Population Change in Europe



Sandra Lorente

What are we going to see here?



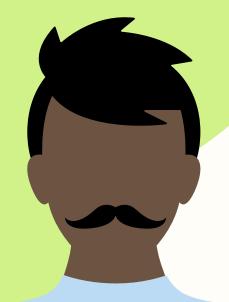
What are the most populated countries in Europe

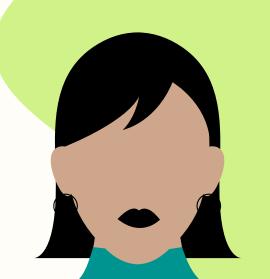
 How the population has changed in the past 20 years?

Why

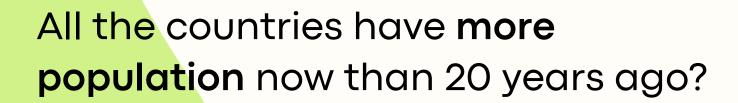
 What is interfiring?/What is determinant?

Context: Population in Europe





Analysis



Countries where the population has grown the most have a higher birth rate?

Countries where the population has grown the least or not gorwn at all have death rates higher than the rest?



Analysis



Is there a direct relation between immigration/emmigration and increase of the population)

More GDP more population increase?

What **SEX** has increased the most?

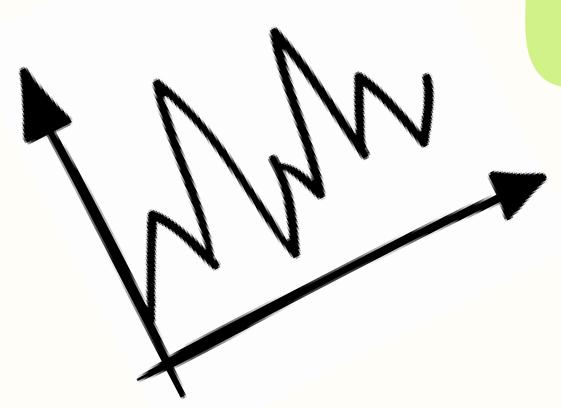


Data?

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Graphics



Conclusions



Conclusions

All the countries have more population now than 20 years ago?



Countries where the population has grown the most have a higher birth rate?



No



Countries where the population has grown the least or not grown at all have death rates higher than the rest?



Yes



Conclusions



Is there a direct relation on immigration/emmigration and increase of the population)



More GDP more population increase?



What **sex** has increased the most?





Code

```
2 comb["AVG"].corr(comb["GDP"])
df.rename(columns={'geo': 'COUNTRY', 'indic_de': 'INDEX',
                 'TIME_PERIOD': 'YEAR', 'OBS_VALUE': 'VALUE'}
                                                                 0.05
 pnplace=!rue[]
df=df.drop(["DATAFLOW","LAST UPDATE","OBS_FLAG","freq"],axis=1)
                                                               0.9414193201908115
       result = comb.groupby('COUNTRY')[['FAVG', 'MAVG']].agg(['first', 'last']).reset_index()
           comb = pd.merge(df_ordered, pib,
       result['FEMALES'] = result['FAVG']['last'] - result['FAVG']['first']
        result['MALES'] = result['MAVG']['last'] - result['MAVG']['first']
```



Questions?

