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[#](#wiki-tickPadding) axis.**tickPadding**([*padding*])

指定坐标轴刻度和刻度文字之间的像素距离

If *padding* is specified, sets the padding to the specified value in pixels and returns the axis. If *padding* is not specified, returns the current padding which defaults to 3 pixels.

*如果指定填充边距,设置填充边距的指定值将返回对应的axis。如果没有指定填充边距,返回当前默认填充边距（默认为3像素）。*

[#](#wiki-tickFormat) axis.**tickFormat**([*format*])

设置刻度文字的格式。

If *format* is specified, sets the format to the specified function and returns the axis. If *format* is not specified, returns the current format function, which defaults to null. A null format indicates that the scale's default formatter should be used, which is generated by calling [scale.tickFormat](https://github.com/mbostock/d3/wiki/Quantitative-Scales#wiki-linear_tickFormat). In this case, the arguments specified by [ticks](#wiki-ticks) are likewise passed to scale.tickFormat.

See [d3.format](https://github.com/mbostock/d3/wiki/Formatting#wiki-d3_format) for help creating formatters. For example, axis.tickFormat(d3.format(",.0f")) will display integers with comma-grouping for thousands. Defining the formatter first: var commasFormatter = d3.format(",.0f") lets you to call it as a function of your data, for example, to add currency units in front of the comma-grouped integers: .tickFormat(function(d) { return "$" + commasFormatter(d); }).

Note: for log scales, the number of ticks cannot be customized; however, the number of tick labels *can* be customized via [ticks](#wiki-ticks). Likewise, the tick formatter for log scales is typically specified via ticks rather than tickFormat, so as to preserve the default label-hiding behavior.

如果指定格式,格式设置为指定的函数并返回axis。如果没有指定格式,返回当前格式函数,默认为空。空格式表示应该使用默认比例格式,此格式通过调用scale.tickFormat产生。在这种情况下,指定的参数同样传递给scale.tickFormat方法。

查看d3.format创建格式的帮助。例如,axis.tickFormat(d3.format(.0f“))将显示一个整数，三位为一组逗号分隔。 首先定义格式方法:var commasFormatter = d3.format(”,.0f”)允许调用函数的数据,例如,在comma-grouped整数前添加“$”符号:.tickFormat(function(d) { return "$" + commasFormatter(d); })。

注意:对于日志刻度,标记的数值不能自定义;然而,标记的数值标签通过标记可以自定义。同样,标记的格式化方法日志尺度通常是通过ticks而不是tickFormat指定,以保持默认label-hiding行为。