**Presentation**

Hello my name is Gabriel, this post is part of project 1 for the Udacity Nano Degree Data Scientist Diploma. I am Brazilian but I have lived in Canada for a few years, more specifically in the province of Quebec. And my daughter was born in 2018

**Introduction**

Quebec is the second largest province in Canada in number of inhabitants and French is spoken here.

Montreal is the second largest French-speaking city in the world, just behind Paris in France.

I decided to analyze the birth data from April 2013 until March 2020 (all available in donneesquebec.ca). This is an interesting question for me, as I have been a father for just over 2 years and the increase and maintenance of the number of births is essential for a place to continue to exist and be able to pay the retirement of the elderly.

**Questions**

Quebec is divided into 17 administrative regions.

The questions I intend to answer are:

1) 5 regions with more births in each period

2) 3 regions with fewer births in each period

3) Regions and periods where mortality at birth was highest

4) Regions and periods where mortality at birth was lower

5) Regions and periods where there were more births with caesarean section

6) Regions and periods where there were fewer births with caesarean section

7) Overview of the province

8) Bonus: 2020-2021 birth prediction based on the variation of the last two periods

Begin workout

**Conclusion**

Unfortunately, in the majority of the analyzed periods, the birth rate decreases. But luckily in the last 3 periods we have timid growth.

I already think about private retirement alternatives for my last days.

The government could facilitate the immigration of couples with children to minimize the problem.

code is here

linkedin profile