

Section 3: Individual Task

Part A: The table below lists many of the functions we covered in this lab. For each function, look up the documentation and write a **short** (one or two sentence) description of what the function does.

Summary of functions covered in this lab

Function Name	Description	URL
parseInt()	parseInt() function parses a string argument and returns an integer of the specified radix.	https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/parseInt
d3.nest()	d3.nest() allows elements in an array to be grouped into a hierarchical tree structure.	https://github.com/d3/d3-collection
d3.keys()	d3.keys() returns an array containing the property names of the specified object (an associative array).	https://github.com/d3/d3-collection
d3.entries()	d3.entries returns an array containing the property keys and values of the specified object (an associative array)	https://github.com/d3/d3-collection
d3.rollup()	d3.rollup() will collapse the elements in each leaf node using a summary function.	https://github.com/d3/d3-collection
d3.scaleBand()	d3.scaleBand constructs a new band scale with the specified domain and range, no padding, no rounding and center alignment.	https://github.com/d3/d3-scale
domain()	domain is a numeric array used as input in the scale.	https://github.com/d3/d3-scale
range()	range is the outcome of the scale and it needs not to be numeric.	https://github.com/d3/d3-scale
padding()	padding is the margin between elements in the array.	https://github.com/d3/d3-scale
d3.scaleLinear()	d3.scaleLinear() constructs a new continuous scale with the specified domain and range.	https://github.com/d3/d3-scale
.call()	.call() invokes the specified function exactly once, passing in this selection along with any optional arguments.	https://github.com/d3/d3-selection#selection_call
d3.axisLeft()	d3.axisLeft() constructs a new left-oriented axis generator for the given scale.	https://github.com/d3/d3-axis
d3.axisBottom()	d3.axisBottom() constructs a new bottom-oriented axis generator for the given scale.	https://github.com/d3/d3-axis
.ticks()	.ticks() set the number of ticks for axis.	https://github.com/d3/d3-scale
.style()	.style() sets the style property with the specified name to the specified value on the selected elements.	https://github.com/d3/d3-selection#selection_style