

# Under 5 years mortality indicators in Argentina

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## Dataset(s)

In this project we will be using an open dataset from [Kaggle](#). The [World Development Indicators Dataset](#).

This is a slightly modified version of the original dataset from The World Bank List of the available indicators and a list of the available countries.

# Motivation

In this project we are interested to discover which factors could influence in children under 5 years mortality in Argentina.

With this purpose in mind we will explore the World Development Indicators Dataset looking for this indicators.

Later we will compare our results with this of neighboring countries in order to find out if this indicators are also present in that countries.

## **Research Question(s)**

What are the key indicators that could influence in children under 5 years mortality in Argentina and its neighboring countries?

## Findings

After a data exploration, we find 4 indicators related with “under 5 years old”. They are:

- 'SH.STA.OWGH.ZS': 'Prevalence of overweight, weight for height'
- 'SH.STA.STNT.ZS': 'Prevalence of stunting, height for age'
- 'SH.STA.MALN.ZS': 'Prevalence of underweight'
- 'SH.ANM.CHLD.ZS': 'Prevalence of anemia among children'

The indicator related with child under 5 mortality is:

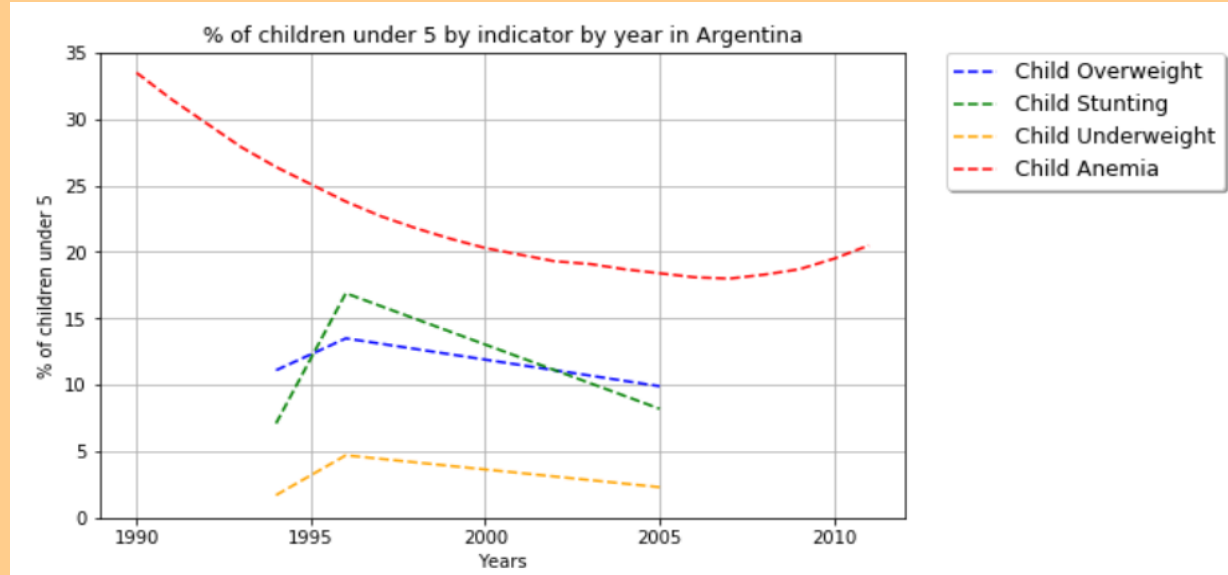
- Number of under-five deaths'

## Number of under-5 deaths in argentina



In this graph we can see how the number of deaths of children under 5 was decreasing over the years

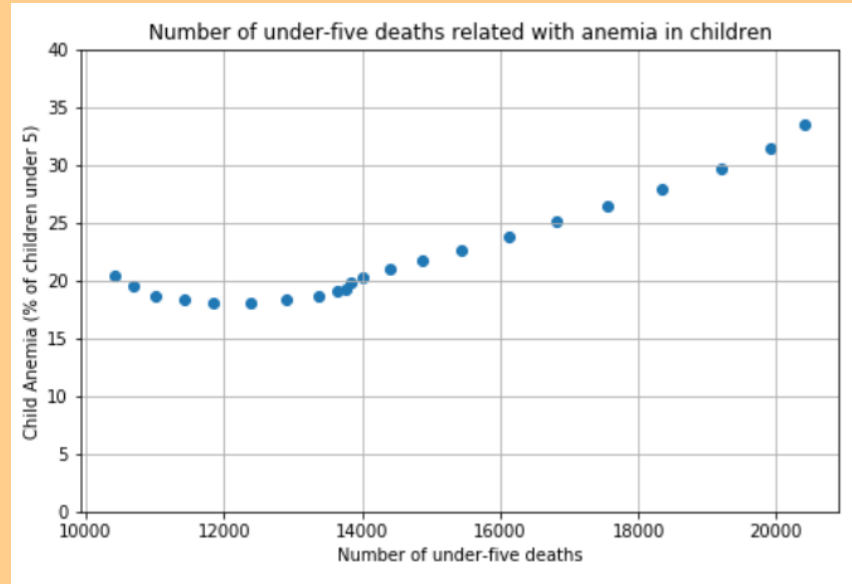
# Plot of the under 5 years old indicators over the years in Argentina



The graph above seem to show that Child Anemia is a key indicator in children under 5 over the years. We will use this indicator to do a deep analysis and to find out if it is related with the mortality

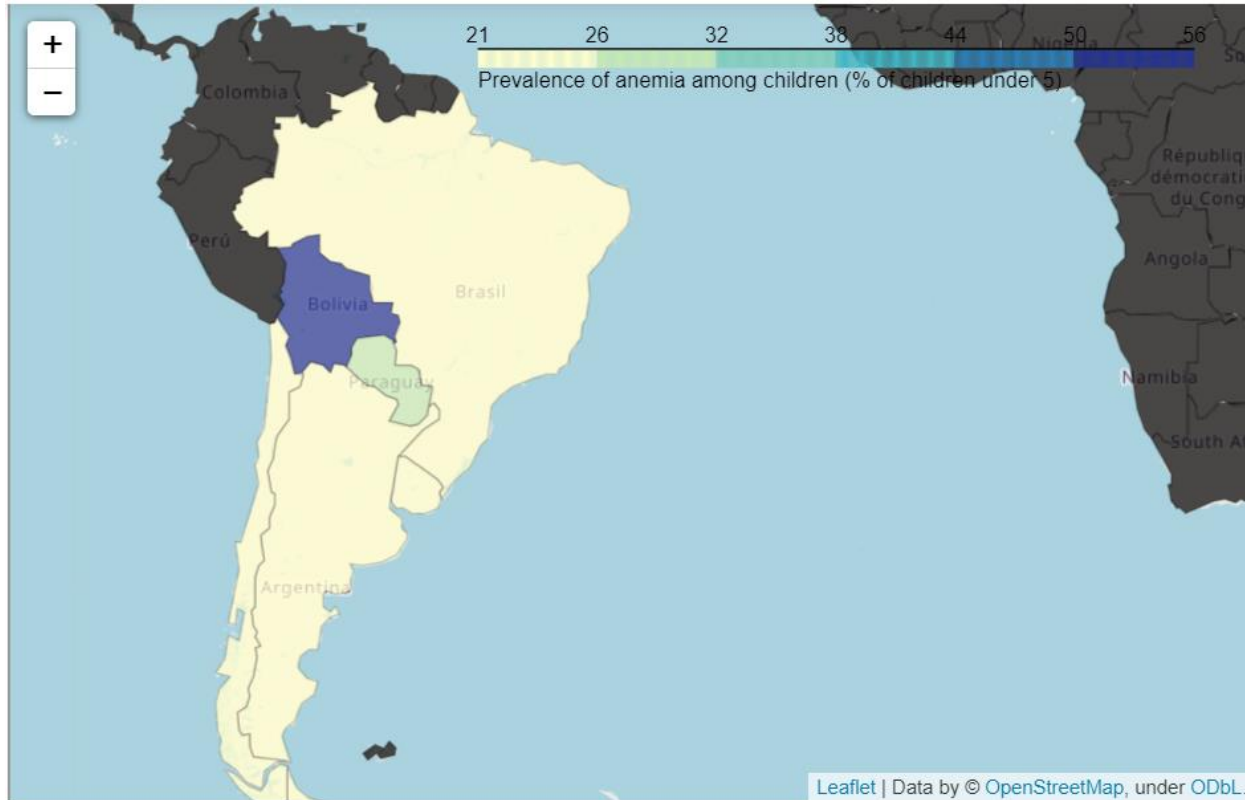
# Relation between the Number of under-five deaths and Child Anemia in Argentina

The resulting graph shows us that there is a strong relationship between the % of child anemia and the number of under-five deaths in Argentina.





# What about the bordering countries of Argentina?



In the map we can see the % of children under 5 with anemia. We can also see that Bolivia have the highest numbers.

## Conclusion

- After this research we can conclude that Child Anemia is one of the key indicator related with the mortality of children under five in Argentina.
- We also see that this indicator might influence in their neighbours countries.
- It remains for future research to verify if this indicator has such a close relationship with infant mortality in each country.

# Notebook

- This is the notebook I used for this project



Adobe Acrobat  
Document