Difficulty: **easy**

Now let's analyze some funny data. Did you know that New York City collects census data . . . about squirrels? Yep, they even have a [website](https://www.thesquirrelcensus.com/).

[This dataset](https://data.cityofnewyork.us/Environment/2018-Central-Park-Squirrel-Census-Squirrel-Data/vfnx-vebw) from 2018 contains data about 3000+ squirrel sightings, such as age, fur color, activities, interaction with humans, etc.

We can think of many questions:

* What was the date for the highest number of sightings?
* Who runs more, adults or juveniles?
* Which squirrels are more willing to approach humans, and in which areas?
* Do squirrels who approach humans eat more frequently?
* We can also group squirrels by location, fur color, and age and see if they are connected to squirrels' activities.

Even if you don't find any correlation, it's still funny to analyze, and may even make a future employer smile — and positive reactions are what we want from employers!

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| **Column Name** | **Description** | **Type** |
| **X** | Longitude coordinate for squirrel sighting point | Number |  |
| **Y** | Latitude coordinate for squirrel sighting point | Number |  |
| **Unique Squirrel ID** | Identification tag for each squirrel sightings. The tag is comprised of "Hectare ID" + "Shift" + "Date" + "Hectare Squirrel Number." | Plain Text |  |
| **Hectare** | ID tag, which is derived from the hectare grid used to divide and count the park area. One axis that runs predominantly north-to-south is numerical (1-42), and the axis that runs predominantly east-to-west is roman characters (A-I). | Plain Text |  |
| **Shift** | Value is either "AM" or "PM," to communicate whether or not the sighting session occurred in the morning or late afternoon. | Plain Text |  |
| **Date** | Concatenation of the sighting session day and month. | Plain Text |  |
| **Hectare Squirrel Number** | Number within the chronological sequence of squirrel sightings for a discrete sighting session. | Number |  |
| **Age** | Value is either "Adult" or "Juvenile." | Plain Text |  |
| **Primary Fur Color** | Value is either "Gray," "Cinnamon" or "Black." | Plain Text |  |
| **Highlight Fur Color** | Discrete value or string values comprised of "Gray," "Cinnamon" or "Black." | Plain Text |  |
| **Combination of Primary and Highlight Color** | A combination of the previous two columns; this column gives the total permutations of primary and highlight colors observed. | Plain Text |  |
| **Color notes** | Sighters occasionally added commentary on the squirrel fur conditions. These notes are provided here. | Plain Text |  |
| **Location** | Value is either "Ground Plane" or "Above Ground." Sighters were instructed to indicate the location of where the squirrel was when first sighted. | Plain Text |  |
| **Above Ground Sighter Measurement** | For squirrel sightings on the ground plane, fields were populated with a value of “FALSE.” | Plain Text |  |
| **Specific Location** | Sighters occasionally added commentary on the squirrel location. These notes are provided here. | Plain Text |  |
| **Running** | Squirrel was seen running. | Checkbox |  |
| **Chasing** | Squirrel was seen chasing another squirrel. | Checkbox |  |
| **Climbing** | Squirrel was seen climbing a tree or other environmental landmark. | Checkbox |  |
| **Eating** | Squirrel was seen eating. | Checkbox |  |
| **Foraging** | Squirrel was seen foraging for food. | Checkbox |  |
| **Other Activities** |  | Plain Text |  |
| **Kuks** | Squirrel was heard kukking, a chirpy vocal communication used for a variety of reasons. | Checkbox |  |
| **Quaas** | Squirrel was heard quaaing, an elongated vocal communication which can indicate the presence of a ground predator such as a dog. | Checkbox |  |
| **Moans** | Squirrel was heard moaning, a high-pitched vocal communication which can indicate the presence of an air predator such as a hawk. | Checkbox |  |
| **Tail flags** | Squirrel was seen flagging its tail. Flagging is a whipping motion used to exaggerate squirrel's size and confuse rivals or predators. Looks as if the squirrel is scribbling with tail into the air. | Checkbox |  |
| **Tail twitches** | Squirrel was seen twitching its tail. Looks like a wave running through the tail, like a breakdancer doing the arm wave. Often used to communicate interest, curiosity. | Checkbox |  |
| **Approaches** | Squirrel was seen approaching human, seeking food. | Checkbox |  |
| **Indifferent** | Squirrel was indifferent to human presence. | Checkbox |  |
| **Runs from** | Squirrel was seen running from humans, seeing them as a threat. | Checkbox |  |
| **Other Interactions** | Sighter notes on other types of interactions between squirrels and humans. | Plain Text |  |
| **Lat/Long** | Latitude and longitude | Point |  |