



# BORDER CROSSING DATA ANALYSIS

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# INTRODUCTION

- Data collection: Kaggle and OpenWeatherMap API
- Data cleaning
- Data limitations: Time frame and Traffic Flow



Question 1 – What is the  
busiest border in the US?

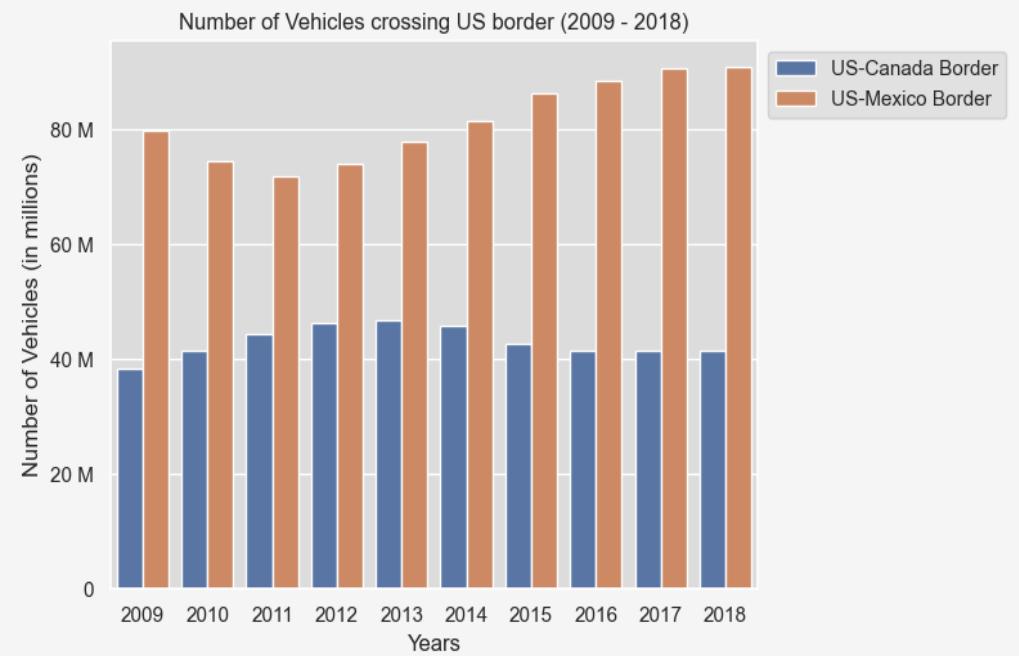
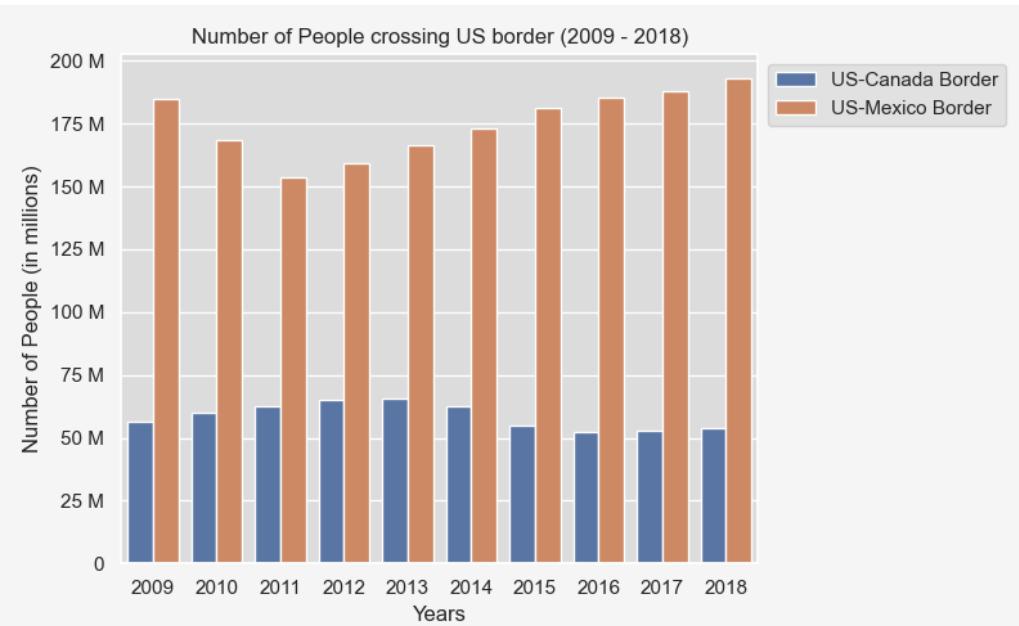


## Question 1

# What is the busiest border in the US ?

- US-Mexico border people traffic is 3 times higher than the US-Canada border.

- The vehicle traffic for the US-Mexico border is 2 times higher than US-Canada border.

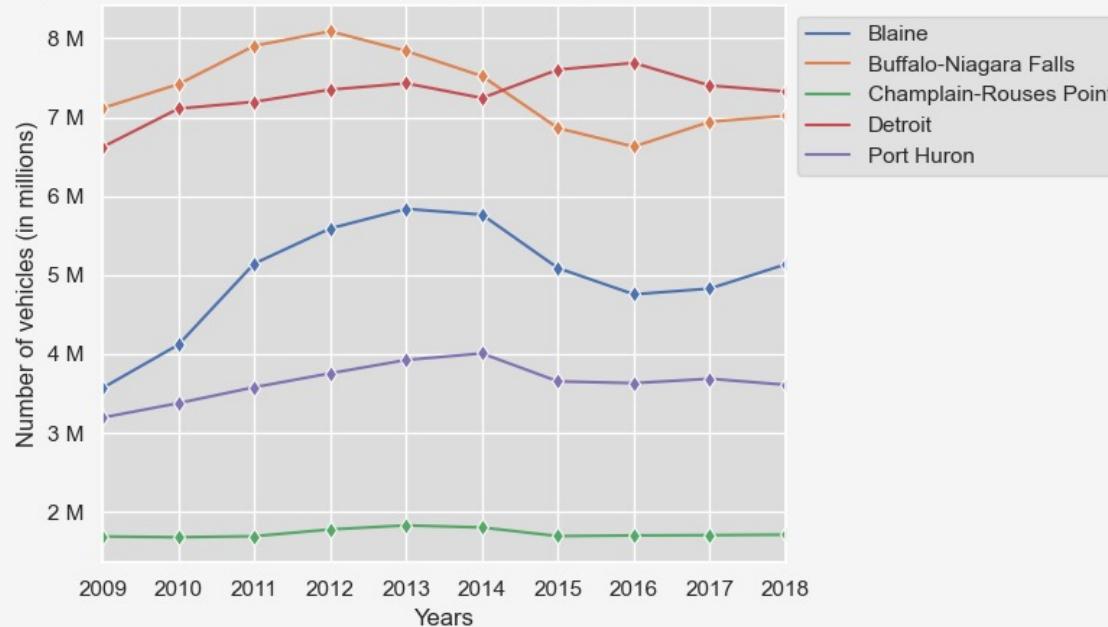


Question 2 - Which are the top five busiest ports between US and Canada?

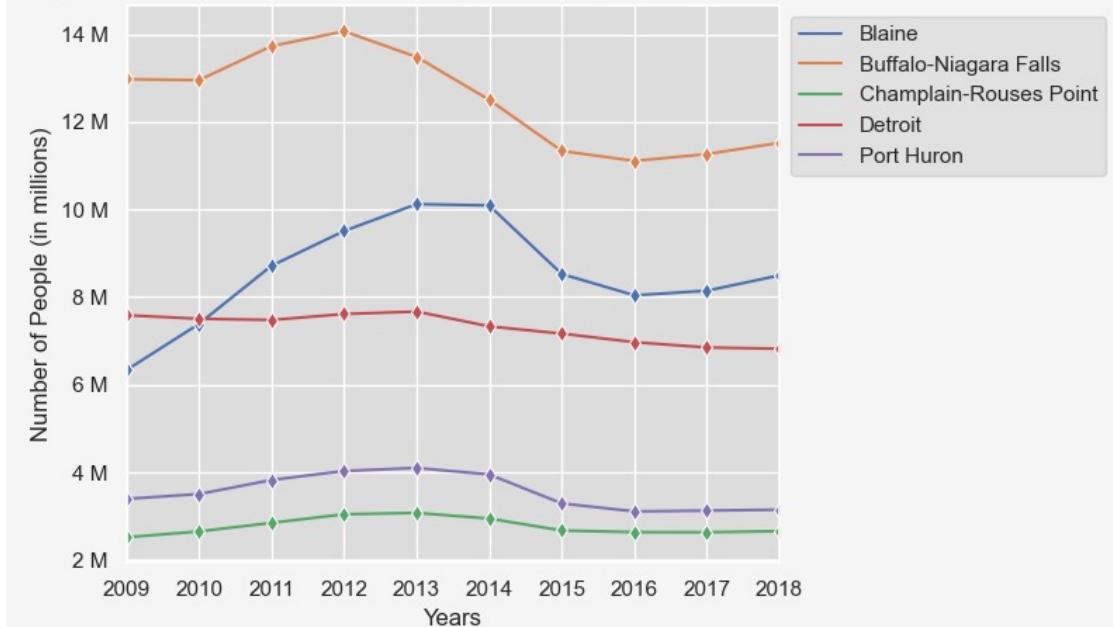


# *People versus Vehicle traffic by port for US-Canada Border*

Top 5 Ports between US-Canada border (2009 - 2018) by Average Vehicle traffic



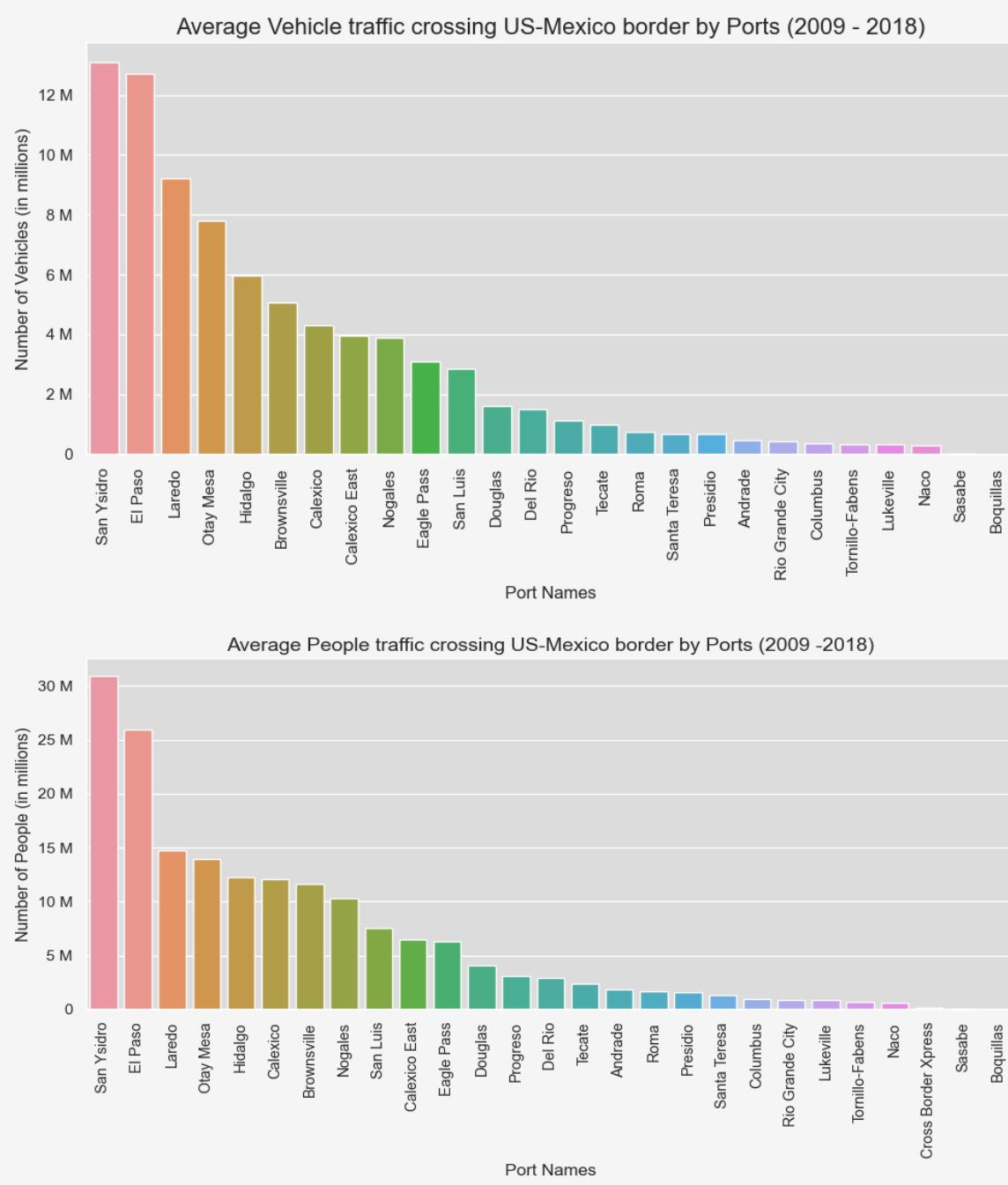
Top 5 Ports between US-Canada border (2009 - 2018) by Average People Traffic



Question 3 - Which  
are the top five  
busiest ports  
between US and  
Mexico?

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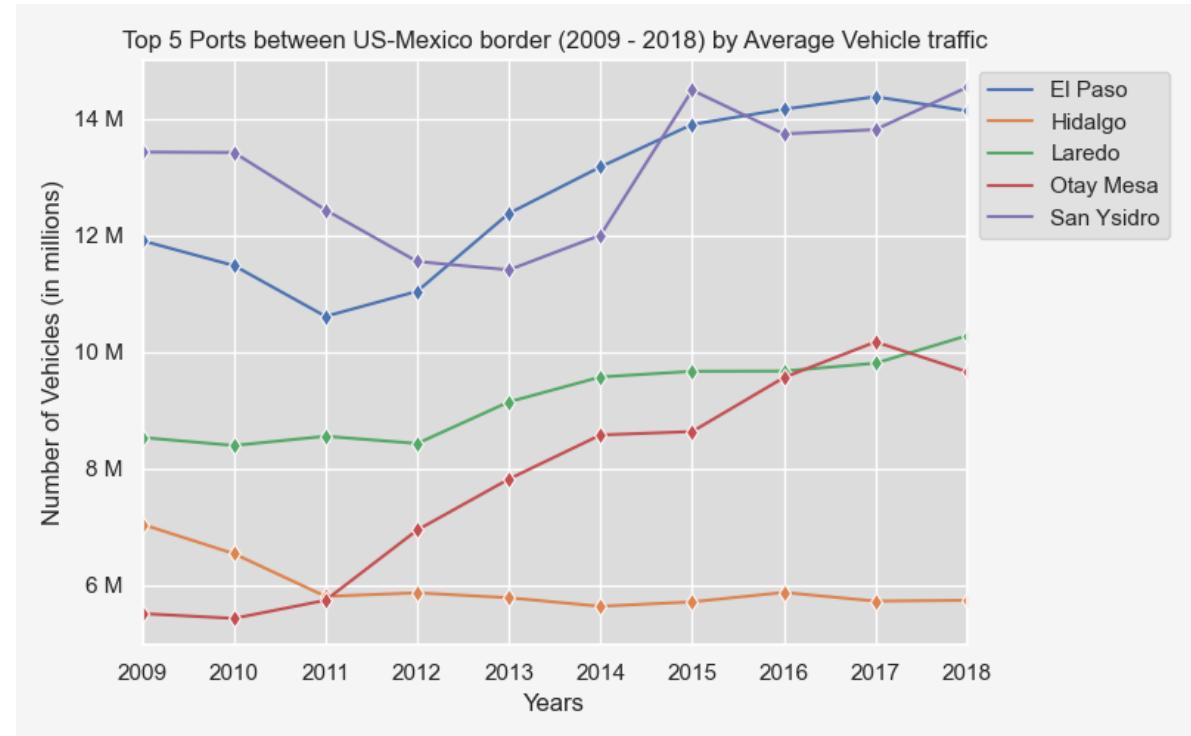
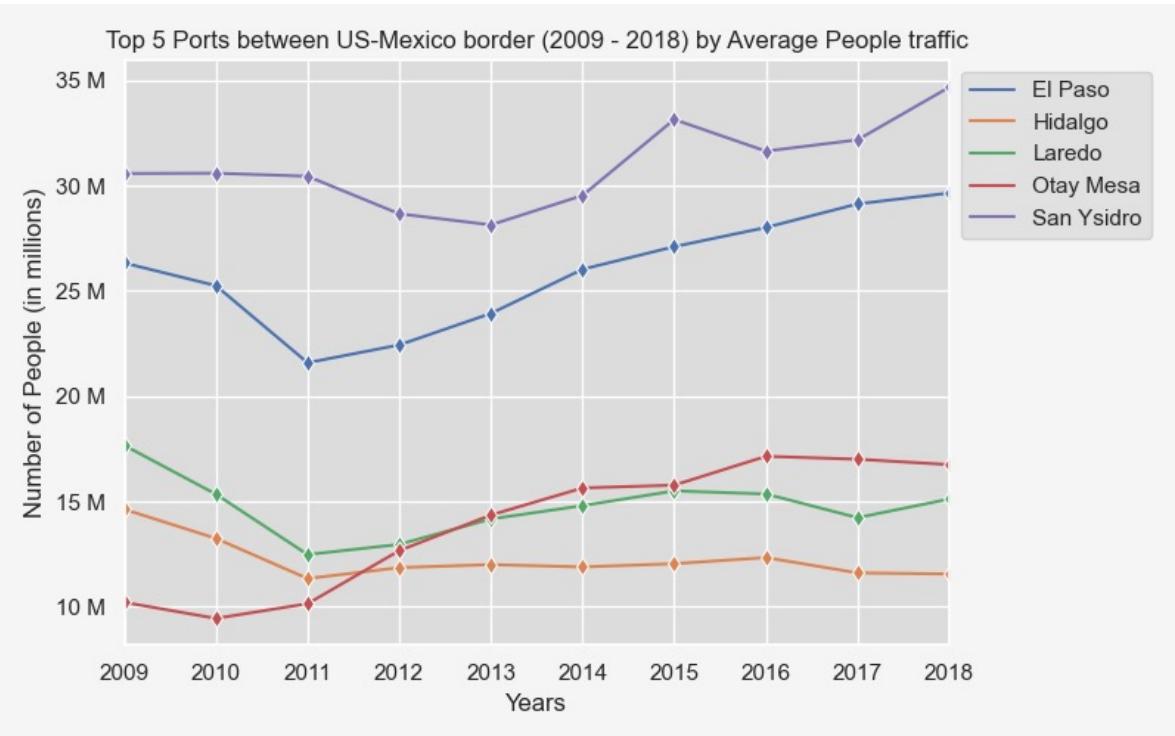




**Question 3: Which are the top 5 busiest ports between US and Mexico across the 10 years?**

### Top 5 busiest ports

- San Ysidro
- El Paso
- Laredo
- Otay Mesa
- Hidalgo



El Paso and San Ysidro remain the most popular ports to cross along the US - Mexico border.

From 2011 onward, there is an upward trend in inbound crossings at all the ports with the exception of Hidalgo.

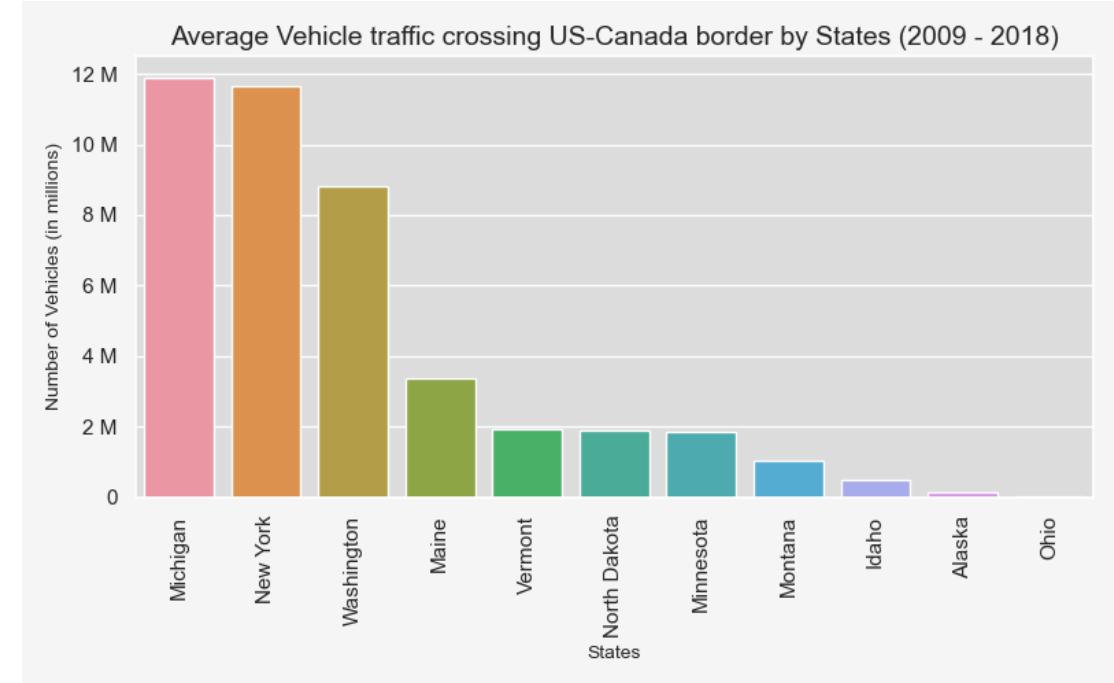
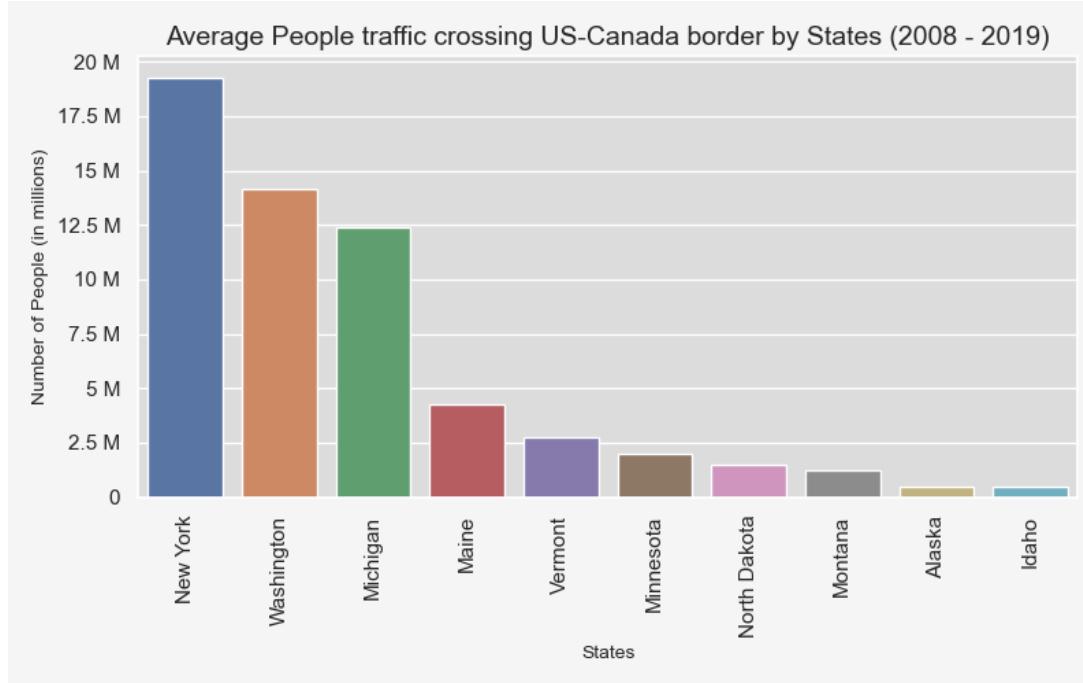


Question 4 - Which  
are the top three  
busiest states  
between US and  
Canada?



**BORDER**

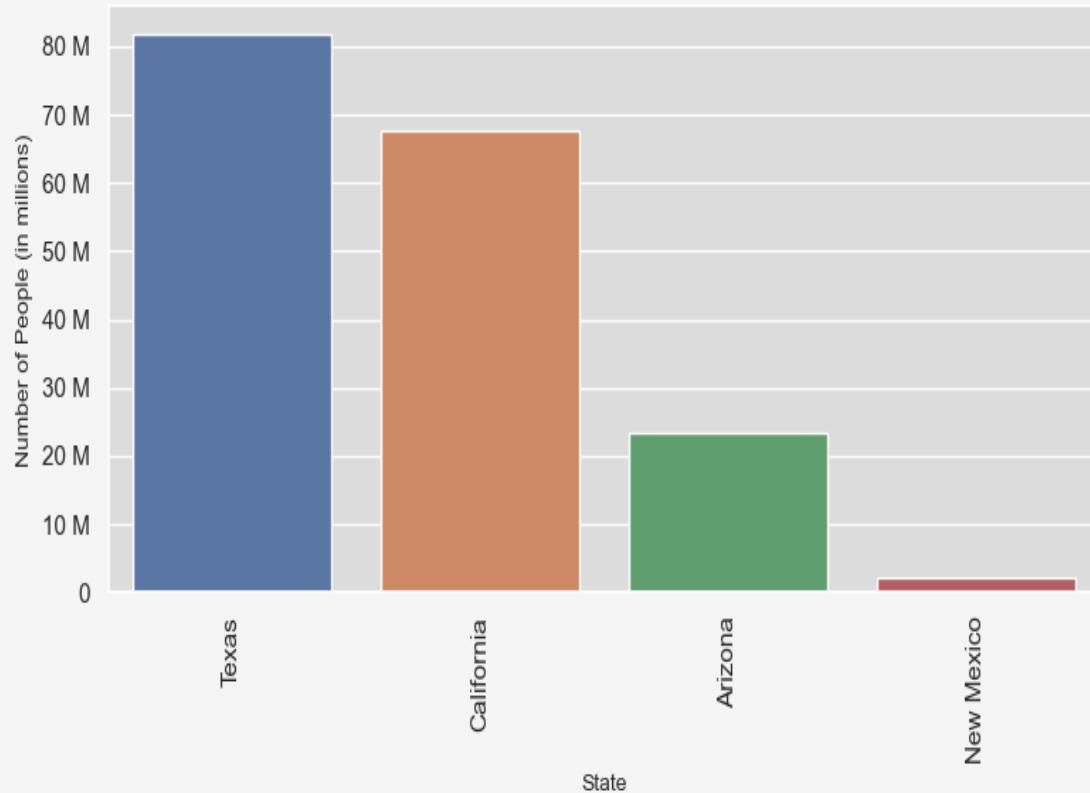
# Top three busiest states between US and Canada



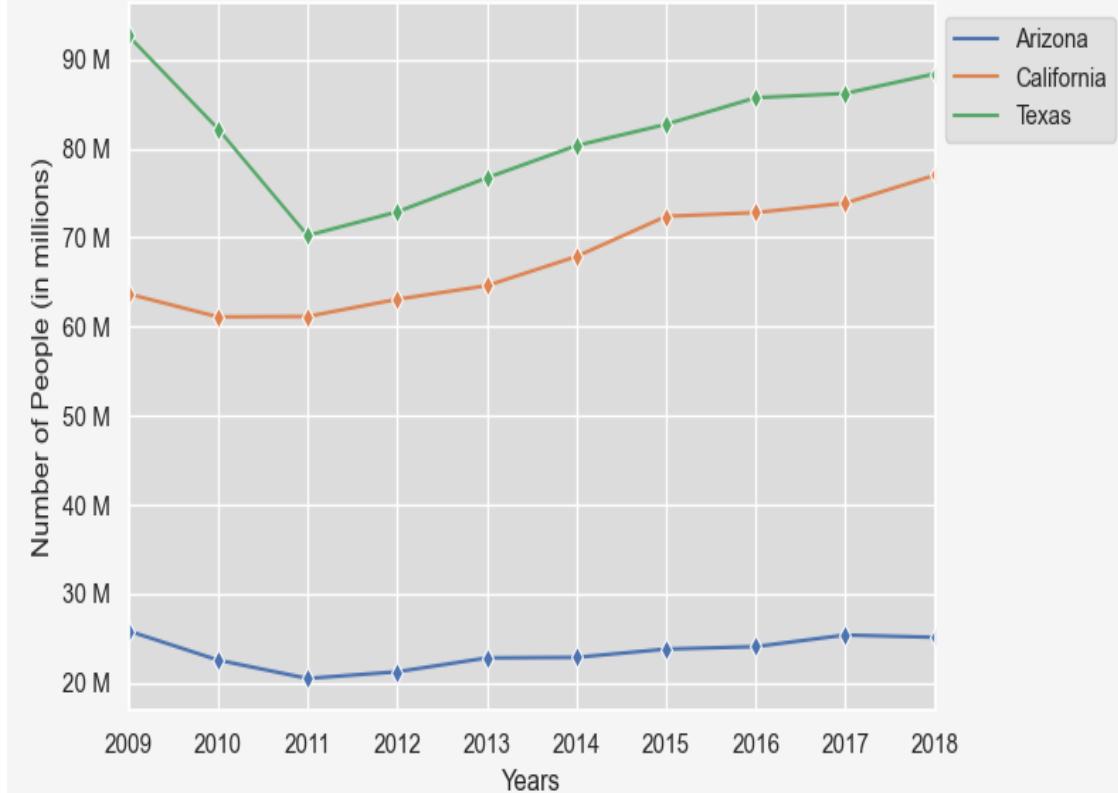
Question 5: Which are the top 3 busiest states across US-Mexico border?



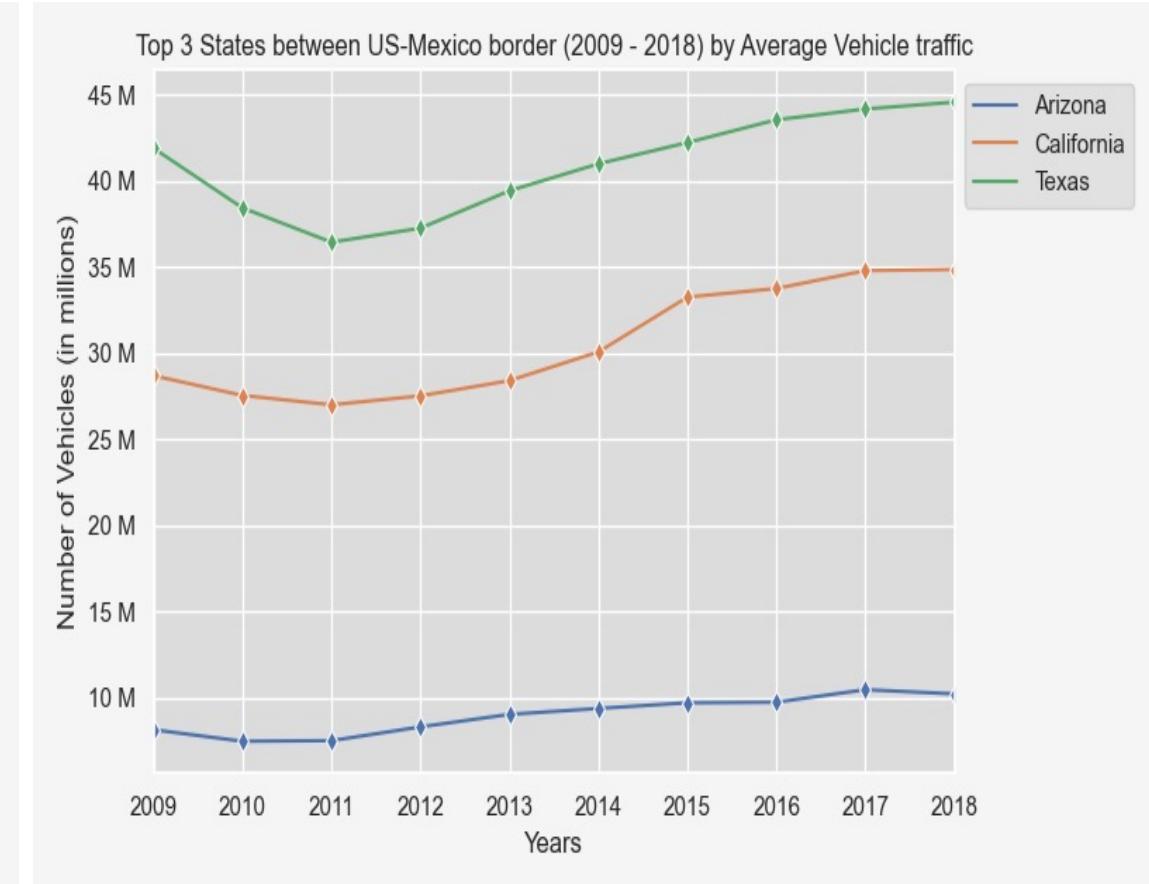
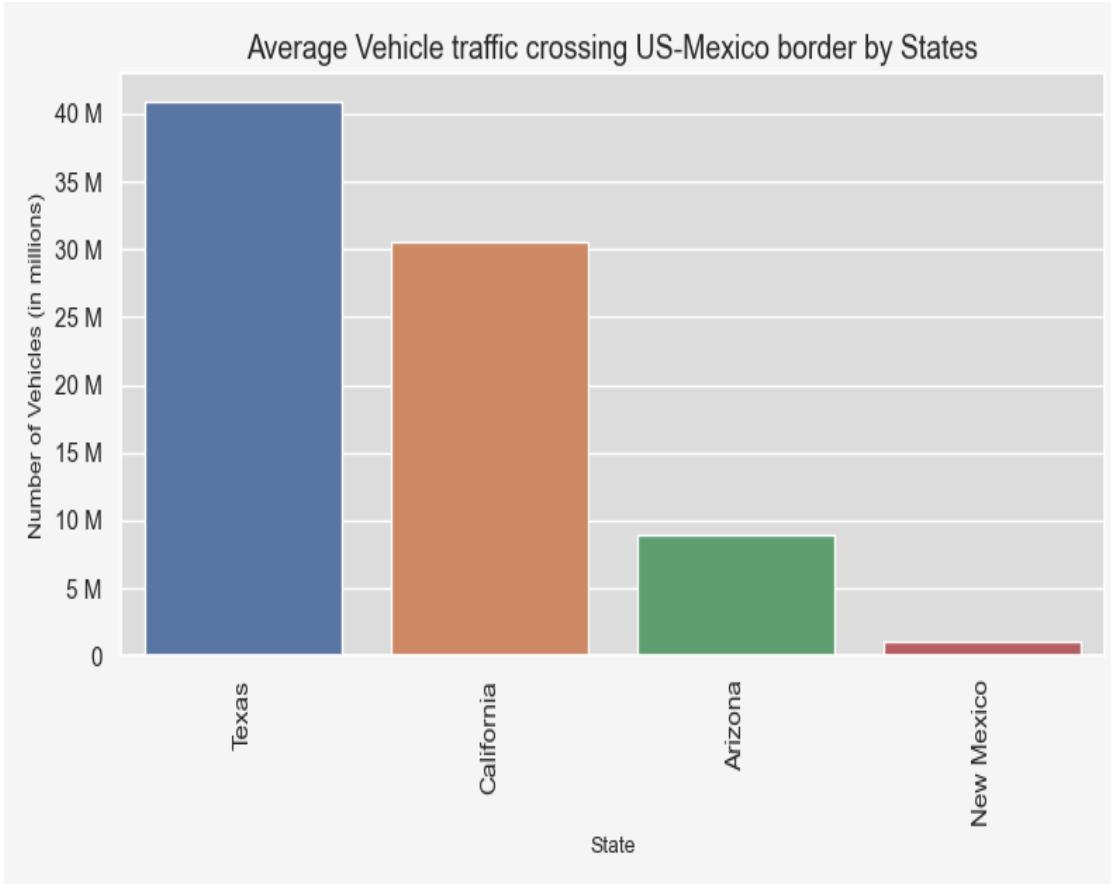
Average People traffic crossing US-Mexico border by State (2009 - 2018)



Top 3 States between US-Mexico border (2009 - 2018) by Average People traffic



- More than 80 million people crossed the border on average into the US from Texas.
  - Texas remains the most active state in regards to border crossings.

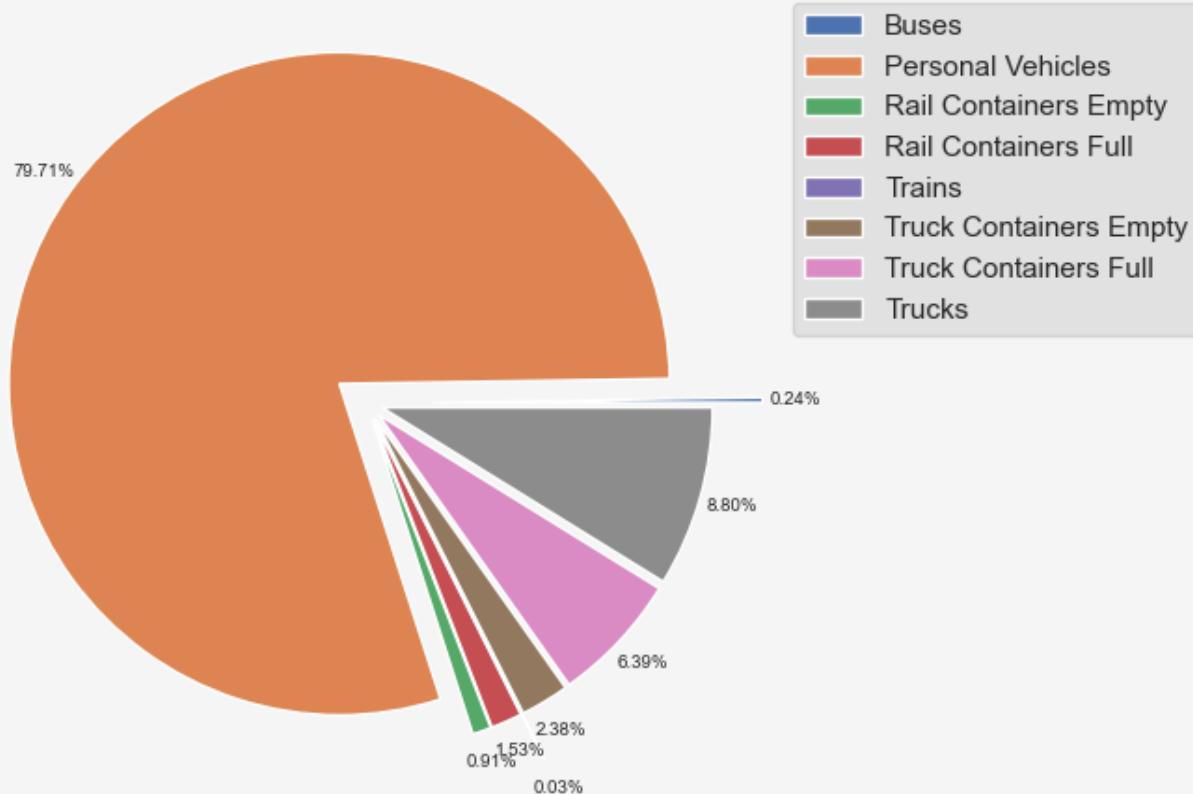


- More than 40 million vehicles crossed the border on average into the US from Texas.
  - Texas remains the most active state in regards to border crossings.



Question 6: What vehicle type is used the most?

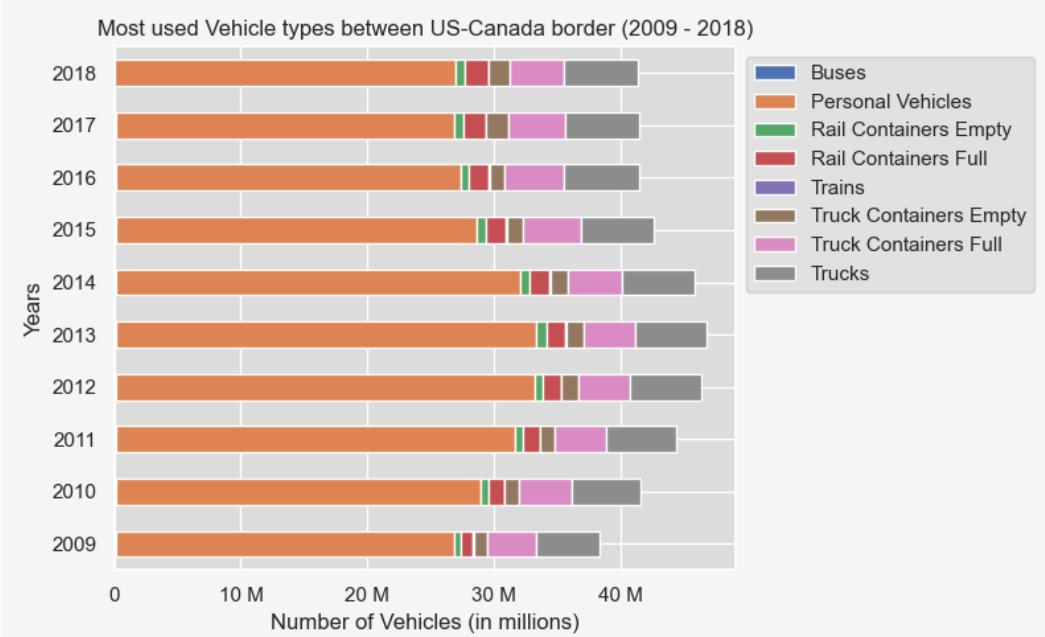
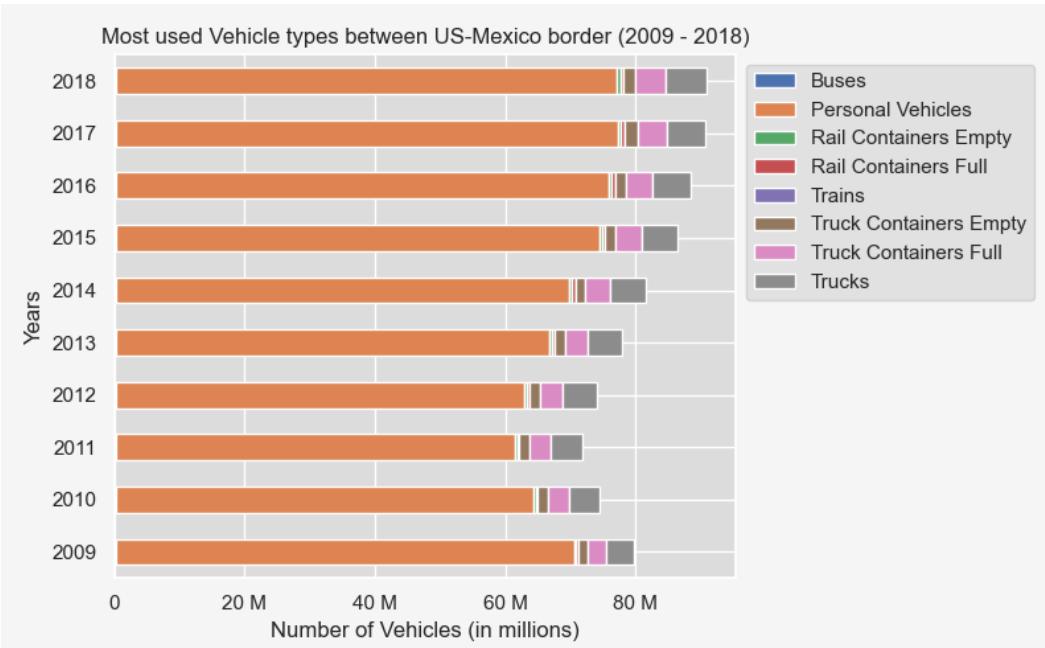
Most used Vehicle types on average between 2009 to 2018 across all US borders



Personal vehicles represent 79.7% of the vehicle volume across the 10 years.

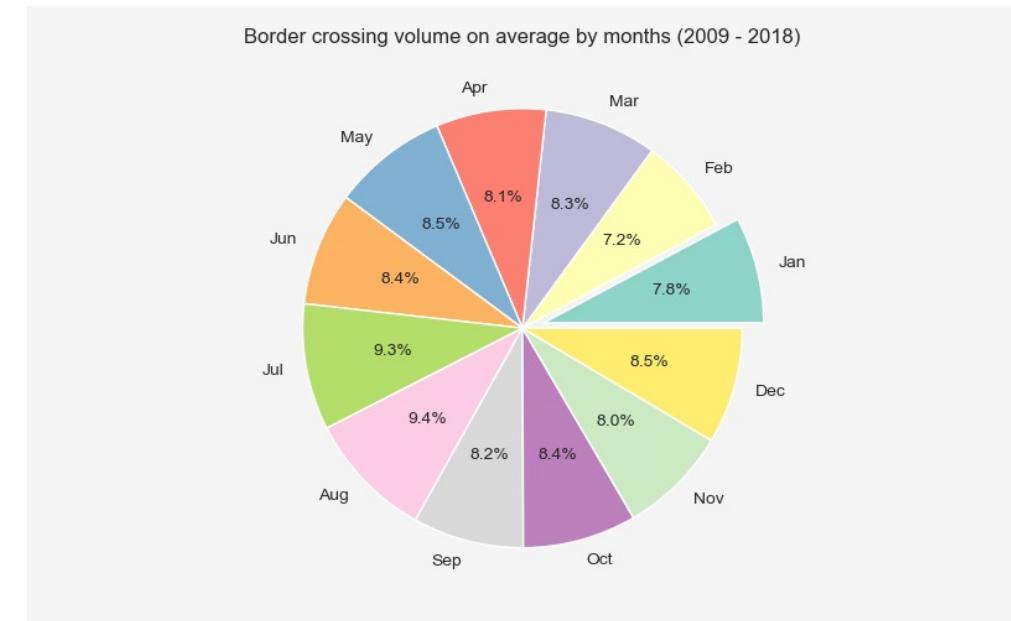
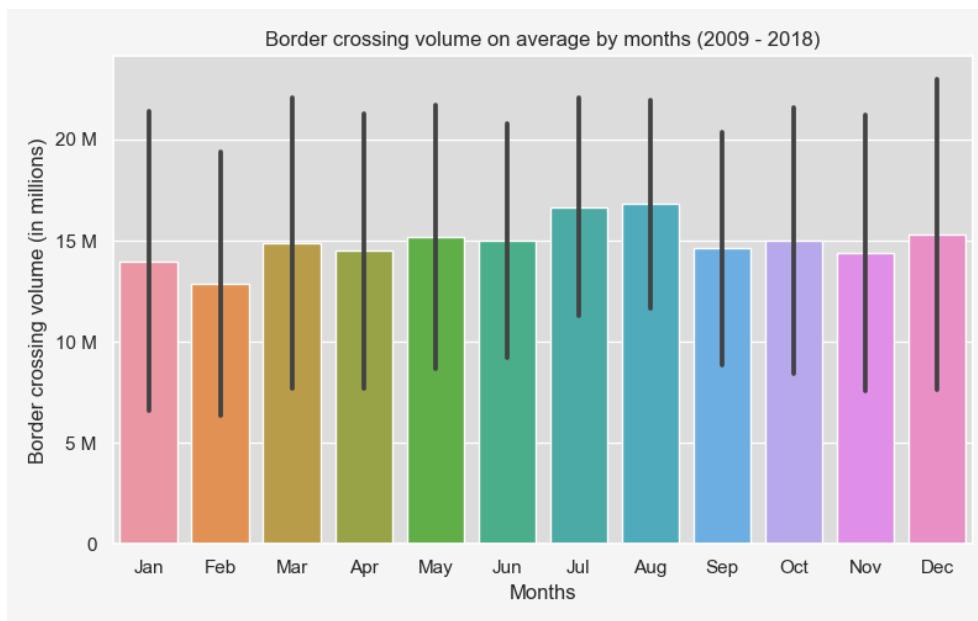


# Vehicle Usage across the borders

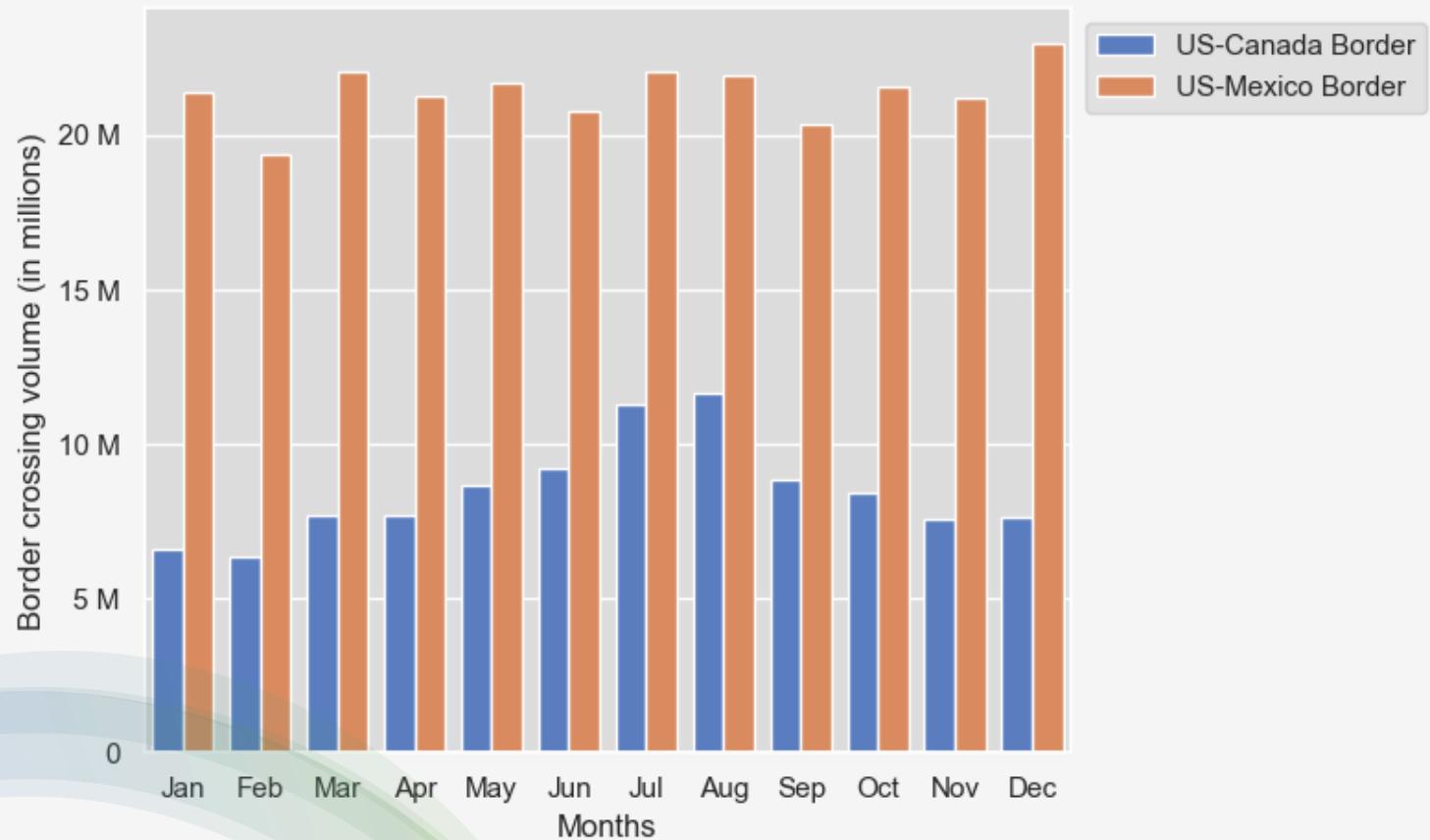


# Question 7: What months are the busiest?

- July (9.3%) and August (9.4%) are busier months of the year
- February (7.2%) and January (7.8%) are slower months of the year



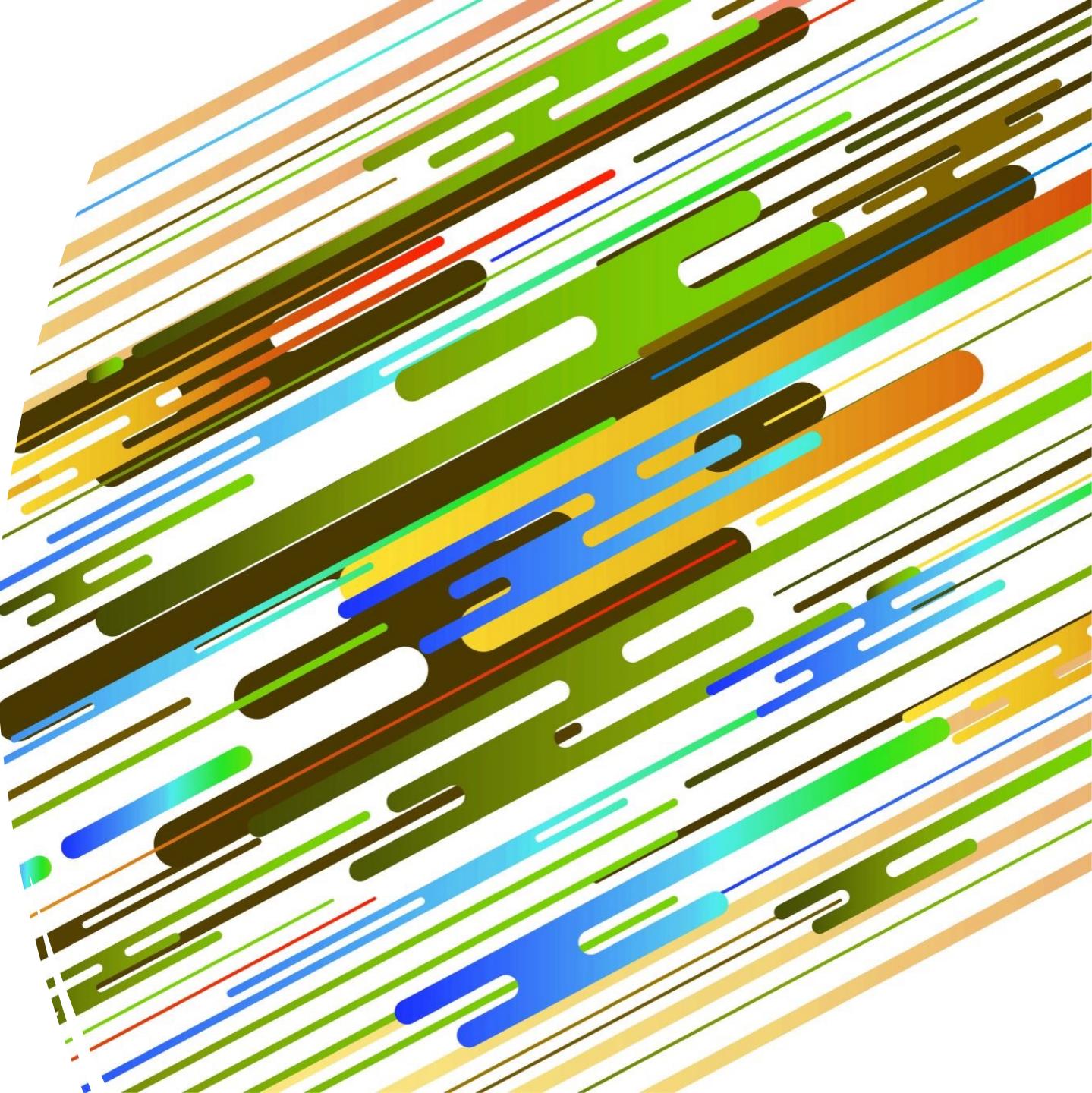
Border crossing volume by month (2009 - 2018)

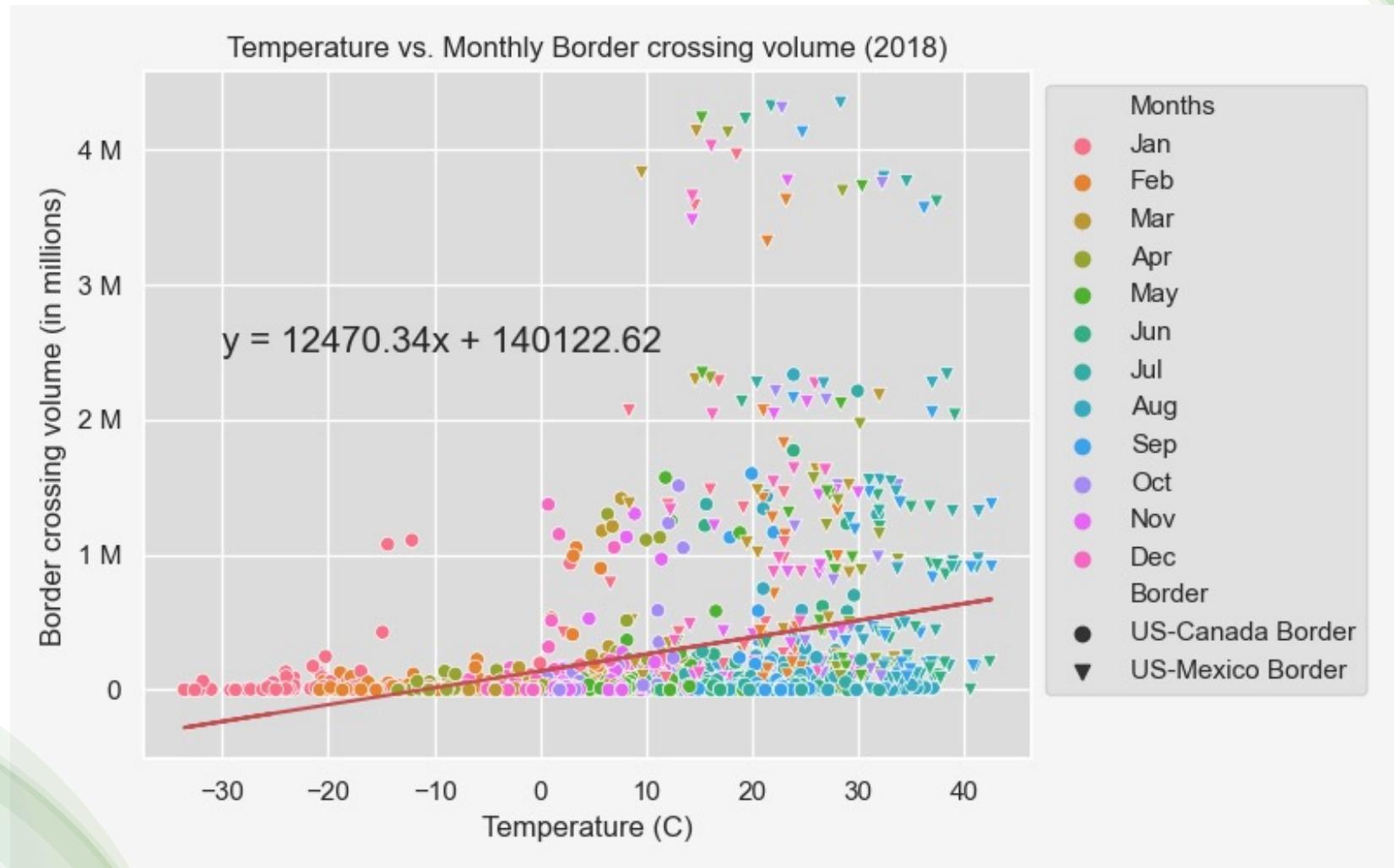


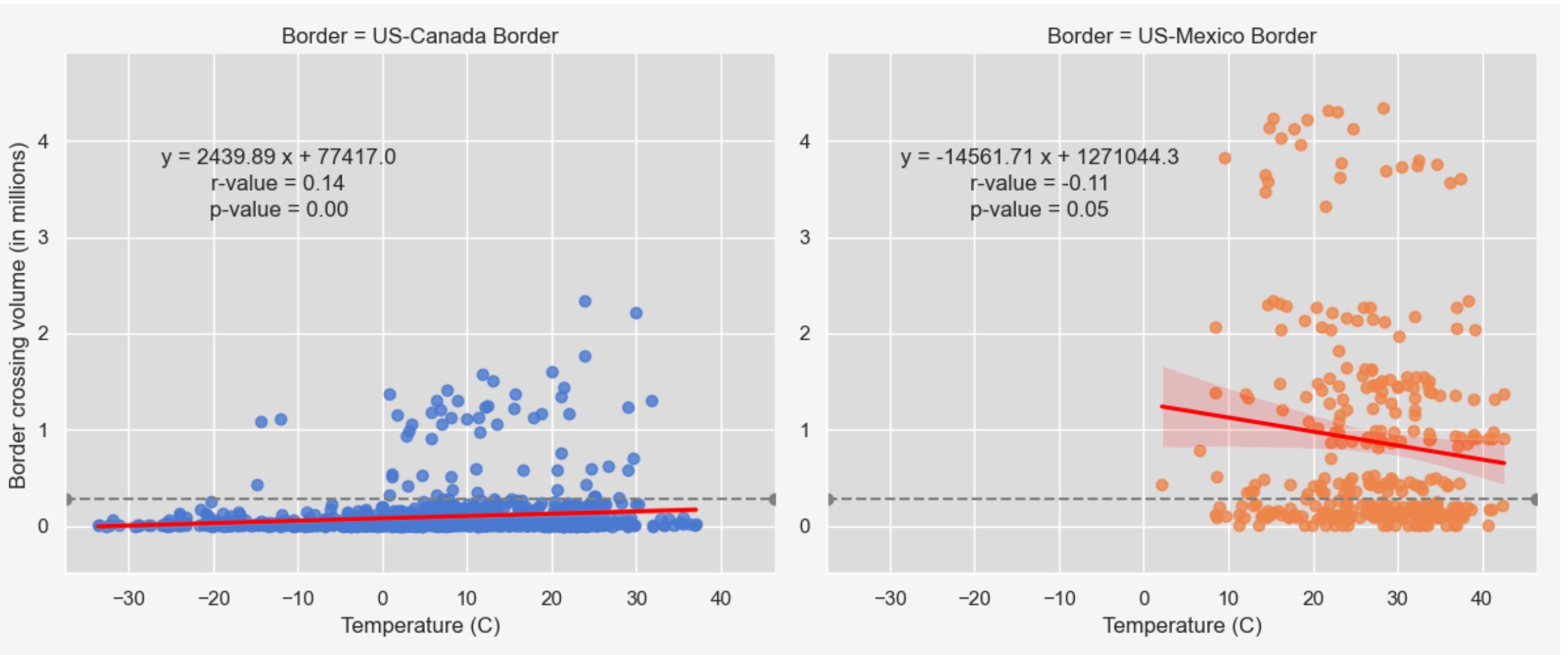
More traffic in the summer  
(US - Canada)

**Question 8: Do  
weather  
conditions  
impact the  
border crossing  
traffic volume?**

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# CONCLUSION

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Q&A