

# Processing and presenting fieldwork data

## Key Questions

How can the data be presented?

What presentation techniques would be appropriate?

What else do we need to consider in the presentation process?

## Documents

Handout 3.1 Evaluation of presentation technique

Handout 3.2a Data presentation process card sort

Handout 3.2b Data presentation process

## Data sets and resources

River data

Visitor questionnaire data

Environmental Quality Survey data

Ambleside data and maps

## Main

Handout 3.1 Presentation Techniques

Ask students to look at the selection of data presentation techniques – they can think about the advantages and disadvantages of each technique and examples what kinds of data they would display using them.

Groups or pairs to choose a technique appropriate to their data and complete the technique (arrange so that a range of different techniques are used).

These are then presented on the outline, enlarged to A3.

*Handout 3.2 Evaluation of Presentation Technique*

Carousel the activity for students to evaluate a range of techniques of their peers by completing the 'Peer evaluation' boxes on the handout.

Display the range of techniques. Feedback and evaluation of choices and effectiveness of the techniques.

Exam-style question to summarise.

Evaluate the technique you used to present your data.

Include the advantages and disadvantages and how you could improve the presentation. You could include a suggestion for a better method.

## Plenary

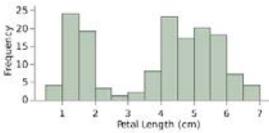
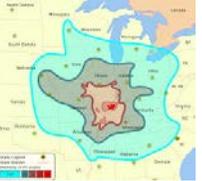
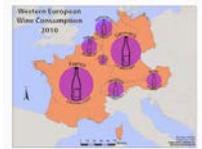
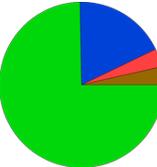
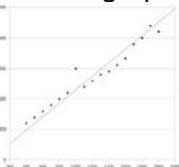
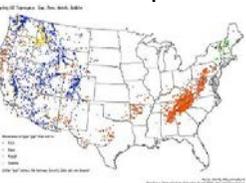
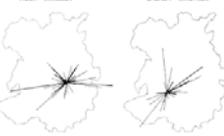
Handout 3.3a Data presentation process card sort

Handout 3.3b Data presentation process

Card sort activity and discussion of the process of presenting data. The process is not prescriptive, there may be variation depending on the resources and data.

# Handout 3.1 – Presentation techniques

Look at this list of possible fieldwork data presentation techniques:

<p>Sketch map</p> 	<p>Bar chart</p> 	<p>Histogram with equal class interval</p> 	<p>Isoline</p> 	<p>Proportional symbols</p> 
<p>Field sketch</p> 	<p>Pie chart</p> 	<p>Scatter graph</p> 	<p>Dot maps</p> 	<p>Proportional Flow lines</p> 
<p>Line chart</p> 	<p>Pictogram</p> 	<p>Choropleth</p> 	<p>Desire lines</p> 	

# Handout 3.2 – Evaluation of presentation technique

Type of data collected:

Title:

Peer Evaluation:  
Advantages of presentation technique:

Justification of choice of presentation  
technique:

Presentation inserted here:

Peer Evaluation:  
Disadvantages of presentation  
technique:

# Handout 3.3a – Data presentation card sort

Use appropriate mathematical and statistical techniques on the data e.g. calculate means, ranks and dispersions

Collate the fieldwork data  
Tabulate the data into a spreadsheet

Create an accurate presentation technique

Evaluate the presentation technique when drawing conclusion to the enquiry

Decide on an appropriate presentation technique.  
Consider whether the data is visual, qualitative or quantitative

Use a presentation technique to analyse and explain the fieldwork data

Choose an appropriate scale, base map, interval size

Collect fieldwork data

- in pairs/groups
- in different locations
- at different times

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# Handout 3.3b – Process of data presentation

