

User guide for crash4viz

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Step 1:

Clone github repo by ***git clone***

https://github.com/syin3/crash4viz.git

Step 2:

Install the package by ***python setup.py install***

Step 3:

Know what's in our data by looking at

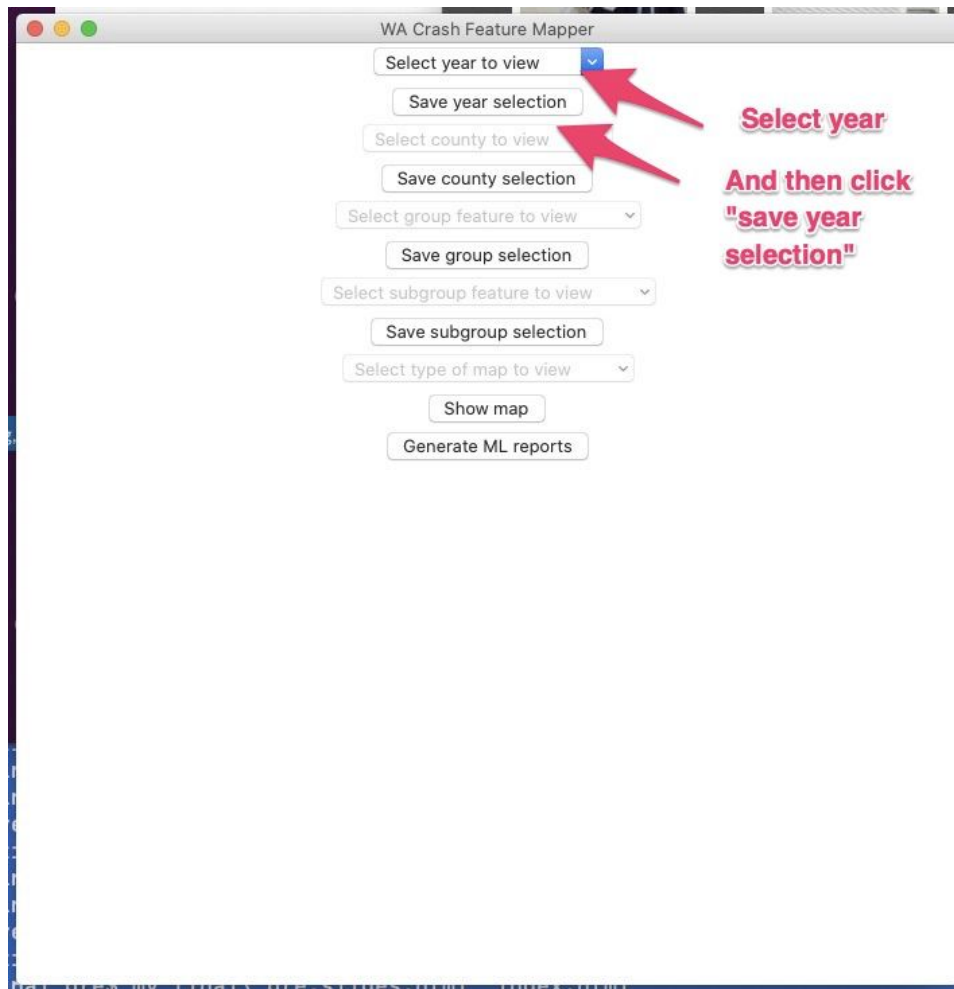
crash4viz/docs/data handbook/var_explanation.pdf and

crash4viz/docs/data handbook/hsis_data_guidebook.pdf

Step 4:

Start using!

(1) Must select year for mapping or report



(2) To visualize, must have valid choices for all fields, especially the kind of map to plot:

The screenshot shows the 'WA Crash Feature Mapper' web application. It features a series of dropdown menus and buttons for configuring a map. The dropdown menus are set to '2017', 'Klickitat', 'Weather', 'Clear or Partly Cloudy', and 'Basic road-map'. Below these are buttons for 'Save year selection', 'Save county selection', 'Save group selection', 'Save subgroup selection', 'Show map', and 'Generate ML reports'. Annotations include red arrows pointing to the dropdown menus with the text 'After selecting And saving all choices,' and green arrows pointing to the 'Basic road-map' dropdown and the 'Show map' button with the text 'Select a desired map to plot' and 'Click show map' respectively. At the bottom, a message states: 'Basic map for Clear or Partly Cloudy, under Weather conditions saved in "outputs" folder'.

WA Crash Feature Mapper

2017

Save year selection

Klickitat

Save county selection

Weather

Save group selection

Clear or Partly Cloudy

Save subgroup selection

Basic road-map

Show map

Generate ML reports

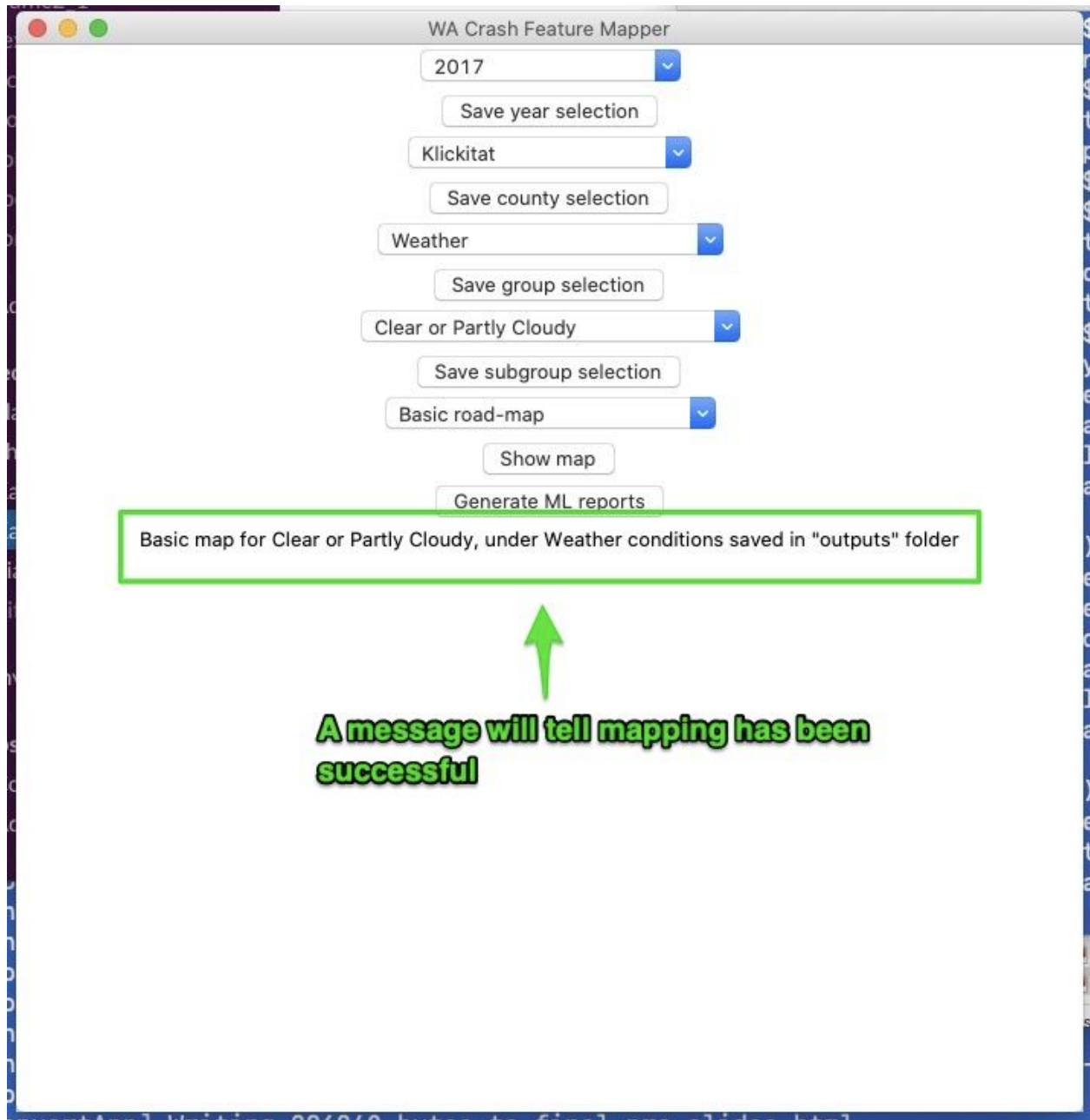
After selecting And saving all choices,

Select a desired map to plot

Click show map

Basic map for Clear or Partly Cloudy, under Weather conditions saved in "outputs" folder

If successful, a message at the bottom will show up as follows. It will tell the kind of map with selected features are plotted in the output folder, which is "/crash4viz/outputs/" in our case.



- (3) To generate analysis report, the user is only asked to select year. After selection, clicking "Generate ML reports" will produce statistics plots in outputs folder. Again, `"/crash4viz/outputs/"` in our case.

