

# Cross Tab Reports Exercises

## Cross Tab Report Exercises

A cross-tab query counts something by two variables. One variable is listed in a row and the other in a column, with the counts filling the corresponding cells in the rows and columns. The count can be:

- Number of Crashes
- Number of Persons
- Number of Vehicles/Drivers

The process for creating a report with 2010 data differs from using data from previous years. Therefore, each exercise is repeated using the two different processes.

In the following exercises, a superscript letter next to a variable indicates the table in which it appears:

<b>2010</b>	<b>2009 and Earlier</b>
C = Crash	C = Crash
V = Vehicle	V = Vehicle
R = Precrash	D = Driver
D = Driver	P = Person
O = Occupant	
N = Non-Occupant	
B = Bike	
W = Pedestrian	
P = Person	

## Exercise 1: For 2010 Data

<b>Report Title:</b>	Fatalities by County and Crash Month
<b>Year:</b>	2010
<b>Variables:</b>	Crash Month <sup>C</sup> , County <sup>C</sup> , Injury Severity <sup>P</sup>
<b>Condition Criteria:</b>	State = [your state] Injury Severity = Fatal Injury (K)
<b>Cross Tab Variable:</b>	Column = Crash Month Row = County
<b>Count:</b>	Number of Persons
<b>Grouping Options:</b>	None

### Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2005** and then click the **Submit** button.
2. The variables **Crash Month** and **County** are in the **Crash** table. We are counting fatalities for **Occupants** and **Non-Occupants**. On the **Step 2: Choose the Tables to Query** screen, select **Option 3**, which includes the **Crash** table and also **Occupant** and **Non-Occupant** tables grouped together in a **Person** table. Then, click the **Submit** button.
3. On the **Step 3: Choose Variables to Use** screen, select **Crash Month<sup>C</sup>**, **County<sup>C</sup>**, and **Injury Severity<sup>P</sup>**, and then click the **Submit** button.
4. On the **Step 4: Choose Condition Criteria** screen:
  - From **State**, your state should be selected by default.
  - Leave **Crash Month** at the default, **All**.
  - From **Injury Severity**, select **Fatal Injury (K)**.
  - Click the **Cross Tab** button.
5. On the **Step 5: Choose Report Format Options** screen:
  - From the **Column** drop-down list, select **Crash Month**.
  - From the **Row** drop-down list, select **County**.
  - From the **Select Data to Count** drop-down list, select **Number of Persons**.

- In the **Report Title** box, type **Fatalities by County and Crash Month**.
  - Click the **Submit** button.
6. Review your report and then click the **Back to Step 1** button to return to the **Step 1: Choose a Year** screen.

## Exercise 1: For 2009 (or Earlier) Data

<b>Report Title:</b>	Fatalities by County and Crash Month
<b>Year:</b>	2009
<b>Variables:</b>	Crash Month <sup>C</sup> , County <sup>C</sup> , Injury Severity <sup>P</sup>
<b>Condition Criteria:</b>	State = [your state] Injury Severity = Fatal Injury (K)
<b>Cross Tab Variable:</b>	Column = Crash Month Row = County
<b>Count:</b>	Number of Persons
<b>Grouping Options:</b>	None

### Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2009** and then click the **Submit** button.
2. On the **Step 2: Choose Variables to Use** screen, select **Crash Month<sup>C</sup>**, **County<sup>C</sup>**, and **Injury Severity<sup>P</sup>**, and then click the **Submit** button.
3. On the **Step 3: Choose Condition Criteria** screen:
  - From **State**, your state should be selected by default.
  - Leave **Crash Month** at the default, **All**.
  - From **Injury Severity**, select **Fatal Injury (K)**.
  - Click the **Cross Tab** button.
4. On the **Step 4: Choose Report Format Options** screen:
  - From the **Column** drop-down list, select **Crash Month**.
  - From the **Row** drop-down list, select **County**.

- From the **Select Data to Count** drop-down list, select **Number of Persons**.
  - In the **Report Title** box, type **Fatalities by County and Crash Month**.
  - Click the **Submit** button.
5. Review your report and then click the **Back to Step 1** button to return to the **Step 1: Choose a Year** screen.

## Exercise 2: For 2010 Data

<b>Report Title:</b>	Total 15-20 Year Old Driver Fatalities by Restraint Use and County
<b>Year:</b>	2010
<b>Variables:</b>	County <sup>C</sup> , Age <sup>P</sup> , Injury Severity <sup>O</sup> , Person Type <sup>O</sup> , Restraint System/Helmet Use <sup>O</sup>
<b>Condition Criteria:</b>	State = [your state] Injury Severity = Fatal Injury (K) Person Type = Driver of Motor Vehicle in Transport Age = (15, 16, 17, 18, 19, 20)
<b>Cross Tab Variable:</b>	Column = Restraint System/Helmet Use Row = County
<b>Count:</b>	Number of Persons
<b>Grouping Options:</b>	None

### Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2010** and then click the **Submit** button.
2. The variable **County** is in the **Crash** table and the variables **Age**, **Injury Severity**, **Person Type**, and **Restraint System/Helmet Use** are in the **Occupant** table. Therefore, on the **Step 2: Choose the Tables to Query** screen, select **Option 1** and then click the **Submit** button.
3. On the **Step 3: Choose Variables to Use** screen, select **County<sup>C</sup>**, **Age<sup>O</sup>**, **Injury Severity<sup>O</sup>**, **Person Type<sup>O</sup>**, and **Restraint System/Helmet Use<sup>O</sup>**, and then click the **Submit** button.
4. On the **Step 4: Choose Condition Criteria** screen:
  - From **State**, your state should be selected by default.

- Leave the **County** field blank so it defaults to **All**.
  - From **Age**, select **15-20** (select **15**, press and hold the **Shift** key, scroll down and then click **20**).
  - From **Injury Severity**, select **Fatal Injury (K)**.
  - From **Person Type**, select **Driver of Motor Vehicle in Transport**.
  - Leave **Restraint System/Helmet Use** at the default, **All**.
  - Click the **Cross Tab** button.
5. On the **Step 4: Choose Report Format Options** screen:
- From the **Column** drop-down list, select **Restraint System/Helmet Use**.
  - From the **Row** drop-down list, select **County**.
  - From the **Select Data to Count** drop-down list, select **Number of Persons**.
  - In the **Report Title** box, type **Total 15-20 Year Old Driver Fatalities by Restraint Use and County**.
  - Click the **Submit** button.
6. Review your report and then click the **Back to Step 1** button to return to the **Step 1: Choose a Year** screen.

## Exercise 2: 2009 (or Earlier) Data

<b>Report Title:</b>	Total 15-20 Year Old Driver Fatalities by Restraint Use and County
<b>Year:</b>	2009
<b>Variables:</b>	County <sup>C</sup> , Age <sup>P</sup> , Injury Severity <sup>P</sup> , Person Type <sup>P</sup> , Protection System Use <sup>P</sup>
<b>Condition Criteria:</b>	State = [your state] Injury Severity = Fatal Injury (K) Person Type = Driver of Motor Vehicle in Transport Age = (15, 16, 17, 18, 19, 20)
<b>Cross Tab Variable:</b>	Column = Protection System Use Row = County
<b>Count:</b>	Number of Persons
<b>Grouping Options:</b>	None

## Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2009** and then click the **Submit** button.
2. On the **Step 2: Choose Variables to Use** screen, select **County<sup>C</sup>**, **Age<sup>P</sup>**, **Injury Severity<sup>P</sup>**, **Person Type<sup>P</sup>**, and **Restraint System Use<sup>P</sup>**, and then click the **Submit** button.
3. On the **Step 3: Choose Condition Criteria** screen:
  - From **State**, your state should be selected by default.
  - Leave **County** at the default, **All**.
  - From **Age**, select **15-20** (select **15**, press and hold the **Shift** key, scroll down and then click **20**).
  - From **Injury Severity**, select **Fatal Injury (K)**.
  - From **Person Type**, select **Driver of Motor Vehicle in Transport**.
  - Leave **Protection System Use** at the default, **All**.
  - Click the **Cross Tab** button.
4. On the **Step 4: Choose Report Format Options** screen:
  - From the **Column** drop-down list, select **Protection System Use**.
  - From the **Row** drop-down list, select **County**.
  - From the **Select Data to Count** drop-down list, select **Number of Persons**.
  - In the **Report Title** box, type **Total 15-20 Year Old Driver Fatalities by Restraint Use and County**.
  - Click the **Submit** button.
5. Review your report and then click the **Back to Step 1** button to return to the **Step 1: Choose a Year** screen..

## Exercise 3: For 2010 Data

<b>Report Title:</b>	Fatal Automobile Occupants by Seating Position and Restraint System/Helmet Use
<b>Year:</b>	2010
<b>Variables:</b>	Injury Severity <sup>O</sup> , Person Type <sup>O</sup> , Restraint System/Helmet Use <sup>O</sup> , Seating Position <sup>O</sup> , Body Type <sup>V</sup>
<b>Condition Criteria:</b>	State = [your state] Injury Severity = Fatal Injury (K) Person Type = 1, 2, 9 Body Type = 1, 2, 3, 4, 5, 6, 7, 8, 9
<b>Cross Tab Variable:</b>	Column = Restraint System/Helmet Use Row = Seating Position
<b>Count:</b>	Number of Persons
<b>Grouping Options:</b>	None

### Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2010** and then click the **Submit** button.
2. The variables **Injury Severity**, **Person Type**, **Restraint System/Helmet Use**, and **Seating Position** are in the **Occupant** table. **Body Type** is in the **Vehicle** table. Therefore, on the **Step 2: Choose the Tables to Query** screen, select **Option 1** and then click the **Submit** button.
3. On the **Step 3: Choose Variables to Use** screen, select **Injury Severity<sup>O</sup>**, **Person Type<sup>O</sup>**, **Restraint System/Helmet Use<sup>O</sup>**, **Seating Position<sup>O</sup>**, and **Body Type<sup>V</sup>**, and then click the **Submit** button.
4. On the **Step 4: Choose Condition Criteria** screen:
  - From **State**, your state should be selected by default.
  - From **Injury Severity**, select **Fatal Injury (K)**.
  - From **Person Type**, select **1, 2, 9**.
  - Leave **Restraint System/Helmet Use** at the default, **All**.
  - Leave **Seating Position** at the default, **All**.
  - From **Body Type**, select **1, 2, 3, 4, 5, 6, 7, 8, 9**.



- Click the **Cross Tab** button.
5. On the **Step 5: Choose Report Format Options** screen:
    - From the **Column** drop-down list, select **Restraint System/Helmet Use**.
    - From the **Row** drop-down list, select **Seating Position**.
    - From the **Select Data to Count** drop-down list, select **Number of Persons**.
    - In the **Report Title** box, type **Fatal Automobile Occupants by Seating Position and Restraint System/Helmet Use**.
    - Click the **Submit** button.
  6. Review your report and then click the **Back to Step 1** button to return to the **Step 1: Choose a Year** screen.

### Exercise 3: For 2009 (or Earlier) Data

<b>Report Title:</b>	Fatal Automobile Occupants by Seating Position and Protection System Use
<b>Year:</b>	2009
<b>Variables:</b>	Injury Severity <sup>P</sup> , Person Type <sup>P</sup> , Protection System Use <sup>P</sup> , Seating Position <sup>P</sup> , Body Type <sup>V</sup>
<b>Condition Criteria:</b>	State = [your state] Injury Severity = Fatal Injury (K) Person Type = 1, 2, 9 Body Type = 1, 2, 3, 4, 5, 6, 7, 8 ,9
<b>Cross Tab Variable:</b>	Column = Protection System Use Row = Seating Position
<b>Count:</b>	Number of Persons
<b>Grouping Options:</b>	None

### Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2009** and then click the **Submit** button.
2. On the **Step 2: Choose Variables to Use** screen, select **Injury Severity<sup>P</sup>**, **Person Type<sup>P</sup>**, **Protection System Use<sup>P</sup>**, **Seating Position<sup>P</sup>**, and **Body Type<sup>V</sup>**, and then click the **Submit** button.

3. On the **Step 3: Choose Condition Criteria** screen:
  - From **State**, your state should be selected by default.
  - From **Injury Severity**, select **Fatal Injury (K)**.
  - From **Person Type**, select **1, 2, 9**.
  - Leave **Protection System Use** at the default, **All**.
  - Leave **Seating Position** at the default, **All**.
  - From **Body Type**, select **1, 2, 3, 4, 5, 6, 7, 8, 9**.
  - Click the **Cross Tab** button.
4. On the **Step 4: Choose Report Format Options** screen:
  - From the **Column** drop-down list, select **Protection System Use**.
  - From the **Row** drop-down list, select **Seating Position**.
  - From the **Select Data to Count** drop-down list, select **Number of Persons**.
  - In the **Report Title** box, type **Fatal Automobile Occupants by Seating Position and Protection System Use**.
  - Click the **Submit** button.
5. Review your report and then click the **Back to Step 1** button to return to the **Step 1: Choose a Year** screen.

## Exercise 4: For 2010 Data

<b>Report Title:</b>	Crash Counts by County and Roadway Function Class
<b>Year:</b>	2010
<b>Variables:</b>	County <sup>C</sup> , Roadway Function Class <sup>C</sup>
<b>Condition Criteria:</b>	State = [your state]
<b>Cross Tab Variable:</b>	Column = Roadway Function Class Row = County
<b>Count:</b>	Number of Crashes
<b>Grouping Options:</b>	None

### Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2010** and then click the **Submit** button.
2. The variables **County** and **Roadway Function Class** are in the **Crash** table. Therefore, on the **Step 2: Choose the Tables to Query** screen, select any option and then click the **Submit** button.
3. On the **Step 3: Choose Variables to Use** screen, select **County<sup>C</sup>**, and **Roadway Function Class<sup>C</sup>**, and then click the **Submit** button.
4. On the **Step 4: Choose Condition Criteria** screen:
  - From **State**, your state should be selected by default.
  - Leave **County** blank to default to **All**.
  - Leave **Roadway Function Class** at the default, **All**.
  - Click the **Cross Tab** button.
5. On the **Step 5: Choose Report Format Options** screen:
  - From the **Column** drop-down list, select **Roadway Function Class**.
  - From the **Row** drop-down list, select **County**.
  - From the **Select Data to Count** drop-down list, select **Number of Crashes**.
  - In the **Report Title** box, type **Crash Counts by County and Roadway Function Class**.

- Click the **Submit** button.
6. Review your report and then click the **Back to Step 1** button to return to the **Step 1: Choose a Year** screen.

## Exercise 4: For 2009 (or Earlier) Data

<b>Report Title:</b>	Crash Counts by County and Roadway Function Class
<b>Year:</b>	2009
<b>Variables:</b>	County <sup>C</sup> , Roadway Function Class <sup>C</sup>
<b>Condition Criteria:</b>	State = [your state]
<b>Cross Tab Variable:</b>	Column = Roadway Function Class Row = County
<b>Count:</b>	Number of Crashes
<b>Grouping Options:</b>	None

### Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2009** and then click the **Submit** button.
2. On the **Step 2: Choose Variables to Use** screen, select **County<sup>C</sup>**, and **Roadway Function Class<sup>C</sup>**, and then click the **Submit** button.
3. On the **Step 3: Choose Condition Criteria** screen:
  - From **State**, your state should be selected by default.
  - Leave **County** at the default, **All**.
  - Leave **Roadway Function Class** at the default, **All**.
  - Click the **Cross Tab** button.
4. On the **Step 4: Choose Report Format Options** screen:
  - From the **Column** drop-down list, select **Roadway Function Class**.
  - From the **Row** drop-down list, select **County**.
  - From the **Select Data to Count** drop-down list, select **Number of Crashes**.

- In the **Report Title** box, type **Crash Counts by County and Roadway Function Class**.
  - Click the **Submit** button.
5. Review your report and then click the **Back to Step 1** button to return to the **Step 1: Choose a Year** screen.

## Exercise 5: For 2010 Data

<b>Report Title:</b>	Occupant Count by Injury Severity and Ejection
<b>Year:</b>	2010
<b>Variables:</b>	Ejection <sup>o</sup> , Injury Severity <sup>o</sup> , Person Type <sup>o</sup>
<b>Condition Criteria:</b>	State = [your state] Person Type = Driver of a Motor Vehicle in transport (1), Passenger of a Motor Vehicle in Transport (2), Unknown Occupant Type in a Motor Vehicle in Transport (9)
<b>Cross Tab Variable:</b>	Column = Ejection Row = Injury Severity
<b>Count:</b>	Number of Persons
<b>Grouping Options:</b>	None

### Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2005** and then click the **Submit** button.
2. The variables **Ejection**, **Injury Severity**, and **Person Type** are in the **Occupant** table. Therefore, on the **Step 2: Choose the Tables to Query** screen, select **Option 1** and then click the **Submit** button.
3. On the **Step 3: Choose Variables to Use** screen, select **Ejection<sup>o</sup>**, **Injury Severity<sup>o</sup>**, and **Person Type<sup>o</sup>**, and then click the **Submit** button.
4. On the **Step 4: Choose Condition Criteria** screen:
  - From **State**, your state should be selected by default.
  - Leave **Ejection** at the default, **All**.
  - Leave **Injury Severity** at the default, **All**.
  - From **Person Type**, select **1, 2, 9**

- Click the **Cross Tab** button.
5. On the **Step 5: Choose Report Format Options** screen:
    - From the **Column** drop-down list, select **Ejection**.
    - From the **Row** drop-down list, select **Injury Severity**.
    - From the **Select Data to Count** drop-down list, select **Number of Persons**.
    - In the **Report Title** box, type **Occupant Count by Injury Severity and Ejection**.
    - Click the **Submit** button.
  6. Review your report and then click the **Back to Step 1** button to return to the **Step 1: Choose a Year** screen.

## Exercise 5: For 2009 (or Earlier) Data

<b>Report Title:</b>	Occupant Count by Injury Severity and Ejection
<b>Year:</b>	2009
<b>Variables:</b>	Ejection <sup>P</sup> , Injury Severity <sup>P</sup> , Person Type <sup>P</sup>
<b>Condition Criteria:</b>	State = [your state] Person Type = Driver of a Motor Vehicle in transport (1), Passenger of a Motor Vehicle in Transport (2), Unknown Occupant Type in a Motor Vehicle in Transport (9)
<b>Cross Tab Variable:</b>	Column = Ejection Row = Injury Severity
<b>Count:</b>	Number of Persons
<b>Grouping Options:</b>	None

### Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2009** and then click the **Submit** button.
2. On the **Step 2: Choose Variables to Use** screen, select **Ejection<sup>P</sup>**, **Injury Severity<sup>P</sup>**, and **Person Type<sup>P</sup>**, and then click the **Submit** button.
3. On the **Step 3: Choose Condition Criteria** screen:
  - From **State**, your state should be selected by default.

- Leave **Ejection** at the default, **All**.
  - Leave **Injury Severity** at the default, **All**.
  - From **Person Type**, select **1, 2, 9**
  - Click the **Cross Tab** button.
4. On the **Step 4: Choose Report Format Options** screen:
- From the **Column** drop-down list, select **Ejection**.
  - From the **Row** drop-down list, select **Injury Severity**.
  - From the **Select Data to Count** drop-down list, select **Number of Persons**.
  - In the **Report Title** box, type **Occupant Count by Injury Severity and Ejection**.
  - Click the **Submit** button.
5. Review your report and then click the **Back to Step 1** button to return to the **Step 1: Choose a Year** screen.

## Exercise 6: For 2010 Data

<b>Report Title:</b>	Motorcycle Occupant Fatalities by Person Type and Helmet Use
<b>Year:</b>	2010
<b>Variables:</b>	Injury Severity <sup>O</sup> , Person Type <sup>O</sup> , Restraint System/Helmet Use <sup>O</sup> , Body Type <sup>V</sup>
<b>Condition Criteria:</b>	State = [your state] Injury Severity = Fatal Injury (K) Person Type = 1, 2, 9 Body Type = 80, 81, 82, 83, 88, 89
<b>Cross Tab Variable:</b>	Column = Restraint System/Helmet Use Row = Person Type
<b>Count:</b>	Number of Persons
<b>Grouping Options:</b>	None

### Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2010** and then click the **Submit** button.
2. The variables **Injury Severity**, **Person Type**, and **Restraint System/Helmet Use** are in the **Occupant** table and **Body Type** is in the **Vehicle** table. Therefore, on the **Step 2: Choose the Tables to Query** screen, select **Option 1** and then click the **Submit** button.
3. On the **Step 3: Choose Variables to Use** screen, select **Injury Severity<sup>O</sup>**, **Person Type<sup>O</sup>**, **Restraint System/Helmet Use<sup>O</sup>**, and **Body Type<sup>V</sup>**, and then click the **Submit** button.
4. On the **Step 4: Choose Condition Criteria** screen:
  - From **State**, your state should be selected by default.
  - From **Injury Severity**, select **Fatal Injury (K)**.
  - From **Person Type**, select **1, 2, 9**.
  - Leave **Restraint System/Helmet Use** at the default, **All**.
  - From **Body Type**, select **80, 81, 82, 83, 88, and 89**.
  - Click the **Cross Tab** button.



5. On the **Step 5: Choose Report Format Options** screen:
  - From the **Column** drop-down list, select **Restraint System/Helmet Use**.
  - From the **Row** drop-down list, select **Person Type**.
  - From the **Select Data to Count** drop-down list, select **Number of Persons**.
  - In the **Report Title** box, type **Motorcycle Occupant Fatalities by Person Type and Helmet Use**.
  - Click the **Submit** button.
6. Review your report and then click the **Back to Step 1** button to return to the **Step 1: Choose a Year** screen.

## Exercise 6: For 2009 (or Earlier) Data

<b>Report Title:</b>	Motorcycle Occupant Fatalities by Person Type and Helmet Use
<b>Year:</b>	2009
<b>Variables:</b>	Injury Severity <sup>P</sup> , Person Type <sup>P</sup> , Protection System Use <sup>P</sup> , Body Type <sup>V</sup>
<b>Condition Criteria:</b>	State = [your state] Injury Severity = Fatal Injury (K) Person Type = 1, 2, 9 Body Type = 80, 81, 82, 83, 88, 89
<b>Cross Tab Variable:</b>	Column = Protection System Use Row = Person Type
<b>Count:</b>	Number of Persons
<b>Grouping Options:</b>	None

### Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2009** and then click the **Submit** button.
2. On the **Step 2: Choose Variables to Use** screen, select **Injury Severity<sup>P</sup>**, **Person Type<sup>P</sup>**, **Protection System Use<sup>P</sup>**, and **Body Type<sup>V</sup>**, and then click the **Submit** button.
3. On the **Step 3: Choose Condition Criteria** screen:
  - From **State**, your state should be selected by default.

- From **Injury Severity**, select **Fatal Injury (K)**.
  - From **Person Type**, select **1, 2, 9**.
  - Leave **Protection System Use** at the default, **All**.
  - From **Body Type**, select **80, 81, 82, 83 , 88, and 89**.
  - Click the **Cross Tab** button.
4. On the **Step 4: Choose Report Format Options** screen:
- From the **Column** drop-down list, select **Protection System Use**.
  - From the **Row** drop-down list, select **Person Type**.
  - From the **Select Data to Count** drop-down list, select **Number of Persons**.
  - In the **Report Title** box, type **Motorcycle Occupant Fatalities by Person Type and Helmet Use**.
  - Click the **Submit** button.
5. Review your report and then click the **Back to Step 1** button to return to the **Step 1: Choose a Year** screen.

## Exercise 7: For 2010 Data

<b>Report Title:</b>	Fatal Crashes by Roadway Function Class and Atmospheric Condition
<b>Year:</b>	2010
<b>Variables:</b>	Atmospheric Condition <sup>C</sup> , Roadway Function Class <sup>C</sup>
<b>Condition Criteria:</b>	State = [your state]
<b>Cross Tab Variable:</b>	Column = Atmospheric Condition Row = Roadway Function Class
<b>Count:</b>	Number of Crashes
<b>Grouping Options:</b>	None

### Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2005** and then click the **Submit** button.
2. The variables **Atmospheric Condition** and **Roadway Function Class** are in the **Crash** table. Therefore, on the **Step 2: Choose the Tables to Query** screen, you can select any option and then click the **Submit** button.
3. On the **Step 3: Choose Variables to Use** screen, select **Atmospheric Condition (1)<sup>C</sup>** and **Roadway Function Class<sup>C</sup>**, and then click the **Submit** button.
4. On the **Step 4: Choose Condition Criteria** screen:
  - From **State**, your state should be selected by default.
  - Leave **Atmospheric Condition (1)** at the default, **All**.
  - Leave **Roadway Function Class** at the default, **All**
  - Click the **Cross Tab** button.
5. On the **Step5: Choose Report Format Options** screen:
  - From the **Column** drop-down list, select **Atmospheric Condition (1)**.
  - From the **Row** drop-down list, select **Roadway Function Class**.
  - From the **Select Data to Count** drop-down list, select **Number of Crashes**.
  - In the **Report Title** box, type **Fatal Crashes by Roadway Function Class and Atmospheric Condition**.

- Click the **Submit** button.
6. Review your report and then click the **Back to Step 1** button to return to the **Step 1: Choose a Year** screen.

## Exercise 7: For 2009 (or Earlier) Data

<b>Report Title:</b>	Fatal Crashes by Roadway Function Class and Atmospheric Conditions
<b>Year:</b>	2009
<b>Variables:</b>	Atmospheric Conditions <sup>C</sup> , Roadway Function Class <sup>C</sup>
<b>Condition Criteria:</b>	State = [your state]
<b>Cross Tab Variable:</b>	Column = Atmospheric Condition Row = Roadway Function Class
<b>Count:</b>	Number of Crashes
<b>Grouping Options:</b>	None

### Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2009** and then click the **Submit** button.
2. On the **Step 2: Choose Variables to Use** screen, select **Atmospheric Conditions (1)<sup>C</sup>** and **Roadway Function Class<sup>C</sup>**, and then click the **Submit** button.
3. On the **Step 3: Choose Condition Criteria** screen:
  - From **State**, your state should be selected by default.
  - Leave **Atmospheric Conditions (1)** at the default, **All**.
  - Leave **Roadway Function Class** at the default, **All**.
  - Click the **Cross Tab** button.
4. On the **Step 4: Choose Report Format Options** screen:
  - From the **Column** drop-down list, select **Atmospheric Condition**.
  - From the **Row** drop-down list, select **Roadway Function Class**.
  - From the **Select Data to Count** drop-down list, select **Number of Crashes**.

- In the **Report Title** box, type **Fatal Crashes by Roadway Function Class and Atmospheric Conditions**.
  - Click the **Submit** button.
5. Review your report and then click the **Back to Step 1** button to return to the **Step 1: Choose a Year** screen.