

Univariate Reports

Exercises

Univariate Report Exercises

A univariate report counts something by one variable. Therefore, your report result will have two columns: one for the variable, which is called the **univariate variable**, and one for the count. 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:	Crashes by Month
Year:	2005
Variables:	Crash Month ^C
Condition Criteria:	State = FL
Univariate Variable:	Crash Month
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 **Crash Month^C** and then click the **Submit** button.
3. On the **Step 3: Choose Condition Criteria** screen, from **State**, select **Florida**. Then, click the **Univariate Tabulation** button.
4. On the **Step 4: Choose Report Format Options** screen:
 - From the **Select a Variable** drop-down list, select **Crash Month**.
 - From the **Select Data to Count** drop-down list, select **Number of Crashes**.
 - In the **Report Title** box, type **Crashes by 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:	Fatalities by Crash Month
Year:	2005
Variables:	Crash Month ^C , Injury Severity ^P
Condition Criteria:	State = FL Injury Severity = Fatal Injury (K)
Univariate Variable:	Crash Month
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** 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 **Univariate Tabulation** button.
4. On the **Step 4: Choose Report Format Options** screen:
 - From the **Select a Variable** drop-down list, select **Crash Month**.
 - From the **Select Data to Count** drop-down list, select **Number of Persons**.
 - In the **Report Title** box, type **Fatalities by 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 3

Report Title:	Fatalities by Day of Week
Year:	2005
Variables:	Day of Week ^C , Injury Severity ^P
Condition Criteria:	State = FL Injury Severity = Fatal Injury (K)
Univariate Variable:	Day of Week
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 **Day of Week^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 **Univariate Tabulation** button.
4. On the **Step 4: Choose Report Format Options** screen:
 - From the **Select a Variable** drop-down list, select **Day of Week**.
 - From the **Select Data to Count** drop-down list, select **Number of Persons**.
 - In the **Report Title** box, type **Fatalities by Day of Week**.
 - 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:	Motorcycle Occupant Fatalities by County
Year:	2005
Variables:	County ^C , Injury Severity ^P , Person Type ^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
Univariate Variable:	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, Injury Severity^P, Person Type^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** (make multiple selections by clicking the first selection and then holding down the **Ctrl** key while you click the remaining selections).
 - From **Body Type**, select **80, 81, 82, 83, 88, 89**.
 - Click the **Univariate Tabulation** button.
4. On the **Step 4: Choose Report Format Options** screen:
 - From the **Select a Variable** drop-down list, select **County**.
 - From the **Select Data to Count** drop-down list, select **Number of Persons**.
 - In the **Report Title** box, type **Motorcycle Occupant Fatalities by 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 5

Report Title:	Fatalities by Holiday
Year:	2005
Variables:	Holiday ^C , Injury Severity ^P
Condition Criteria:	State = FL Injury Severity = Fatal Injury (K)
Univariate Variable:	Holiday
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 **Holiday^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 **Univariate Tabulation** button.
4. On the **Step 4: Choose Report Format Options** screen:
 - From the **Select a Variable** drop-down list, select **Holiday**.
 - From the **Select Data to Count** drop-down list, select **Number of Persons**.
 - In the **Report Title** box, type **Fatalities by Holiday**.
 - 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:	Pedestrian Fatalities by County
Year:	2005
Variables:	County ^C , Injury Severity ^P , Person Type ^P
Condition Criteria:	State = FL Injury Severity = Fatal Injury (K) Person Type = Pedestrian (5)
Univariate Variable:	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**, **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 **Injury Severity**, select **Fatal Injury (K)**.
 - From **Person Type**, select **Pedestrian**.
 - Click the **Univariate Tabulation** button.
4. On the **Step 4: Choose Report Format Options** screen:
 - From the **Select a Variable** drop-down list, select **County**.
 - From the **Select Data to Count** drop-down list, select **Number of Persons**.
 - In the **Report Title** box, type **Pedestrian Fatalities by 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 7

Report Title:	Vehicle Body Type by Fatal Injury at Work
Year:	2005
Variables:	Fatal Injury at Work ^P , Body Type ^V
Condition Criteria:	State = FL Fatal Injury at Work = Yes (1)
Univariate Variable:	Body Type
Count:	Number of Vehicles/Drivers
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 **Fatal Injury at Work^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 **Fatal Injury at Work**, select **Yes**.
 - Click the **Univariate Tabulation** button.
4. On the **Step 4: Choose Report Format Options** screen:
 - From the **Select a Variable** drop-down list, select **Body Type**.
 - From the **Select Data to Count** drop-down list, select **Number of Vehicles/Drivers**.
 - In the **Report Title** box, type **Vehicle Body Type for Fatal Injury at Work**.
 - 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:	Number of Fatalities Occurring in Intersections by County
Year:	2005
Variables:	County ^C , Relation to Junction ^C , Injury Severity ^P
Condition Criteria:	State = FL Injury Severity = Fatal Injury (K) Relation to Junction = Intersection (2) Relation to Junction = Intersection (10)
Univariate Variable:	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**, **Relation to Junction^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 Relation to Junction, select **(2) Intersection (Non-Interchange)** and **(10) Intersection (Interchange Area)**.
 - From **Injury Severity**, select **Fatal Injury (K)**.
 - Click the **Univariate Tabulation** button.
4. On the **Step 4: Choose Report Format Options** screen:
 - From the **Select a Variable** drop-down list, select **County**.
 - From the **Select Data to Count** drop-down list, select **Number of Persons**.
 - In the **Report Title** box, type **Number of Fatalities Occurring in Intersections by 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 9

Report Title:	Drivers Involved in Fatal Crashes by License State
Year:	2005
Variables:	License State ^D
Condition Criteria:	State = FL
Univariate Variable:	License State
Count:	Number of Vehicles/Drivers
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 **License State^D** and then click the **Submit** button.
3. On the **Step 3: Choose Condition Criteria** screen:
 - From **State**, select **Florida**.
 - Click the **Univariate Tabulation** button.
4. On the **Step 4: Choose Report Format Options** screen:
 - From the **Select a Variable** drop-down list, select **License State**.
 - From the **Select Data to Count** drop-down list, select **Number of Vehicles/Drivers**.
 - In the **Report Title** box, type **Drivers Involved in Fatal Crashes by License State**.
 - 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 10

Report Title:	Vehicles Involved by Rollover Occurrence
Year:	2005
Variables:	Rollover ^V
Condition Criteria:	State = FL
Univariate Variable:	Rollover
Count:	Number of Vehicles/Drivers
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 **Rollover^V** and then click the **Submit** button.
3. On the **Step 3: Choose Condition Criteria** screen:
 - From **State**, select **Florida**.
 - Click the **Univariate Tabulation** button.
4. On the **Step 4: Choose Report Format Options** screen:
 - From the **Select a Variable** drop-down list, select **Rollover**.
 - From the **Select Data to Count** drop-down list, select **Number of Vehicles/Drivers**.
 - In the **Report Title** box, type **Vehicles Involved by Rollover Occurrence**.
 - 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.