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Project 1 Title: **Crime rates in Cuyahoga County by Season**

School: CWRU Bootcamp-Data Analytics

**Objective:**

* Analyze the crime statistics available to determine if there is any correlation between the time of year and crime rates in Cuyahoga County, Ohio. We have chosen to look at data sets for 2018.

**Questions:**

* Was there was a season where crime rates spiked?
* Was there was a season where crime rates dipped?
* Did crime differ by offender and victim age when broken down into groups by season?
* Were there any mitigating disaster factors (i.e. an exceptional heat wave) that affected the crime rate during 2018?
* Is there a correlation between the seasons and crime if the data is segmented by juveniles versus adults?

**Potential Resources:**

***FBI Uniform Crime Report***

<https://github.com/fbi-cde/crime-data-frontend/blob/master/README.md>

***FBI Crime Data Explorer***

<https://crime-data-explorer.fr.cloud.gov/explorer/state/ohio/crime>

***SpotCrime***

<https://spotcrime.com/OH/Cleveland/analytics>

***Bureau of Justice Statistics***

<https://www.bjs.gov/>

***Github Crime Statistics API***

<https://github.com/fbi-cde/crime-data-frontend/blob/master/README.md>

***Weather API***

[http://api.openweathermap.org/data/2.5/weather?](http://api.openweathermap.org/data/2.5/weather?%20)