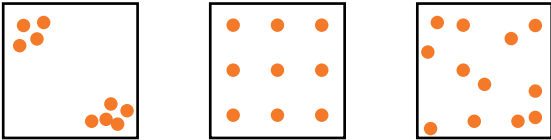


Datasheet Cheatsheet: Quadrat Area Study

	Table	Description	How to
GROUP DATA	Bird's-eye view of your quadrat	Draw what you see in your quadrat. Helpful when remembering what the quadrat looked like. It is also recommended to take a photo of your quadrat.	Draw the plants you found inside your quadrat (or give each species a shape) and number off the species.
	Species Name	Common name of the species you have identified.	<p>You can use plant identification apps and identification books.</p> <ul style="list-style-type: none"> • If you do not know the common name, use a descriptive title like “yellow flower, hairy leaves.” • Make sure to take a picture of a plant in the species even if you know the common name.
	Species Abundance	The number of individuals from that species.	<p>Count the total number of individual plants of each species.</p> <ul style="list-style-type: none"> • Count individuals –not multiple stems/leaves/flowers of the same plant as individual • If the leaves/flowers are in the quadrat but the part of the plant that goes into the ground is not, do not count it.
	Relative Abundance (Species evenness)	The proportion of each species in your quadrat.	$(\text{species abundance}) \div (\text{total of all species abundances in your quadrat}) \times 100\%$

Datasheet Cheatsheet: Quadrat Area Study

	Table	Description	How to
GROUP DATA	Spatial pattern	How the species are arranged in your quadrat.	 <p>Clumped Uniform Random</p>
	Density	The amount of each species per square meter.	$(\text{species abundance}) \div (\text{area of your quadrat})$
	Species Richness	The number of different species found in your quadrat.	Count the number of different species you have recorded.
	Invasive Species	Determining whether the species you have identified is an invasive species.	You can use identification apps, identification books, google searches, or the ISCBC website.
CLASS DATA	Total Abundance	Total abundance of individuals in the species found in all the studied quadrats.	Add up all the individuals of that species found in every quadrat studied.
	Native or Non-Native	Is the species native to your area? If not native, is it considered an invasive plant?	You can use identification apps, identification books, google searches, or the ISCBC website.
	Average	The average number of individuals in the species found in each quadrat.	$(\text{total abundance}) \div (\text{number quadrats studied})$
	Total Population	An estimate of how many individuals in a species are in the whole study area by using the average quadrat data.	$(\text{average}) \times (\text{total number of grids in the area})$ <ul style="list-style-type: none"> If you are using the 10m × 10m study area, the number of grids in the area would be 100
	% Frequency	The amount that the species occurs in the study area.	$(\# \text{ of plots in which the species was found}) \div (\text{total number of quadrats studied}) \times 100\%$