

# STA457 Final Project Dataset Guidelines

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There is no doubt that an earthquake is one of the most hazardous natural disasters that could happen to human beings. However, unlike tornados or hurricane that could be easily observed or predicted prior to their occurrence, earthquake is a relative mystery to humans. The EQcount dataset is a time series that measures the annual counts of major earthquakes (defined as magnitude 7 and above) from 1900 to 2006. The data is recorded annually and there are 107 data points in total. By analyzing EQcount we could discover more about the potential occurrence of major earthquakes and take strategic precautions before the occurrence.

## Reference

Comprehensive R Archive Network (CRAN). (n.d.). *Package astsa*. CRAN.  
Retrieved April 9, 2022, from <https://cran.r-project.org/web/packages/astsa/>