**Detailed Data Assessment**

**Yes, Wildfires Causes Global Harm**

The dataset chosen for the project consists 1.88 million geo-referenced wildfire records, representing a total of 140 million acres burned during the 24-year period. The time frame for the same is from 1992-2015 it has been collected by Fire Program Analysis (FPA) in its third edition. It has 38 Features and 1.88 million records, Dataset being in a SQLite format also has many virtual tables which would be removed while working in CSV. It’s mentioned in the description that basic-error checking was performed on the dataset removing the miscellaneous and unwanted records but there is still scope for further cleaning which would be performed along the project cycle.

The five C’s of ethics:

Consent: The data is available on Kaggle and has been uploaded by US Govt and anybody can use it for analysis purpose.

Clarity: We are clear intention that we will be using this data for our project.

Consequences: As this is not a sensitive data and it is open to everybody so it does not have any consequences. The data will not harm anybody.

Control: The data is controlled and updated my US Govt.

Consistency: Yes our dataset is consistent but it is not dynamic so there should not be any problem with consistency.

The data were transformed to conform, when possible, to the data standards of the National Wildfire Coordinating Group (NWCG). So the respected consent has been taken care of.

The required permissions and pre-requisites were also respected as the data page has the statement below stating that

“These data were collected using funding from the U.S. Government and can be used without additional permissions or fees. If you use these data in a publication, presentation, or other research product please use the following citation:

Short, Karen C. 2017. Spatial wildfire occurrence data for the United States, 1992-2015 [FPA\_FOD\_20170508]. 4th Edition. Fort Collins, CO: Forest Service Research Data Archive. <https://doi.org/10.2737/RDS-2013-0009.4> ”