

Fieldwork and sampling

What is a quadrat?

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How do you place quadrats randomly?

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What is a belt transect?

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Why use a belt transect?

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Equation for estimating a population using quadrats.

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What is percentage cover?

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Why take many quadrat samples?

Lay two tape measures at right angles and use random numbers as coordinates for each quadrat.

A square frame used to sample the organisms in a small, known area.

To see how the distribution of organisms changes along an environmental gradient, such as light or moisture.

A line across a habitat with quadrats placed at regular intervals along it.

The percentage of a quadrat covered by a species. It is used when individuals are hard to count.

Mean number per quadrat $\times$ (total area $\div$ area of one quadrat).

It gives a more representative, reliable sample and reduces the effect of anomalies.