

WORK ZONE ANALYSIS

For questions of comments, contact: Dr. David B. Brown

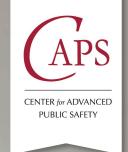
brown@cs.ua.edu

For more information of Work Zones, please see:

http://www.safehomealabama.gov/tag/work-zones/



General Extent of the Problem

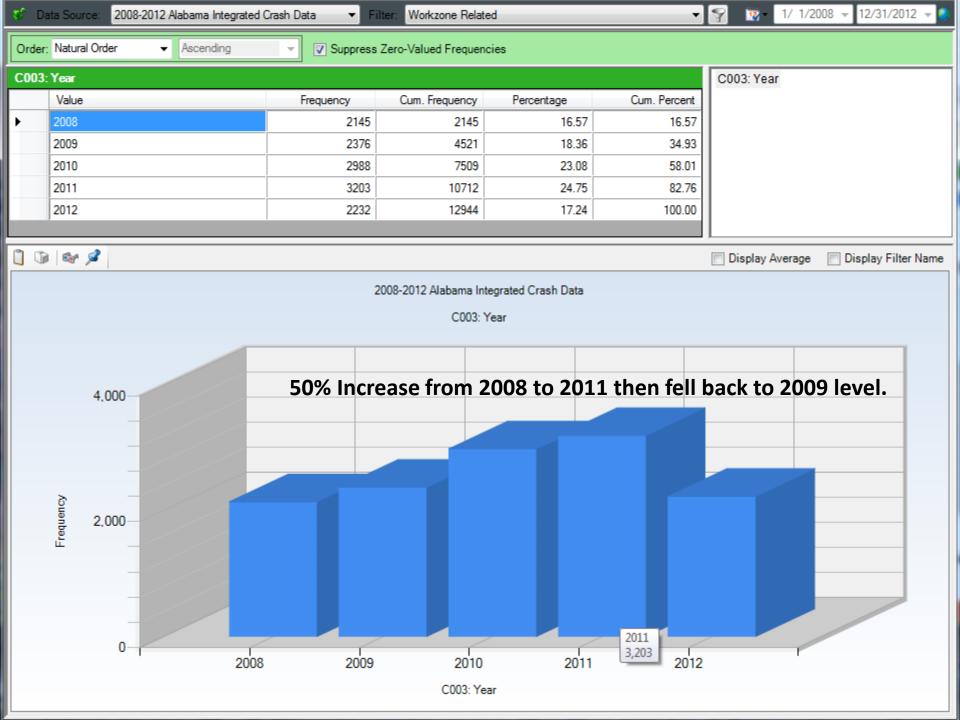


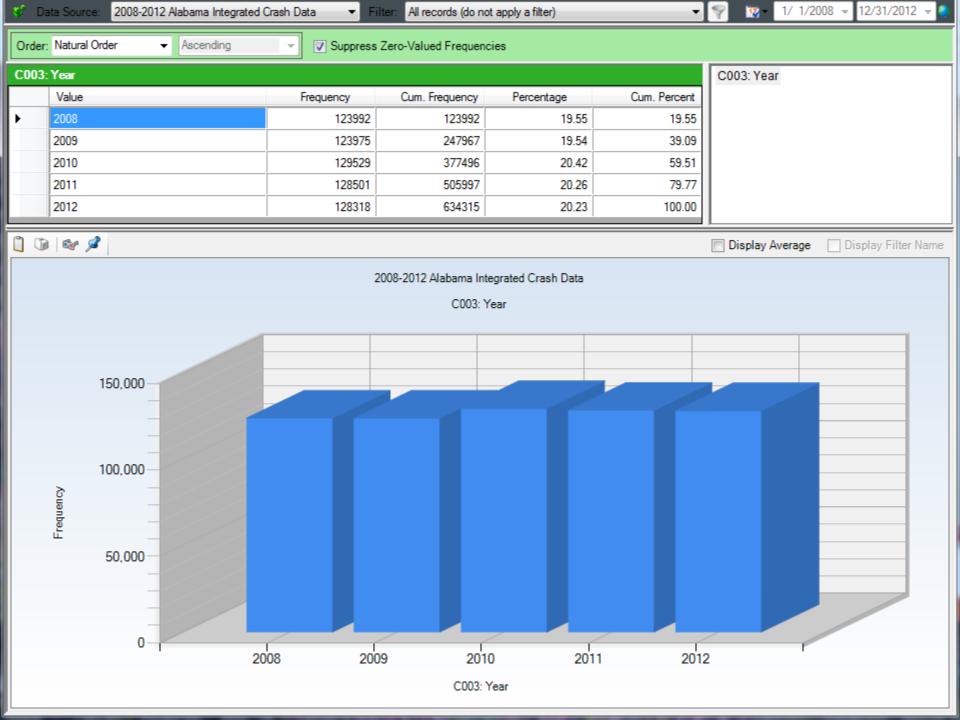
Five-Year Trend

TRUE or FALSE:

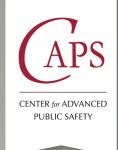
Over the past five years (2008-2012) the number of work zone crashes increase by 50%.

The overall number of crashes has remained relative stable.





"OVER-REPRESENTATED"

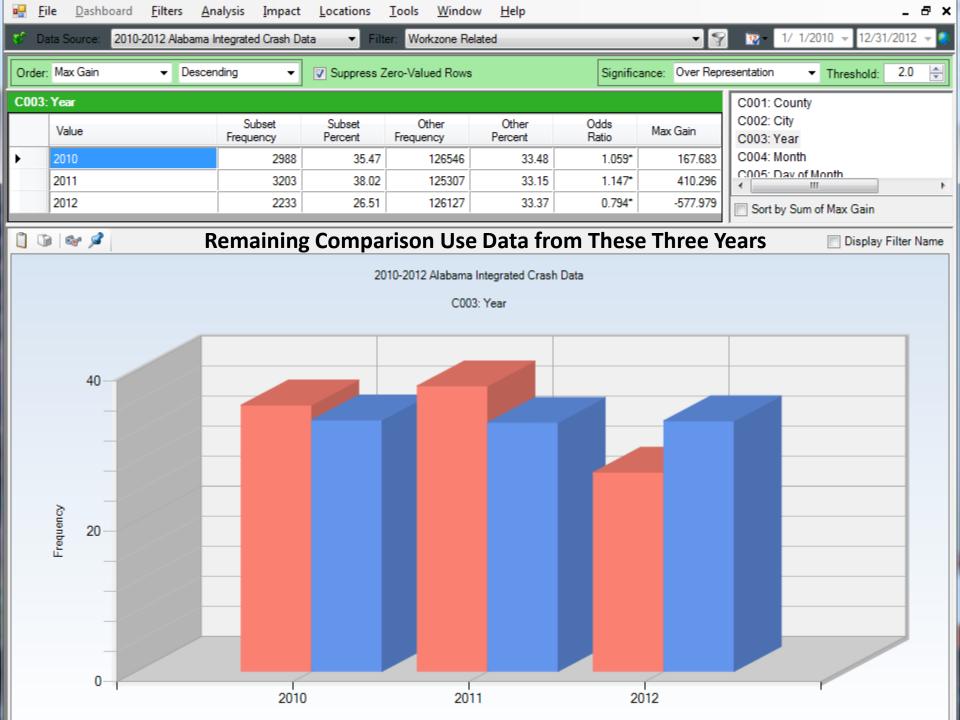


Over-represented means that the probability of the attribute value is significantly higher than expected when compared (in this case) to crashes not related to WZs.

In the following graph, year 2011 is over-represented in WZ crashes (by about 15%).

Red = WZ Involved Crashes

Blue = Crashes that Did Not Involve WZ



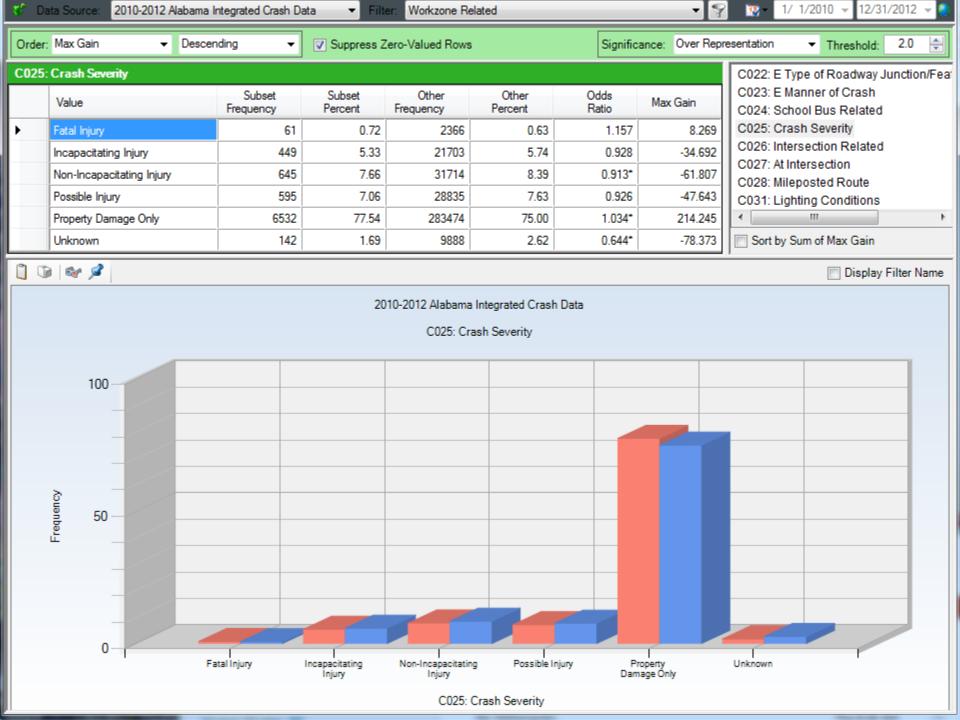
General Extent of the ProblemSeverity



TRUE or FALSE

WZ involved crashes produce about 15% more fatal crashes than those non-WZ.

- Red = WZ Involved Crashes
- Blue = Crashes that Did Not Involve WZ



Work Zone Type

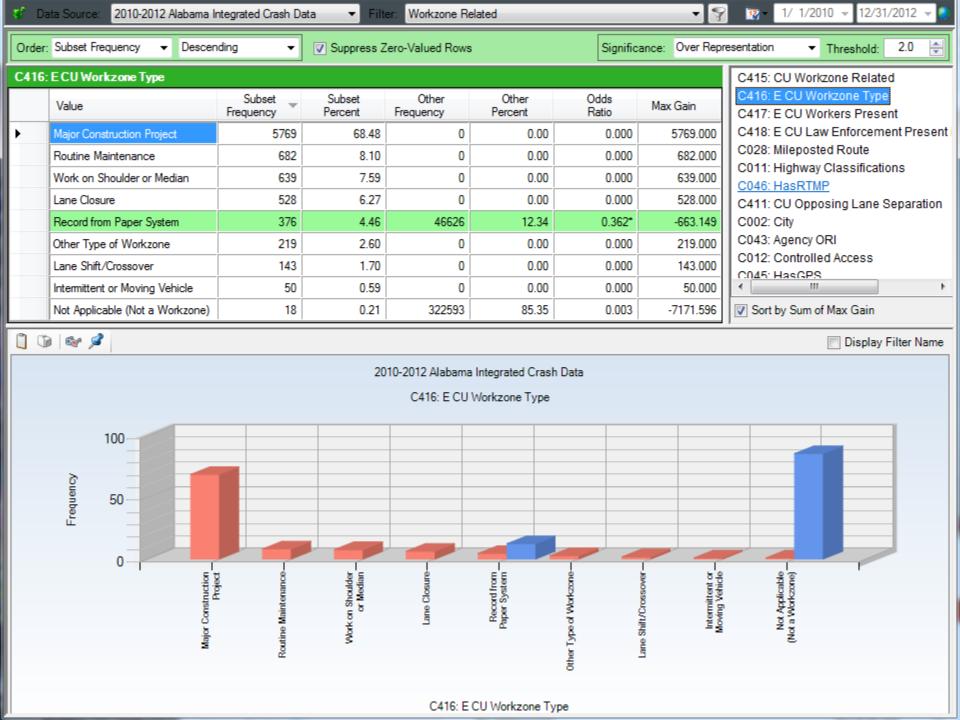
Activity in Workzone



TRUE or FALSE

The vast majority of WZ crashes involve major construction projects.

- Red = WZ Involved Crashes
- Blue = Crashes that Did Not Involve WZ



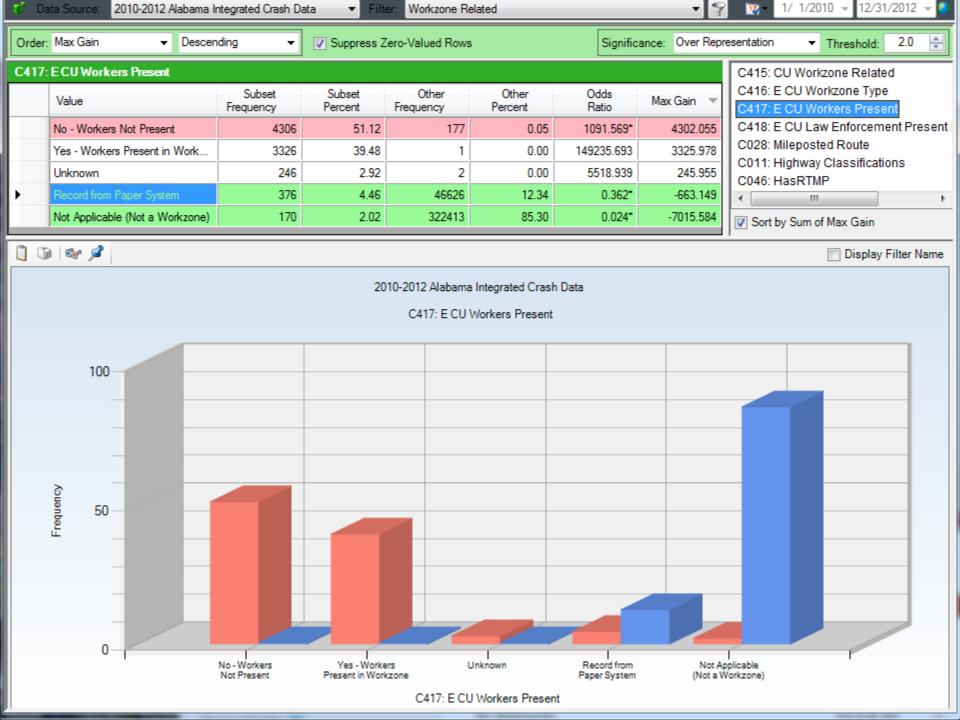
Workers PresentActivity in Workzone



TRUE or FALSE

Workers were not present in about 50% of the WZ crashes.

- Red = WZ Involved Crashes
- Blue = Crashes that Did Not Involve WZ



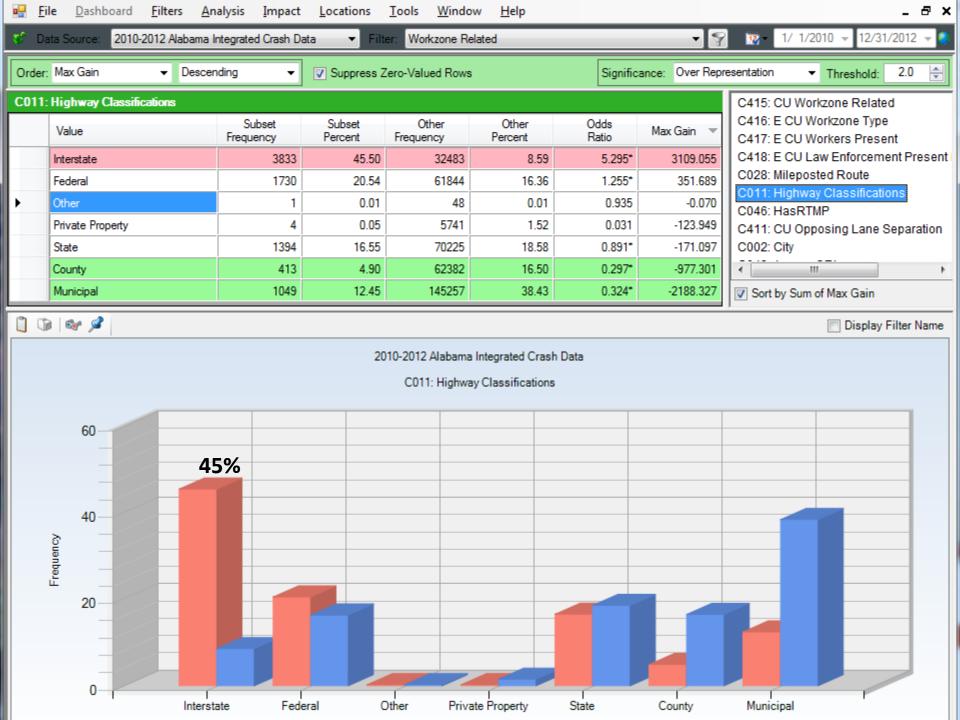




TRUE or FALSE

Less that 20% of WZ crashes involved Interstate highways.

- Red = WZ Involved Crashes
- Blue = Crashes that Did Not Involve WZ



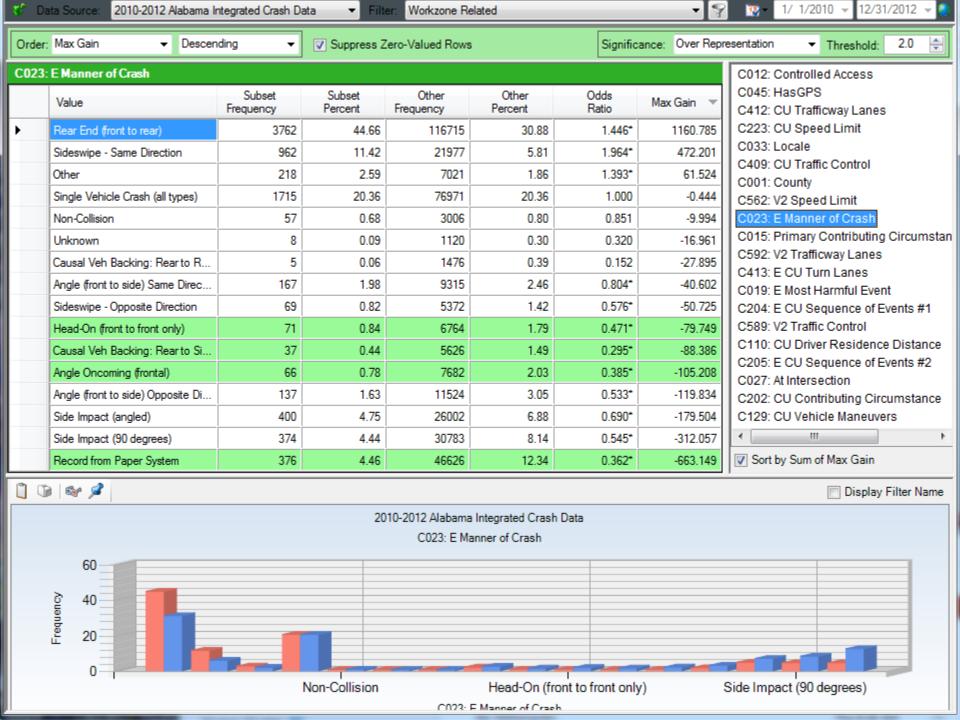
Crash TypeManner of Crash

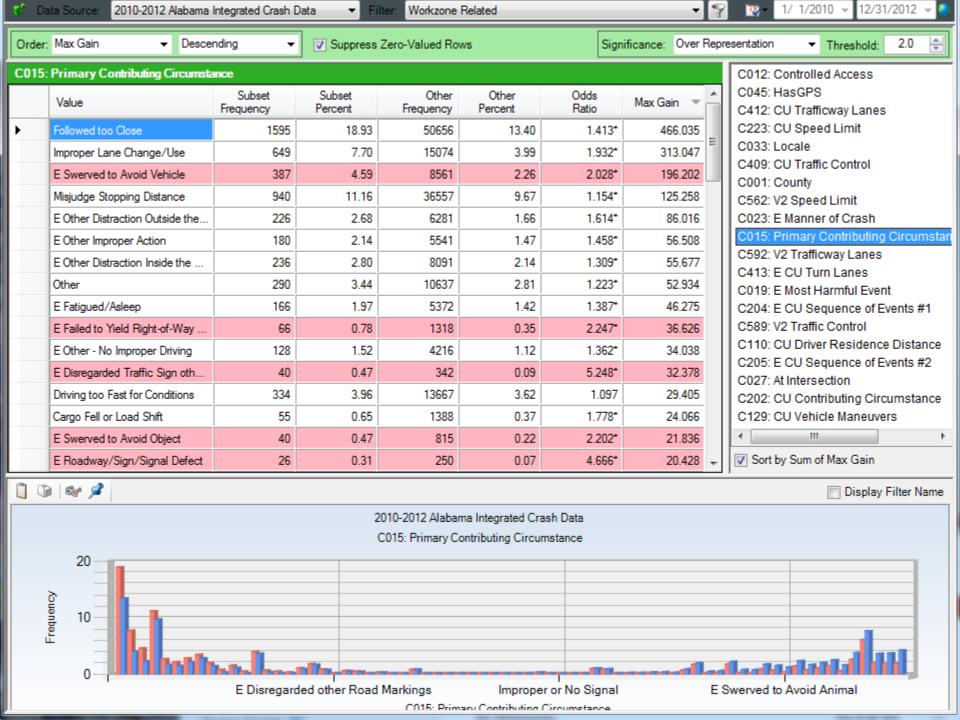


TRUE or FALSE

The largest proportion of WZ crashes are rear-ends caused by following too close.

- Red = WZ Involved Crashes
- Blue = Crashes that Did Not Involve WZ





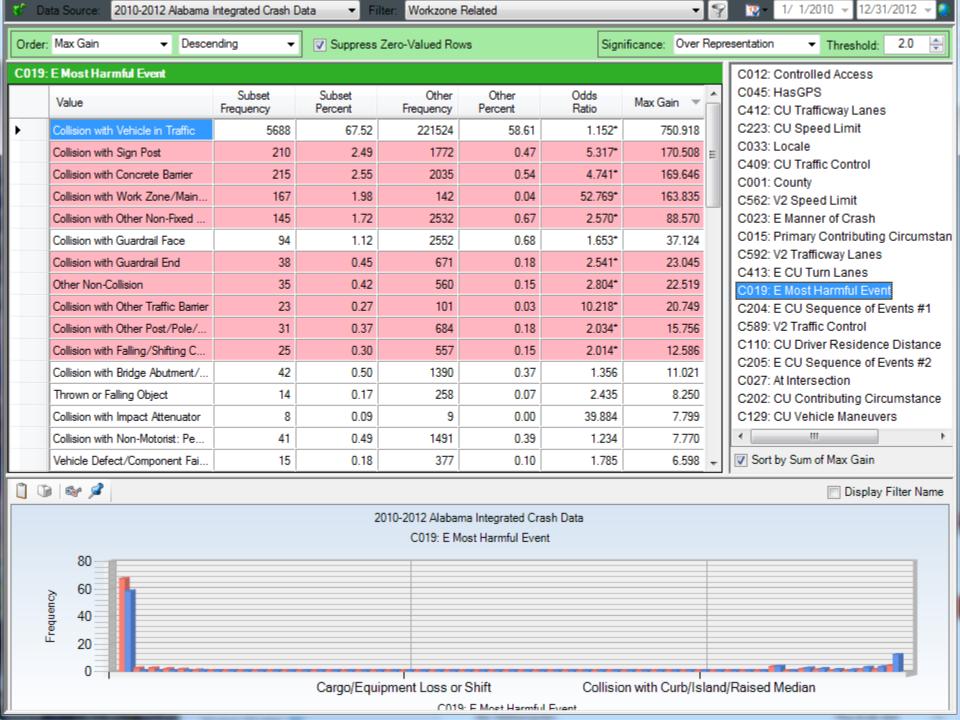
Crash Type Most Harmful Event



TRUE or FALSE

Most WZ crashes involve two or more vehicles and do not involve obstacles in the work zone.

- Red = WZ Involved Crashes
- Blue = Crashes that Did Not Involve WZ





Thank you for your concern for traffic safety and For observing speed limits in work zones

For more information on work zones, please see: http://www.safehomealabama.gov/tag/work-zones/