

Natural Hazards: Tephra Fallout Lab: Instructions to set up a class data repository on vhub.org

On Vhub.org: My Hub you should see a 'groups' field. Select 'New Group' and enter the appropriate information.

To set up the class discussions, do the following:

Under 'Discussion' select 'Add Category'

Title: Tephra 2 Probabilistic Analysis

Description: Here transcribe the results of ten runs of the Tephra2 tool. All variables should be set as described in the Tephra2 HW assignment.

Click on your new Category and select 'Add Discussion', which will be on the right.

Title: Data: Results of binning the data

Comments: Provide the results of binning your 10 model runs.

To display data in table format, use the '|' character as indicated in the text in brackets below. Do not type the brackets or data will appear as text rather than as a table.

The following text: `[[BR]]`

```
{|| Tephra thickness (cm) | 0 - 0.099 | 0.1 - 0.999 | 1 - 9.99 | 10 - 99.9 ||}  
[[BR]] {|| Number of runs | 5 | 3 | 2 | 0 ||} [[BR]] [[BR]]  
produces: [[BR]]
```

```
|| Tephra thickness (cm) | 0 - 0.099 | 0.1 - 0.999 | 1 - 9.99 | 10 - 99.9 ||  
|| Number of runs | 5 | 3 | 2 | 0 ||
```

hit submit.

In the next comment field, supply your own results. For example, you might type:

```
|| Tephra thickness (cm) | 0 - 0.099 | 0.1 - 0.999 | 1 - 9.99 | 10 - 99.9 ||  
|| Number of runs | 5 | 3 | 2 | 0 ||
```

and hit submit.

Return to Discussion: Tephra2 Probabilistic Analysis.

Once again, select 'New Discussion':

Title: Data: Results of 10 runs per student

Comment: Consider the amount of tephra fallout to reach the city of Leon given the eruption described in the HW assignment. Fill in the results of your 10 model runs below.

In order to format your data as a table, use the '|' character. The example in brackets will produce the following table. Do not type the brackets or the information will be presented as plain text rather than as a table.

```
{| Run | kg/m^2 tephra | cm tephra |}| [[BR]]  
{| 1 | 0 | 0 |}| [[BR]]
```

produces: [[BR]]

```
|| Run | kg/m^2 tephra | cm tephra ||  
|| 1 | 0 | 0 ||
```

hit submit.

In the next comment field, supply your own data. For example, you might type:

```
|| Run | kg/m^2 tephra | cm tephra ||  
|| 1 | 30 | 2.5 ||  
|| 2 | 0 | 0 ||  
|| 3 | 7 | 0.58 ||  
|| 4 | 0.09 | 0.0075 ||  
|| 5 | 4.5 | 0.375 ||  
|| 6 | 0 | 0 ||  
|| 7 | 0.9 | 0.075 ||  
|| 8 | 0.06 | 0.005 ||  
|| 9 | 60 | 5 ||  
|| 10 | 0.09 | 0.0075 ||
```

hit submit.