Dashboard

A picture containing graphical user interface

Description automatically generated

Property Damage Drillthrough Target

Chart, scatter chart

Description automatically generated

Injuries Drillthrough Target

Map

Description automatically generated

Deaths Drillthrough Target

Map

Description automatically generated

Dashboard User Guide

This dashboard is designed for the Emergency Management Agency as a tool to use in the field. The information contained in the dashboard is updated in real time as information becomes available. The information is intended to provide the basic information needed to speak with the press as well as for the emergency response. Individual visualizations for property damage, injuries, and deaths on the dashboard have drillthroughs for target pages with more in-depth information. These target pages match the colors of the dashboard visualization in order to promote recognition of the category of data that is being viewed, particularly in times of heightened stress such as during an emergency storm event. Property damage data is orange, injury data is purple, and death data is red.

The dashboard begins with aggregate data from the year about the number of each type of storm event. This information would be useful when discussing a current event in the context of the year. It can be filtered by time to give a different range of dates, such as the past week or month, or this same time last year.

Below this visualization is a chart of the totals of property damage, injuries, and deaths by county and region. This data can be filtered for the date range. This provides a quick view of totals as they become known.

The map on the dashboard identifies the locations of the storm events as they are reported. This information can be set to the past several hours with a date/time filter. This will help emergency response to target the areas that are in need the most.

The meter for property damage shows the total property damage for a time range set by the filter. This visualization has a drillthrough that targets the more in-depth page on property damage, so when an individual right clicks on the data, the option to drillthrough to the property damage target page is shown.

Example:

Graphical user interface, application

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The target page has information for the property damage by month as well as by county. The map shows the locations of reported property damage with the corresponding bubbles increasing commensurate with the magnitude of damage.

The injuries visualization shows a chart of the number of injuries occurring due to weather events each month. This can be filtered by day as well. The target page for this drillthrough shows the line graph of the number of injuries, assisting in visualizing trends. Filtered by day with a shorter time period, it can indicate whether there are trends in the number of injuries. There are also injury tallies in the bar chart according to county and regions of counties. The map indicates the locations of the reported injuries. The deaths visualization functions in the same way, with a drillthrough to a target page on death data that is representative of county as well as a mapped location of deaths reported due to weather events.

Examples of drillthroughs for injuries:

Graphical user interface, application

Description automatically generated

And deaths:

Chart, waterfall chart

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