Q & A:

So for the first phrase, we will build one model per location;

the location may include a group of several counties since a single county may not have a sufficient number of earthquakes or disposal wells to make a large sample for analysis.

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I will see if we can divide the time into equal time period e.g. one week period. We may also select only major earthquakes (earthquakes with magnitude that is larger than a threshold.

A good threshold may be 2.5 on the magnitude.

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The model will predict the occurrence (Yes/No) of the earthquake in a given location in the next time period. What do you think?

Also predict the magnitude. I will like to predict as far ahead as possible within the limits of the data available.

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Re. the data in the expanded version, the county column is the county of the well, right? (I thought it was an earthquake location).

No county of earthquake.

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is more data coming?

Yes I am waiting for a full set of 2015 water disposal data.

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I think you may not need to combine the earthquake data and the well data. I can write a script to do that automatically.

OK.

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Can you also give me the raw earthquake data? I would like to get the county of each earthquake so that I can build a model to predict an earthquake for each county.

See attached data files.

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