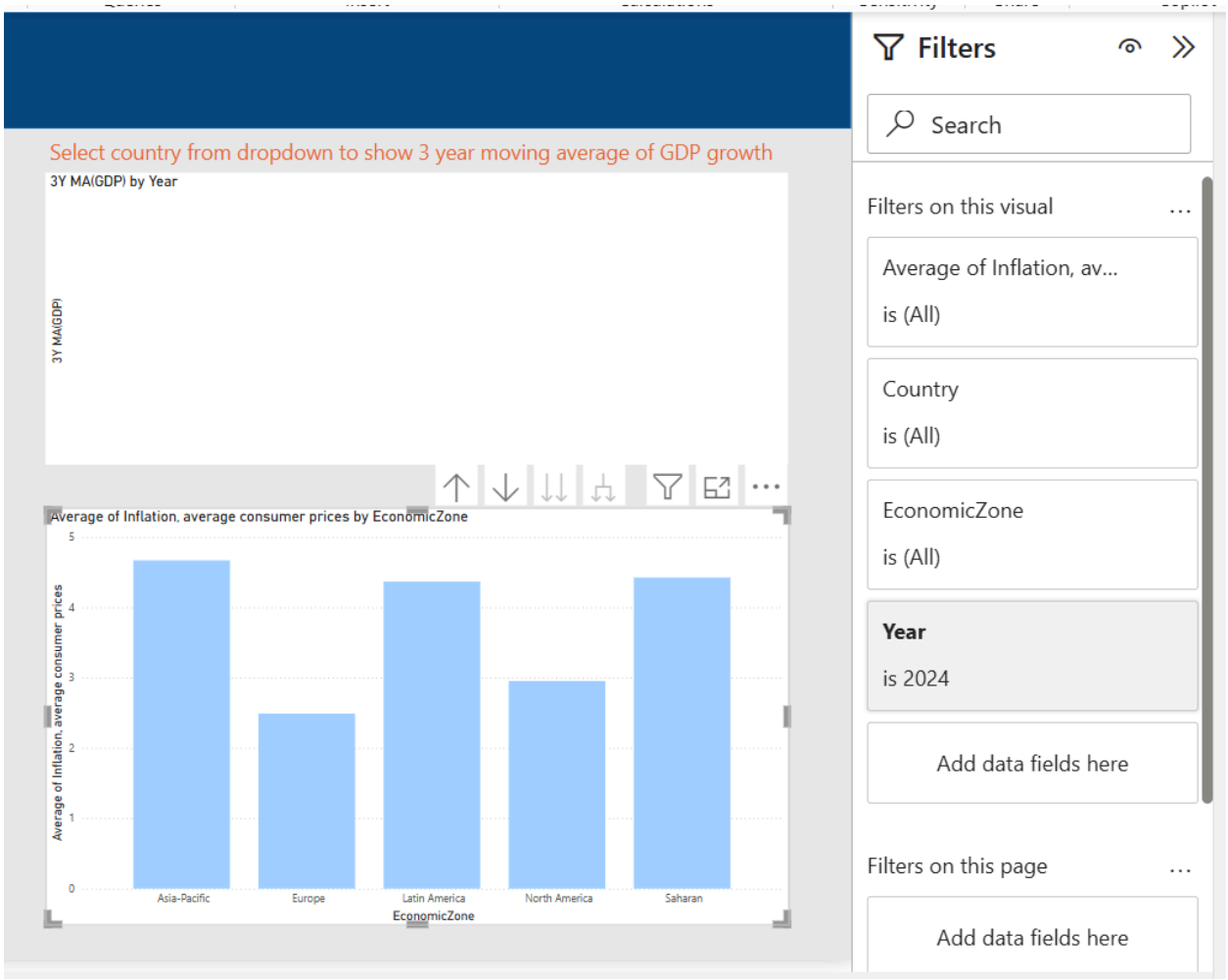
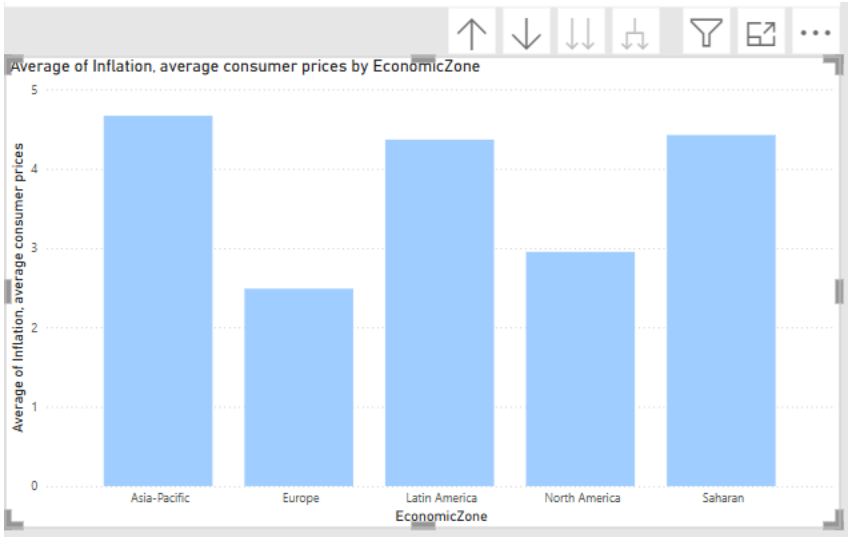
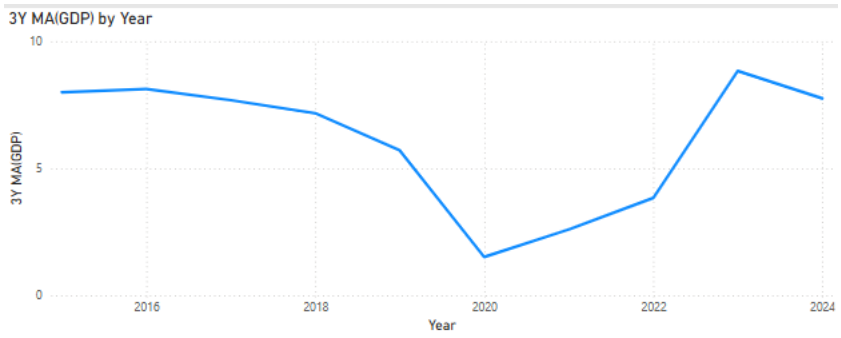

World Economic Outlook - GDP & Inflation growth
Country
All
Year
All
2.20
Average of Gross domestic product, constant prices
Select country from dropdown to show 3 year moving average of GDP growth
3Y MA(GDP) by Year
3Y MA(GDP)
Average of Gross domestic product, constant prices by Year and Country
Country Brazil Germany India South Africa United States
Average of Gross domestic product, constant prices
10
5
0
-5
2016
2018
2020
2022
2024
Year
Average of Inflation, average consumer prices by Country
Average of Inflation, average consumer prices
5
4
3
2
1
0
Brazil
Germany
India
South Africa
United States
Country

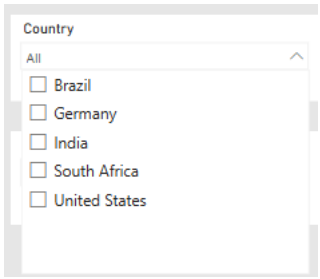

Average of Gross domestic product, constant prices by Year and Country
Country Brazil Germany India South Africa United States
Average of Gross domestic product, constant prices
10
5
0
-5
2016
2018
2020
2022
2024
Year

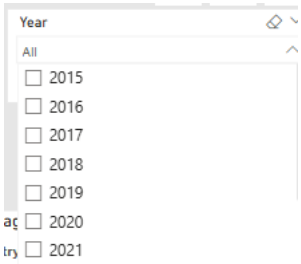




*Drill through page with zonal context


3Y MA(GDP) by Year
10
5
0
3Y MA(GDP)
2016
2018
2020
2022
2024
Year


Country
All
Brazil
Germany
India
South Africa
United States


Year
All
2015
2016
2017
2018
2019
2020
2021


2.20
Average of Gross domestic product, constant prices

```
3Y MA(GDP) = Calculate(AVERAGE(WEO[Gross domestic product, constant prices]),
FILTER(
ALL(WEO),
WEO[Country] = SELECTEDVALUE(WEO[Country]) && WEO[Year]>=MAX(WEO[Year])-2
&& WEO[Year]<=MAX(WEO[Year])
)
)
```