

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 crashes, persons, or vehicles/drivers.

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

- C = Crash
- V = Vehicle
- D = Driver
- P = Person

Exercise 1

Report Title:	Fatalities by County and Crash Month
Year:	2005
Variables:	Crash Month ^C , County ^C , Injury Severity ^P
Condition Criteria:	State = FL Injury Severity = Fatal Injury (K)
Cross Tab Variable:	Column = Crash Month Row = County
Count:	Number of Persons
Grouping Options:	None

Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2005** and then click the **Submit** button.
2. On the **Step 2: Choose Variables to Use** screen, select **Crash Month^C**, **County^C**, and **Injury Severity^P**, and then click the **Submit** button.
3. On the **Step 3: Choose Condition Criteria** screen:
 - From **State**, select **Florida**.
 - 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 return to the **Step 1: Choose a Year** screen by clicking the **Query** tab at the top of the screen.

Exercise 2

Report Title:	Total 15-20 Year Old Driver Fatalities by Restraint Use and County
Year:	2005
Variables:	County ^C , Age ^P , Injury Severity ^P , Person Type ^P , Restraint System Use ^P
Condition Criteria:	State = FL Injury Severity = Fatal Injury (K) Person Type = Driver of Motor Vehicle in Transport Age = (15, 16, 17, 18, 19, 20)
Cross Tab Variable:	Column = Restraint System Use Row = County
Count:	Number of Persons
Grouping Options:	None

Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2005** and then click the **Submit** button.
2. On the **Step 2: Choose Variables to Use** screen, select **County^C**, **Age^P**, **Injury Severity^P**, **Person Type^P**, and **Restraint System Use^P**, and then click the **Submit** button.
3. On the **Step 3: Choose Condition Criteria** screen:
 - From **State**, select **Florida**.
 - From **Injury Severity**, select **Fatal Injury (K)**.
 - From **Age**, select **15-20** (select **15**, press and hold the **Shift** key, scroll down and then click **20**).
 - From **Person Type**, select **Driver of Motor Vehicle in Transport**
 - Click the **Cross Tab** button.
4. On the **Step 4: Choose Report Format Options** screen:
 - From the **Column** drop-down list, select **Restraint 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 return to the **Step 1: Choose a Year** screen by clicking the **Query** tab at the top of the screen.

Exercise 3

Report Title:	Fatal Occupants by Seating Position and Restraint System Use
Year:	2005
Variables:	Injury Severity ^P , Person Type ^P , Restraint System Use ^P , Seating Position ^P , Body Type ^V
Condition Criteria:	State = FL Injury Severity = Fatal Injury (K) Person Type = 1, 2, 9 Body Type = 1, 2, 3, 4, 5, 6, 7, 8, 9
Cross Tab Variable:	Column = Restraint System Use Row = Seating Position
Count:	Number of Persons
Grouping Options:	None

Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2005** and then click the **Submit** button.
2. On the **Step 2: Choose Variables to Use** screen, select **Injury Severity^P**, **Person Type^P**, **Restraint System Use^P**, **Seating Position^P**, and **Body Type^V**, and then click the **Submit** button.
3. On the **Step 3: Choose Condition Criteria** screen:
 - From **State**, select **Florida**.
 - From **Injury Severity**, select **Fatal Injury (K)**.
 - From **Person Type**, select 1, 2, 9.
 - 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 **Restraint System Use** and then from the **Group By** drop-down list, select **Restraint 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 Occupants by Seating Position and Restraint System Use**.
 - Click the **Submit** button.
5. Review your report and then return to the **Step 1: Choose a Year** screen by clicking the **Query** tab at the top of the screen.

Exercise 4

Report Title:	Crash Counts by County and Roadway Function Class
Year:	2005
Variables:	County ^C , Roadway Function Class ^C
Condition Criteria:	State = FL
Cross Tab Variable:	Column = Roadway Function Class Row = County
Count:	Number of Crashes
Grouping Options:	None

Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2005** and then click the **Submit** button.
2. On the **Step 2: Choose Variables to Use** screen, select **County^C**, and **Roadway Function Class^C**, and then click the **Submit** button.
3. On the **Step 3: Choose Condition Criteria** screen:
 - From **State**, select **Florida**.
 - 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** and then from the **Group By** drop-down list, select **Urban/Rural**.
 - 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 return to the **Step 1: Choose a Year** screen by clicking the **Query** tab at the top of the screen.

Exercise 5

Report Title:	Occupants Count by Injury Severity and Ejection
Year:	2005
Variables:	Ejection ^P , Injury Severity ^P , Person Type ^P
Condition Criteria:	State = FL 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)
Cross Tab Variable:	Column = Ejection Row = Injury Severity
Count:	Number of Persons
Grouping Options:	None

Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2005** and then click the **Submit** button.
2. On the **Step 2: Choose Variables to Use** screen, select **Ejection^P**, **Injury Severity^P**, and **Person Type^P**, and then click the **Submit** button.
3. On the **Step 3: Choose Condition Criteria** screen:
 - From **State**, select **Florida**.
 - 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 **Occupants Count by Injury Severity and Ejection**.
 - Click the **Submit** button.
5. Review your report and then return to the **Step 1: Choose a Year** screen by clicking the **Query** tab at the top of the screen.

Exercise 6

Report Title:	Motorcycle Drivers Involved in Fatal Crashes by Age and License Compliance
Year:	2005
Variables:	Age ^P , Injury Severity ^P , Person Type ^P , Body Type ^V , Driver License Type Compliance ^D
Condition Criteria:	State = FL Injury Severity = Fatal Injury (K) Person Type = Driver of a Motor Vehicle in Transport (1) Body Type = 80, 81, 82, 83, 88, 89
Cross Tab Variable:	Column = Driver License Type Compliance Row = Age
Count:	Number of Persons
Grouping Options:	Row = Driver Age Group

Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2005** and then click the **Submit** button.
2. On the **Step 2: Choose Variables to Use** screen, select **Age^P, Injury Severity^P, Person Type^P, Body Type^V, Driver License Type Compliance^D**, and then click the **Submit** button.
3. On the **Step 3: Choose Condition Criteria** screen:
 - From **State**, select **Florida**.
 - From **Injury Severity**, select **Fatal Injury (K)**.
 - From **Person Type**, select **Driver of a Motor Vehicle in Transport**.
 - 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 **Driver License Type Compliance**.
 - From the **Row** drop-down list, select **Age** and then from the **Group By** drop-down list, select **Driver Age Group**.

- From the **Select Data to Count** drop-down list, select **Number of Persons**.
 - In the **Report Title** box, type **Motorcycle Drivers Involved in Fatal Crashes by Age and License Compliance**.
 - Click the **Submit** button.
5. Review your report and then return to the **Step 1: Choose a Year** screen by clicking the **Query** tab at the top of the screen.

Exercise 7

Report Title:	Motorcycle Occupants Killed by Person Type and Helmet Use
Year:	2005
Variables:	Injury Severity ^P , Person Type ^P , Restraint System Use ^P , Body Type ^V
Condition Criteria:	State = FL Injury Severity = Fatal Injury (K) Person Type = 1, 2, 9 Body Type = 80, 81, 82, 83, 88, 89
Cross Tab Variable:	Column = Restraint System Use Row = Person Type
Count:	Number of Persons
Grouping Options:	Row = Driver Age Group

Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2005** and then click the **Submit** button.
2. On the **Step 2: Choose Variables to Use** screen, select **Injury Severity^P**, **Person Type^P**, **Restraint System Use^P**, and **Body Type^V**, and then click the **Submit** button.
3. On the **Step 3: Choose Condition Criteria** screen:
 - From **State**, select **Florida**.
 - From **Injury Severity**, select **Fatal Injury (K)**.
 - From **Person Type**, select **1, 2, 9**.
 - 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 **Restraint System Use**.
 - From the **Row** drop-down list, select **Person Type** and then from the **Group By** drop-down list, select **Person Type Group**.
 - From the **Select Data to Count** drop-down list, select **Number of Persons**.

- In the **Report Title** box, type **Motorcycle Occupants Killed by Person Type and Helmet Use**.
 - Click the **Submit** button.
5. Review your report and then return to the **Step 1: Choose a Year** screen by clicking the **Query** tab at the top of the screen.

Exercise 8

Report Title:	Fatal Crashes by Roadway Function Class and Atmospheric Condition
Year:	2005
Variables:	Atmospheric Condition ^C , Roadway Function Class ^C
Condition Criteria:	State = FL
Cross Tab Variable:	Column = Atmospheric Condition Row = Roadway Function Class
Count:	Number of Crashes
Grouping Options:	None

Step-by-Step Directions

1. On the **Step 1: Choose a Year** screen, select **2005** and then click the **Submit** button.
2. On the **Step 2: Choose Variables to Use** screen, select **Atmospheric Condition^C** and **Roadway Function Class^C**, and then click the **Submit** button.
3. On the **Step 3: Choose Condition Criteria** screen:
 - From **State**, select **Florida**.
 - 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 Condition**.
 - Click the **Submit** button.
5. Review your report and then return to the **Step 1: Choose a Year** screen by clicking the **Query** tab at the top of the screen.

