

MA615 Week3 Kritik Activity

About

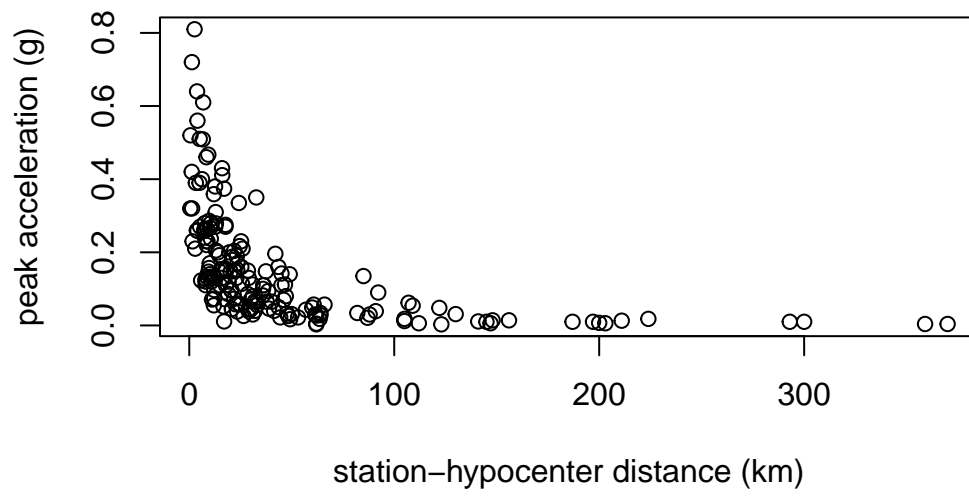
The dataset used for this report is “attenu”, which contains the measurements of the peak acceleration of 24 earthquakes in California at different observation stations.

Source: Joyner, W.B., D.M. Boore and R.D. Porcella (1981). Peak horizontal acceleration and velocity from strong-motion records including records from the 1979 Imperial Valley, California earthquake. USGS Open File report 81-365. Menlo Park, Ca.

Visualization

```
plot(attenu$dist, attenu$accel,  
      xlab="station-hypocenter distance (km)",  
      ylab="peak acceleration (g)")  
title(main="Acceleration vs Distance")
```

Acceleration vs Distance



The graph shows: peak accelerations (g) vs station-hypocenter distance (km)