CRASH DATA
INTRODUCTION TO THE FATALITY ANALYSIS REPORTING SYSTEM
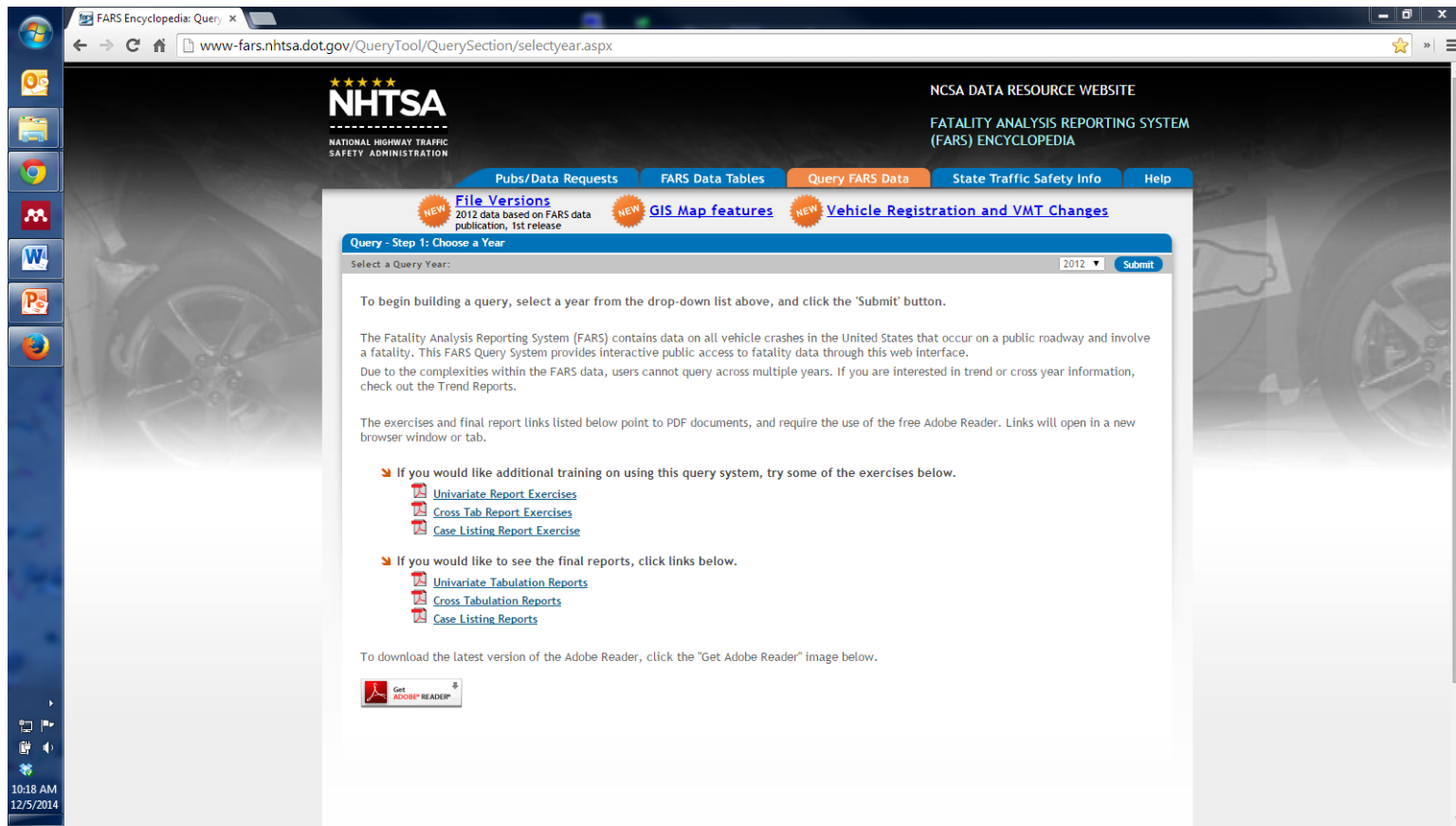
Module 1: Crash Prevention

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?

Using Crash Statistics

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

Using Crash Statistics

- Select Year

Using Crash Statistics

- Pick Tables to Query (2010 - present)

Using Crash Statistics

- Pick variables to research

Using Crash Statistics

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

Using Crash Statistics

- Select "Univariate Tabulation"

Using Crash Statistics

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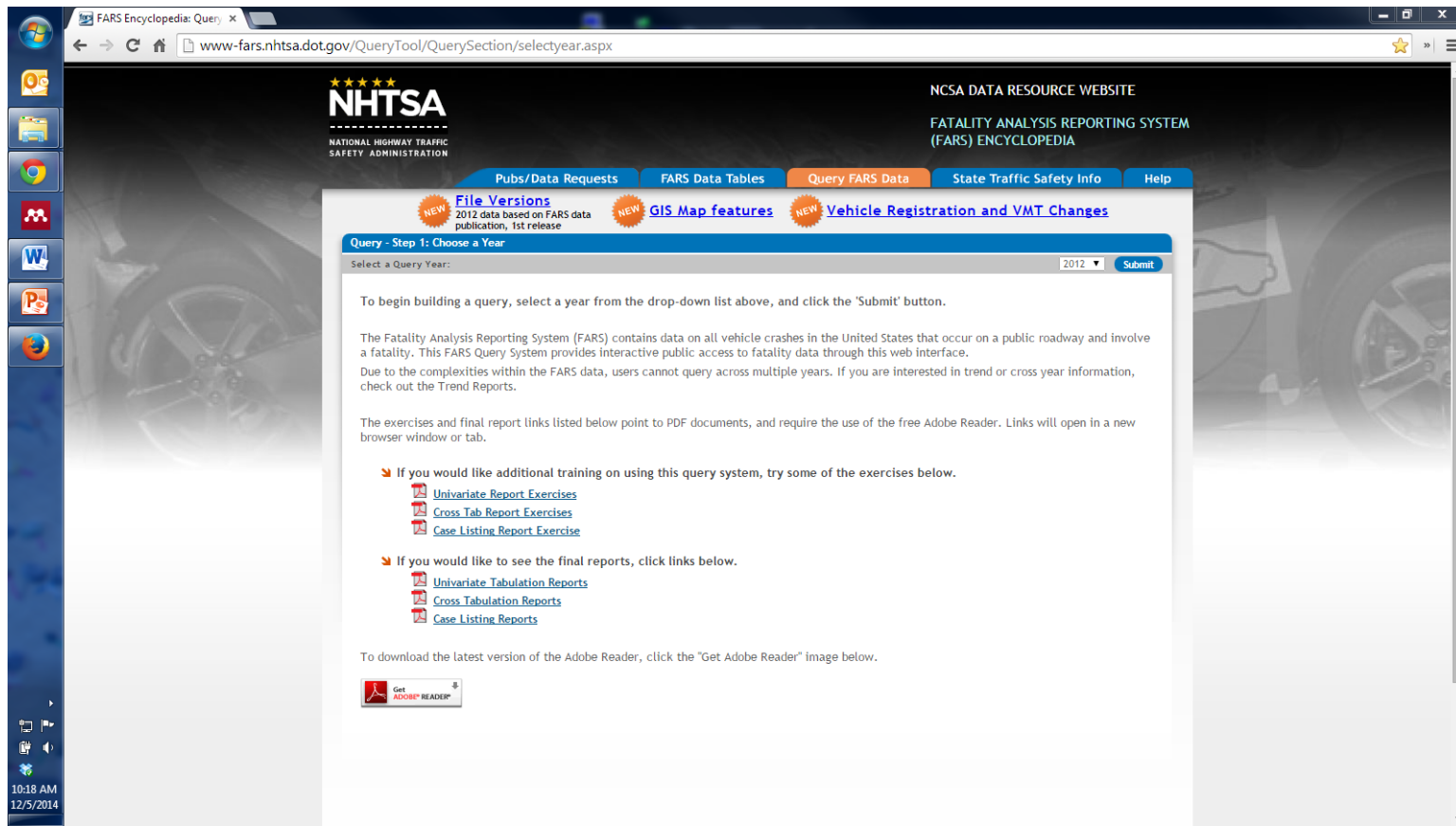 - Number of Crashes

Using Crash Statistics

- 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?

Using Crash Statistics – Advanced

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

Using Crash Statistics – Advanced

- Select Year

Using Crash Statistics – Advanced

- Pick Tables to Query (2010 - present)

Using Crash Statistics – Advanced

- Pick variables to research

Using Crash Statistics – Advanced

- Narrow down your field

Using Crash Statistics – Advanced

- Select "Cross Tab"

Using Crash Statistics – Advanced

- Build your table
  - Column - "Crash Month"
  - Row - "Atmospheric Conditions (1)"

Using Crash Statistics – Advanced

- 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?