

Didactical Document Theme-Based Trail on Statistics (grades 7-9)
French curriculum

Trail Codes:

In a city/a village :

163291 “Statistics in Anse”

343208 “Statistics in Reyrieux”

In a highschool :

895733 “Statistics in the highschool “Raoul Dufy”, Lyon, France”

List of the tasks

<p>Statistics in Anse</p> <ol style="list-style-type: none"> 1. Disabled’s person parking space : 0617763 2. Majority of initials : 4717767 3. Most common initial : 8917768 4. Distance's median : 2917766 5. Distances' average : 2317765 6. Prime numbers Street Saint Antoine : 2317764 7. Distances' average (town hall) : 1517771 8. Distance's median (town hall) : 1317774 	<p>Statistics in Reyrieux</p> <ol style="list-style-type: none"> 1. Places of interest : 7817388 2. The median prop : 0917389 3. Going to Trévoux on a saturday : 3717392 4. Common firstnames : 7817391 5. Yearly deaths during World War One : 0417390 6. Places for the handicap ? : 0517386 	<p>Statistics in the Highschool Raoul Dufy - Lyon - France</p> <ol style="list-style-type: none"> 1. Encyclopedia : 1828325 2. Place of memory : 7928326 3. School Cafeteria : 2528327 4. Enlightened administration : 5928328 5. Recess space : 0528329 6. Enlightening : 3828330
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7. Mail collection : 6917387

Title	Grade	Main concepts	Students learn	Data to collect	Objects	MCM References
Sizes & Frequency	7	Proportion (of an identified subpopulation)	. Determine a frequency of an obvious sub-population . Calculate a rounded percentage	Number of elements	. Parking spaces . Parking spaces . Memorial . Proportion of tiles with or without lamps (or other object)	0617763 0517386 7928326 3828330
Sizes & Frequency	7	Proportion (of a subpopulation to identify)	. Determine a subpopulation to find its frequency	Number of elements	.Proportion of Prime numbers in street addresses . On a map, proportion of places of interest near a center	2317764 7817388
Sizes & Frequency	7	Proportion (as a ratio of sizes of population)	. Determine the ratio between two populations	Number of elements	. Cafeteria/Restaurant tables	2528327

Sizes & Frequency	7	Modal value of a population	. Find the most common element in a population	Number of elements	.Memorial (most common initial)	8917768
Sizes & Frequency	8	Cumulative frequency of subpopulation ordered by size	. Sort subpopulations by size . Compute a cumulative frequency	Number of elements	.Memorial (the most common names)	4717767
Averages	7	Average value of a list of numbers	.Compute the average value of a list	List of numbers	.Distance signs	1517771 2317765
Averages	7	Average size of subpopulations	.List the sizes of subpopulation .Compute the average value of a list	Number of elements	.Memorial (average number of deaths/year)	0417390
Averages	7	Average distance/time between objects/events	.Determine the number of objects or events .Measure and/or compute the total distance or duration	Number of elements Total distance or duration	.Average Distance between identical objects like lights/doors in a corridor .Bus stop (average waiting time on a specific day)	5928328 3717392
Averages	7	Average area for each individual of a population (inverse of a density)	.Modelization of 2D-shapes .Measurement of distances .Computation of the average area for an element of the population	.Relevant distances	.Recess space at school	0528329

Median	8	Median value of a given list of numbers	.Sort the values of a list .Find the median by taking the middle value of the sorted list	.List of numbers	.Distance signs	2917766 1317774
Median	8	Median value for a given population	.Find the median element of a population by sorting it. .Find the median by measuring the median element	.Median element of a population .Measurement or observation of the element	.Books of a collection in a School Library .Objects decreasing by size on the border of a walking way (like stacks)	1828325 0917389