

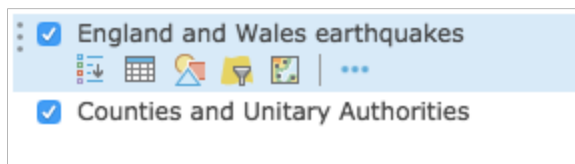
These instructions will show you how to:

1) Count the number of features in an area.

The aim is to use ArcGIS Online to process the two sets of data – earthquakes and counties - to see where they intersect and then produce a new layer of information which can be used to show in which counties earthquakes are most common. You will have to “Login using your (ArcGIS Online) account” to run this analysis.

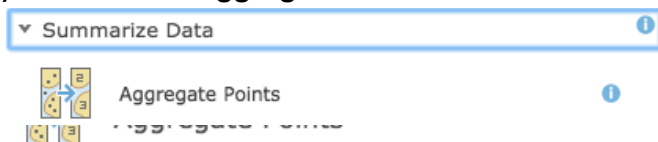
Open the map “[Earthquakes in Counties and Unitary Authorities in England and Wales](#)” and save the map (changing its name if you wish) to a folder or your Home area on ArcGIS Online.

1) Click on the “**Perform Analysis**” icon under the “England and Wales earthquakes” and then on “**Summarize Data.**”



Perform Analysis

2) The click on “**Aggregate Points.**”



3) The **Aggregate Points** menu.

Aggregate Points menu heading

1 Choose layer containing points to aggregate into areas

England and Wales earthquakes

2 Choose layer containing aggregation areas

Counties and Unitary Authorities

☒ Keep areas with no points

3 Add statistics (optional)

Field

Statistic

4 Choose field to group by (optional)

Field

☐ Add minority, majority

☐ Add percentages

5 Result layer name

Aggregation of England and Wales earthquakes to Count

This is the layer with the data you want to aggregate (count)

This is the layer you want to use to aggregate – you want to see how many earthquakes there are in each item in the areas of this layer.

In this case, there is no need to use this field.

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Give the ‘summarize’ file a name. It will be added to the map automatically after analysis.

4) Click **RUN ANALYSIS** and then style the layer, as described in Styling Area Data.