Questions to ask of the NASA Wildfire Data

1. What is the spatial distribution of fires in Canada, based on latitude and longitude?
2. How do the brightness and confidence levels of fires vary across different regions in Canada?
3. Are there any noticeable patterns in the day-night distribution of fires in Canada?
4. Can we identify any trends or seasonal variations in fire occurrences based on the acquisition date?
5. Which satellites and instruments are commonly used to detect fires in Canada?
6. What is the average fire radiative power (FRP) in different areas of the country?
7. Is there a correlation between the brightness temperature (bright\_t31) and FRP of fires?
8. How does the scan and track angles of satellite data affect the accuracy of fire detection?
9. Are there any significant differences in fire data between versions of the dataset?
10. What is the overall trend in fire occurrences over the years?
11. Can we identify any outliers or extreme values in the data that may indicate unusual fire events?
12. Are there any specific trends or patterns in fires during the day and night, and how do they vary by season?
13. Can we identify areas with high or low fire confidence levels, and are there geographical factors that correlate with confidence?
14. What is the relationship between latitude and the number of fire detections?
15. How does the fire data compare between different provinces or territories within Canada?
16. Are there any correlations between fire occurrences and other environmental factors, such as temperature, humidity, or wind speed, if additional data is available?
17. What is the historical evolution of fire data in Canada, and are there any long-term trends or changes?
18. Can we detect any clusters or hotspots of fires using spatial analysis techniques?
19. What are the most common causes of fires, and can we analyze their distribution and trends?
20. How do fire occurrences in Canada compare to those in other countries or regions, if you have data for comparisons?