CRASH DATA INTRODUCTION TO THE FATALITY ANALYSIS REPORTING SYSTEM

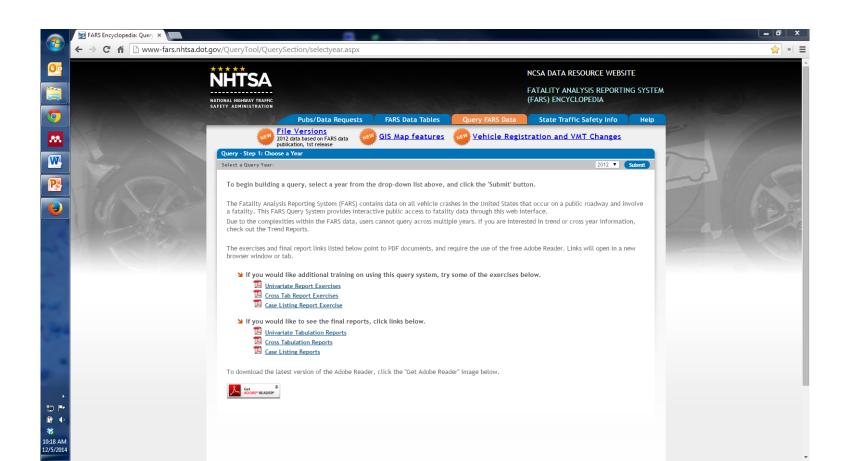
Module 1: Crash Prevention

Lesson 3: Road Weather Information Systems

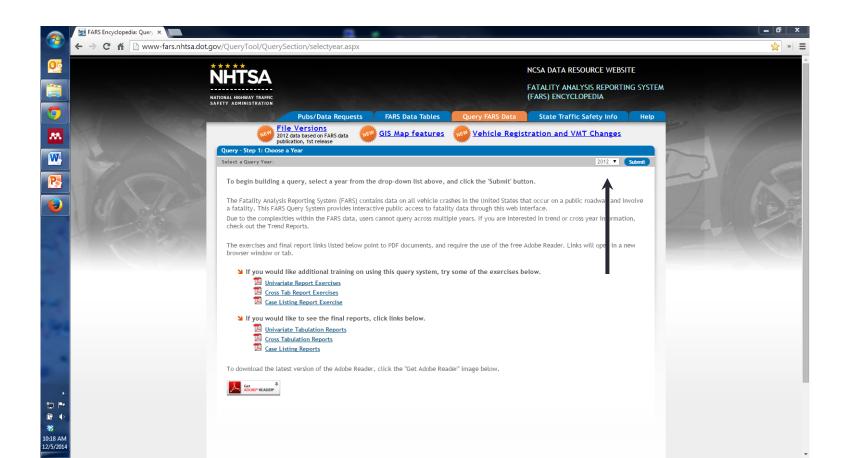
Discussion

- Do you think more crashes happen when the roads are dry or wet?
- What about when the roads are icy?
- What other types of weather may contribute to crashes?

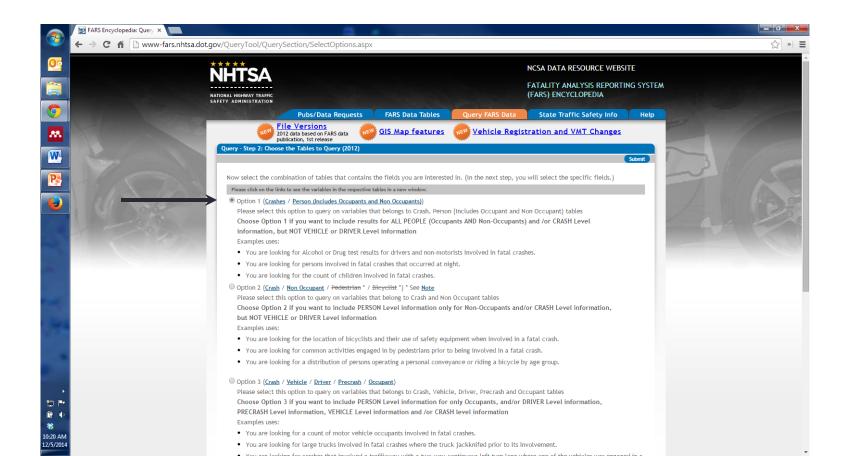
- Fatality Analysis Reporting System (NHTSA)
 - http://www-fars.nhtsa.dot.gov/QueryTool/QuerySection/selectyear.aspx



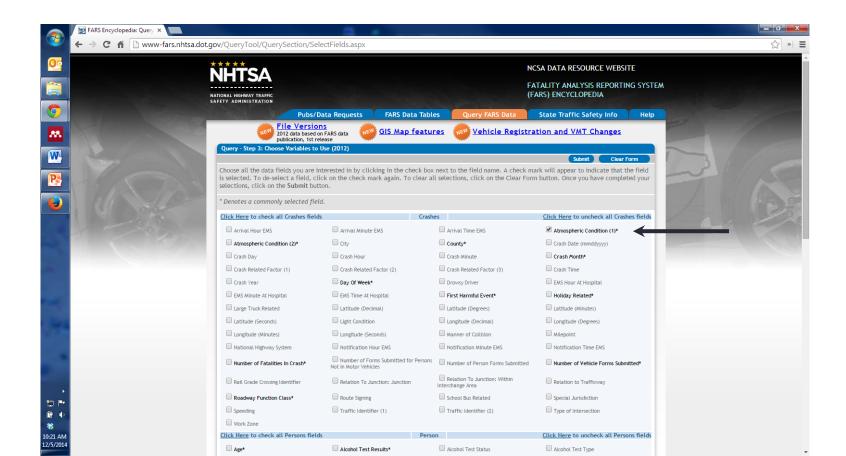
Select Year



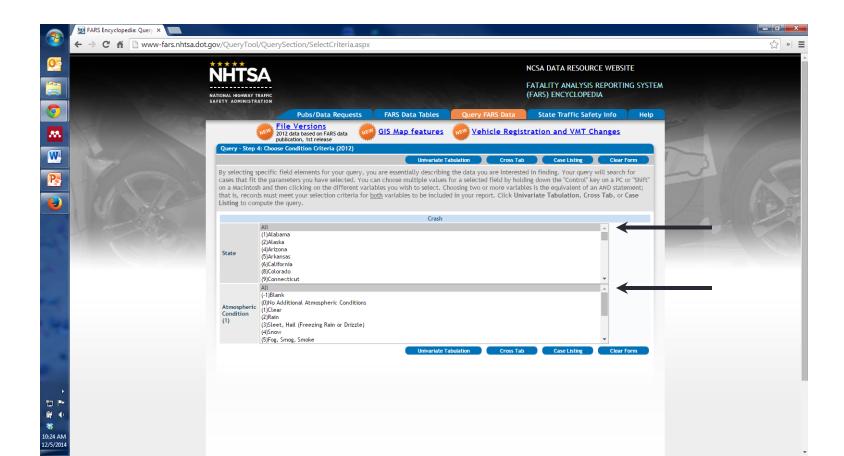
Pick Tables to Query (2010 - present)



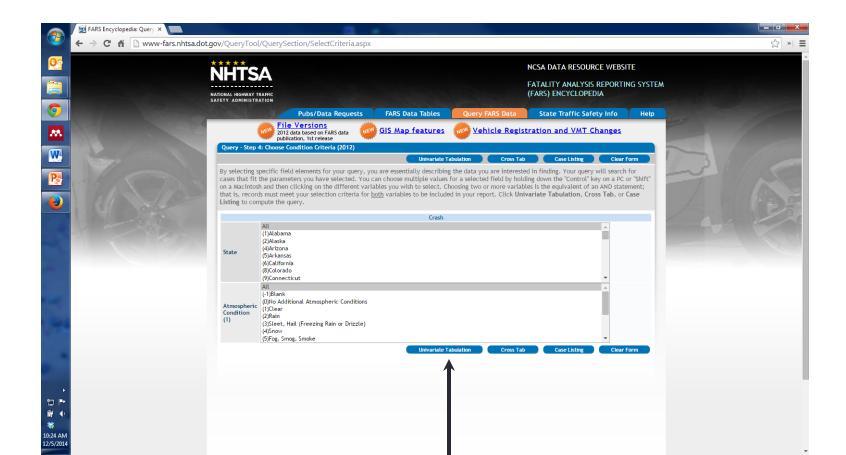
Pick variables to research



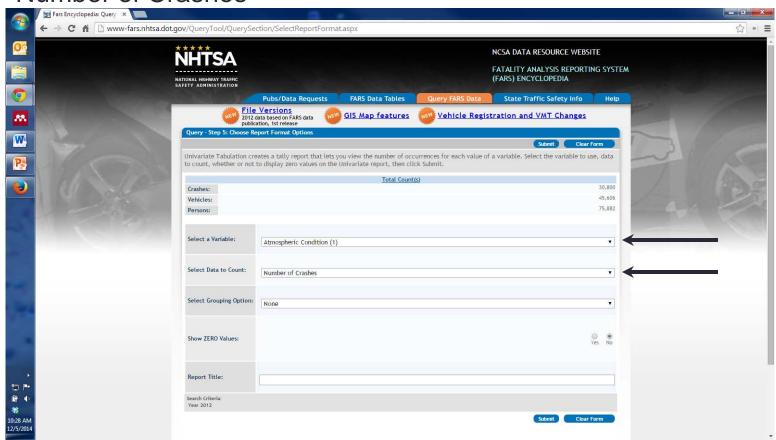
 Narrow down your field (hold down ctrl to select multiple crash characteristics)



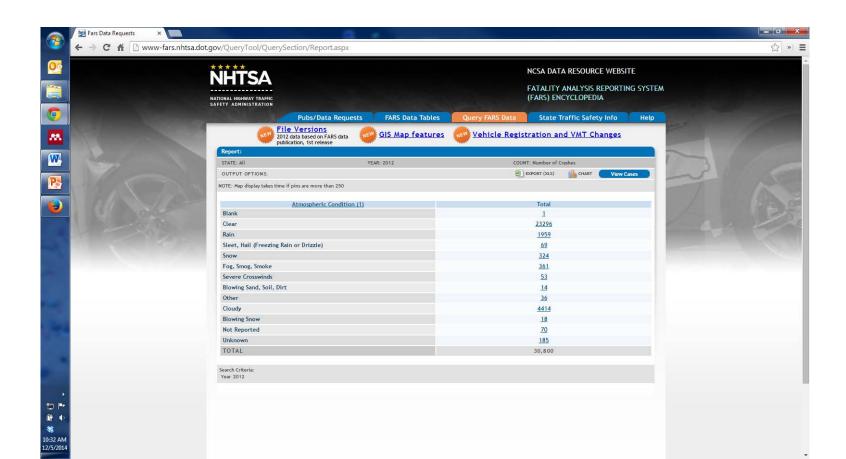
Select "Univariate Tabulation"



- Build your table
 - Select a Variable "Atmospheric Conditions (1)"
 - Number of Crashes



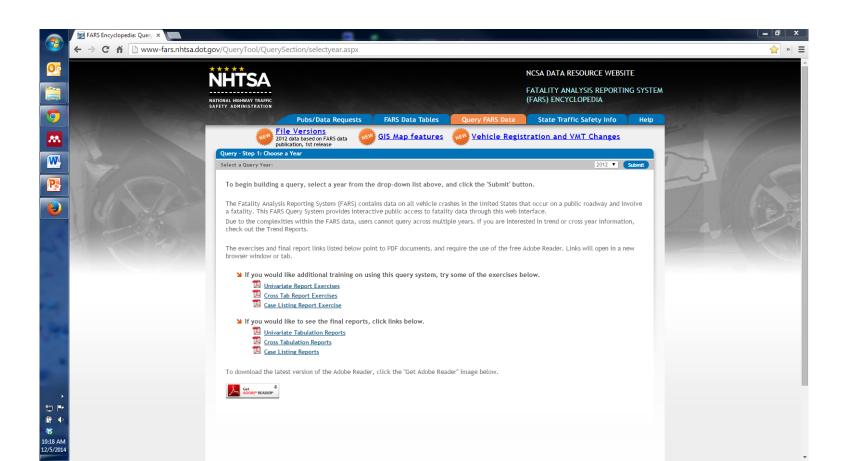
View Results



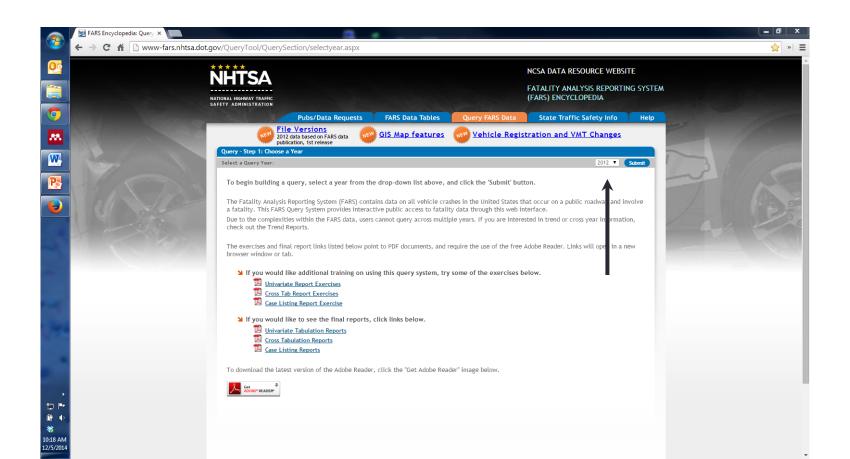
Discussion

- Why do a majority of the crashes happen during clear weather conditions?
- Some weather conditions (like snow or freezing rain) are considered dangerous driving conditions. Why are there so few crashes that happen in snow or freezing rain?

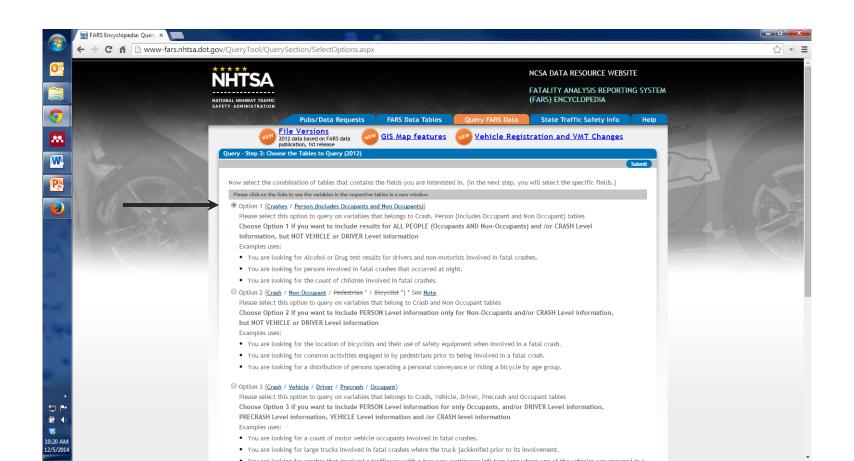
- Fatality Analysis Reporting System (NHTSA)
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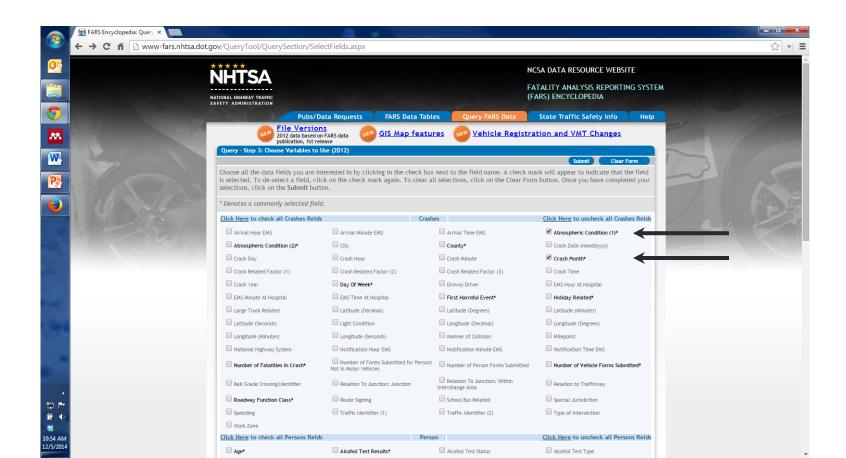
Select Year



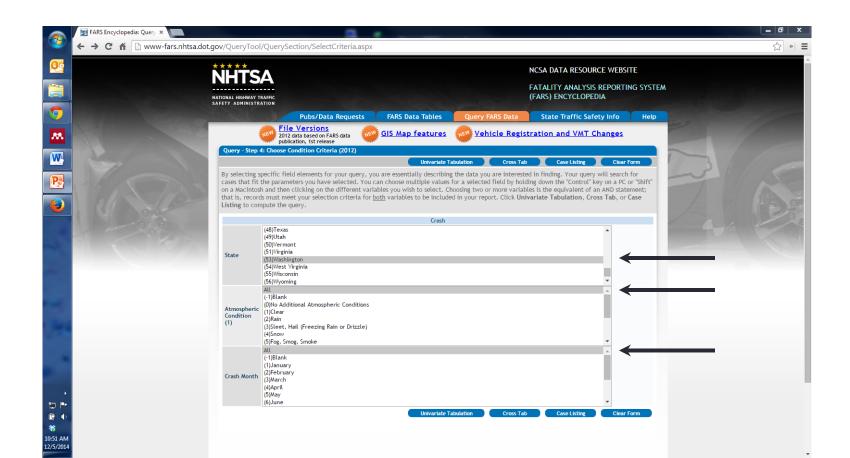
Pick Tables to Query (2010 - present)



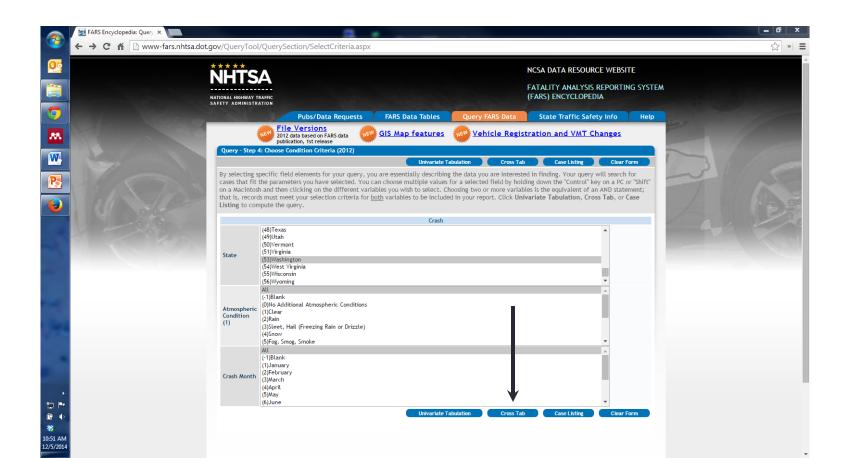
Pick variables to research



Narrow down your field

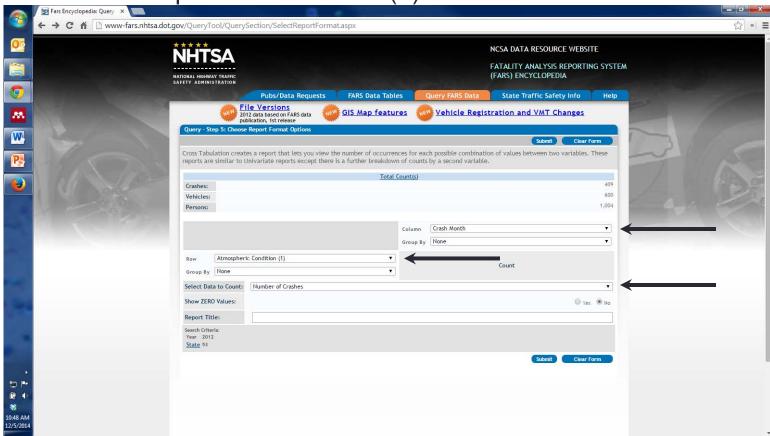


Select "Cross Tab"

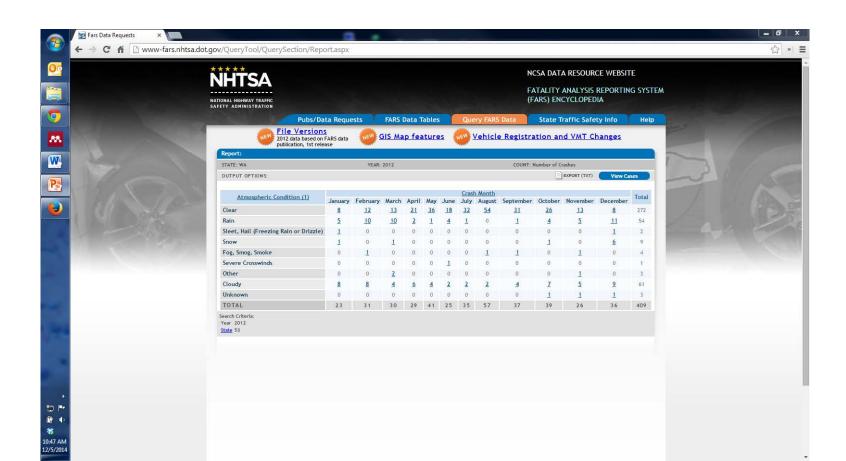


- Build your table
 - Column "Crash Month"

Row - "Atmospheric Conditions (1)"



View Results



Discussion

- Which month had the most fatal crashes during snowy weather?
 - Is this what we would expect?
 - How does snow contribute to crash risk?

 Why is it important to consider the month when making assumptions about crash risks?