

CAV Regression Report

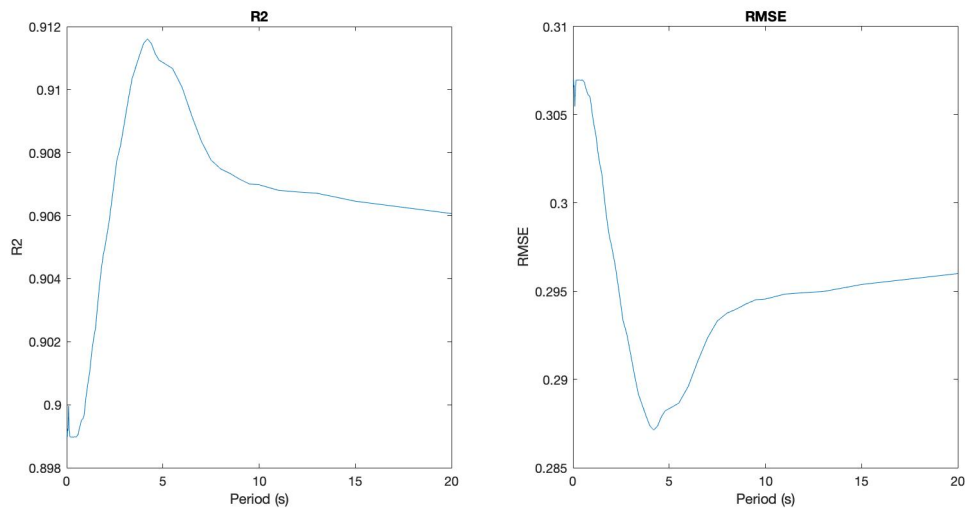


Fig. 1

From Fig. 1 the optimum T value for Sa is obtained, T = 4.2 sec.

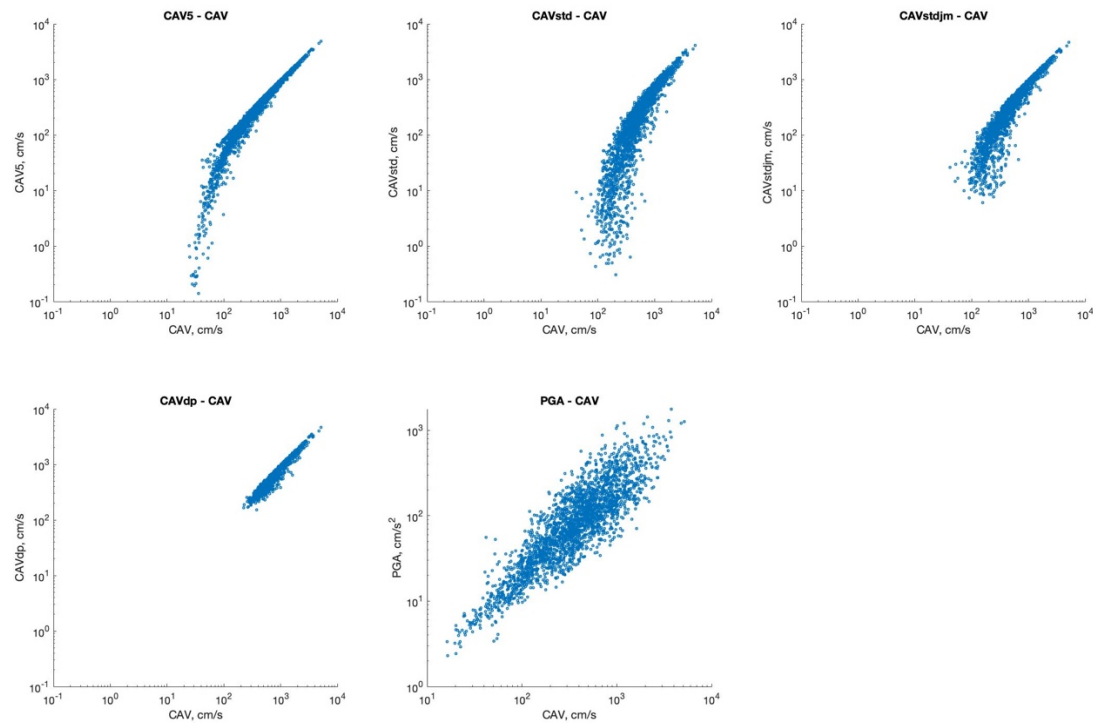
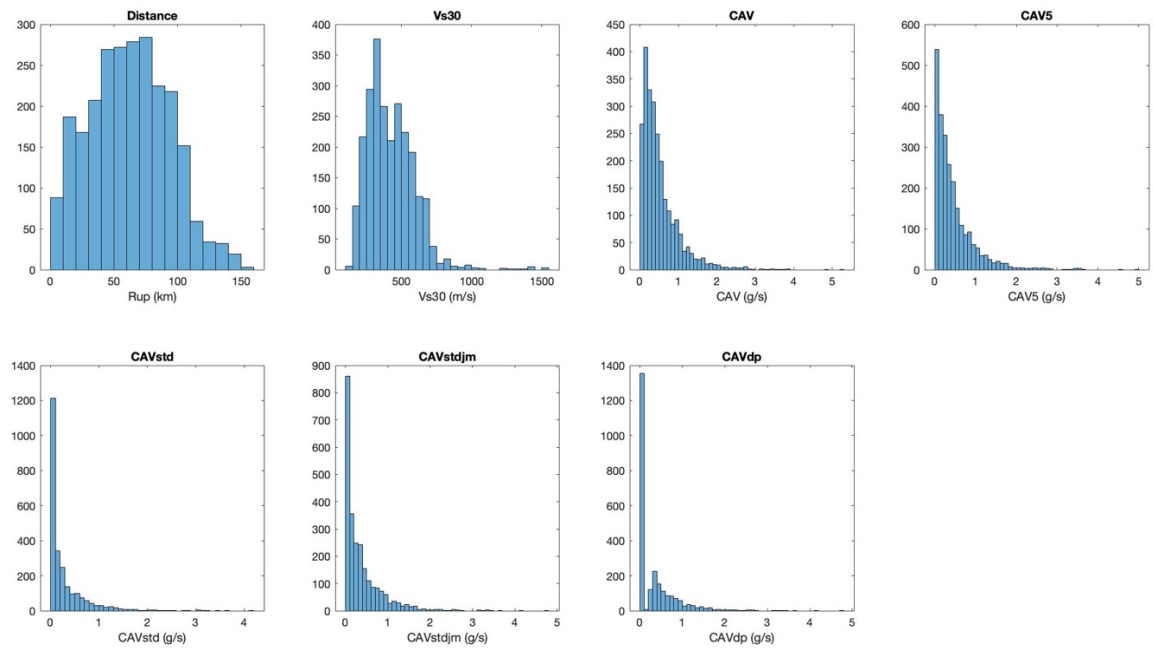


Fig. 2

In Fig.2, the *CAVstd* is not mentioned in Campbell's paper, which directly impose threshold on all time series. However, *CAVstdjm* divide the time series into intervals in terms of time and then find the *PGA* within each interval. As a result, *CAVstdjm* has a higher value than *CAVstd*.

*CAVdp* impose checks on *CAVstdjm*, thus, the plot of *CAVdp* only is the upper right part of *CAVstdjm*.



**Fig.3**

In Fig.3, the highest bar in *CAVdp* is actually 0 values, which are *CAVstdjm* that have failed the checks.

