



The USA Weather Analysis

This is a countrywide weather events dataset from, (Jan 2016-Dec 2021), that includes **7.5 millions** events, and covers 49 states of the United States. Examples of weather events are rain, snow, storm, and freezing condition.

Event Type
All

Severity
All

7.48M

Total Event

1.20M

Total Moderate Event

1.46M

Total Severe Event

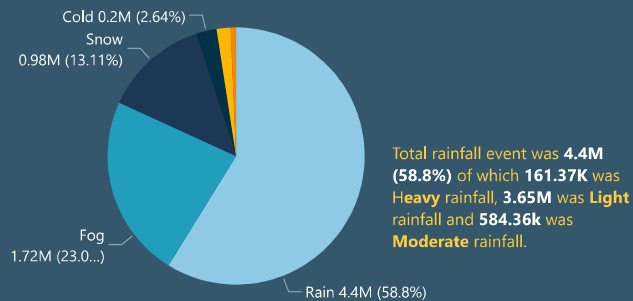
4.49M

Total Light Event

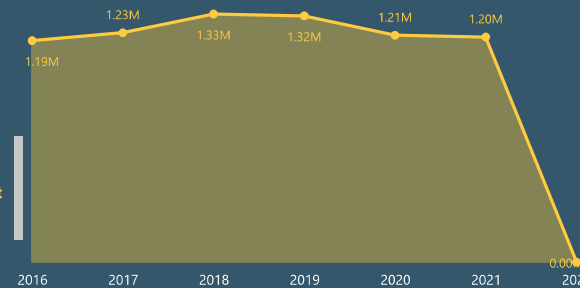
194.26K

Total Heavy Event

Percentage of Each Event Type

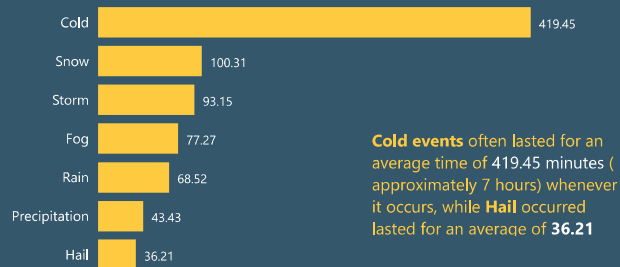


Yearly Event Record

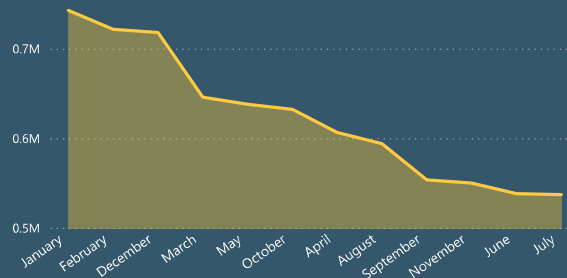


The event records escalated in **2018** to the value of **1.33M** possibly due to increase in reports released by the airports. However, from **2019 - 2021**, there was a significant drop in events records which may be due to **Covid'19** breakout and its lockdown in **2020**.

Average Time (min) of Event

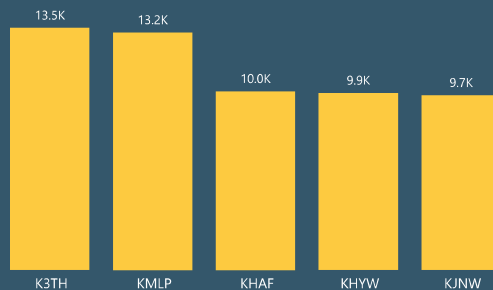


Monthly Event Record

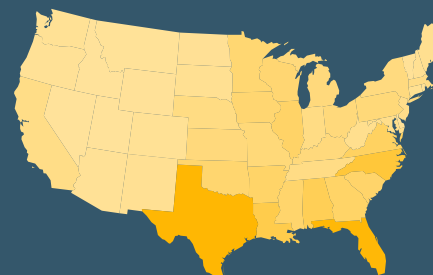


Most event type occurred in **January, February** and **December** while there was a low event record in **November, June** and **July**.

Top 5 Airports with Events Record



State with Heavy Rainfall



Most heightened **Heavy Rainfall** event was recorded in **Texas State (TX)** with value of **16,512**, then **Florida state (FL)** with value of **16,070** and **North Carolina State (NC)** with value of **10,490**.