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Katan.Knight().getOptions()

Katan.Settlement(canvas, options)

Description

width of the SVG canvas

height of the SVG canvas

DOM element #id that will become the SVG canvas

Katan.Settlement().getOptions()

Katan.City(canvas, options)

Katan.City().getOptions()

Type

katan-js docs

Katan.getColors() Katan.isKatan() Katan Katan(id, width, height)

Katan.Settlement

Katan.City

Utility Functions

Katan.version

{String} id width {Number} height {Number} var k = new Katan('canvas-id', 300, 400); Katan().getId()

Parameter

Description Returns Returns the *id* of the **Katan** object {String} k.getId(); // "canvas-id" Katan().getCanvas() **Description** Returns

Returns a Raphael.js *Paper* object, which is used as the canvas for creating other **Katan** objects {Object} var c = k.getCanvas(); Documentation for Raphaël can be found at http://raphaeljs.com/reference.html → Back to top Katan.HexTile

Katan.HexTile(canvas, options) **Parameter Type** {Object} canvas {Object} options var hextile = new Katan.HexTile(c, {cx: 90, cy: 52});

Katan.HexTile().getOptions()

Description

Description

A Raphael *Paper* object (see Katan().getCanvas())

Returns an options object containing all the options currently set for the object

: 0, // absolute x-axis transform

: 0, // absolute y-axis transform

// hextile stroke width

: "none", // inner circle stroke color

: 18, // inner circle font size : 400, // inner circle font weight

// inner circle stroke width

: "pointer", // inner circle cursor on hover

// hextile scale array

// hextile rotate array

: "M0,52 L30,0 L90,0 L120,52 L90,104 L30,104z"

A Raphael *Paper* object (see Katan().getCanvas())

Returns an options object containing all the options currently set for the object

// absolute x-axis transform

// absolute y-axis transform

// width of the road

// height of the road

// road stroke width

// road text value

: "pointer", // inner circle cursor on hover

// road scale array

A Raphael *Paper* object (see Katan().getCanvas())

Returns an options object containing all the options currently set for the object

// absolute x-axis transform

// absolute y-axis transform

: "#ECF0F1", // knight fill color; default is clouds

// knight stroke width

// knight text value

// knight font size

: "pointer", // inner circle cursor on hover

// knight scale array

A Raphael *Paper* object (see Katan().getCanvas())

Returns an options object containing all the options currently set for the object

// absolute x-axis transform

// absolute y-axis transform

// settlement stroke width

// settlement font size

// settlement font weight

// settlement scale array

// settlement rotate array

: "M0,8 L8,0 L16,8 L16,21 L0,21z"

A Raphael *Paper* object (see Katan().getCanvas())

[Optional] A configuration object to override default object properties

// absolute x-axis transform // absolute y-axis transform

// settlement stroke width

// settlement text value

// settlement font size

// settlement font weight

// settlement scale array

// settlement rotate array

// boolean for enabling inner circle clickable state

// inner circle stroke color when state is true

// inner circle font size when state is true

// inner circle font weight when state is true

// settlement text value

: "pointer", // inner circle cursor on hover

: "#ECF0F1", // settlement fill color; default is clouds

: "#2C3E50", // settlement stroke color; default is midnightblue

: "#2C3E50", // settlement text color; default is midnightblue

// boolean for enabling inner circle clickable state

: "#9B59B6", // inner circle fill color when state is true; default is amethyst

: "#ECF0F1", // inner circle stroke color when state is true; default is clouds

: "#ECF0F1", // inner circle text color when state is true; default is clouds

// inner circle stroke color when state is true

// inner circle font size when state is true

// inner circle font weight when state is true

[Optional] A configuration object to override default object properties

// knight rotate array

// knight font weight

: "#2C3E50", // knight stroke color; default is midnightblue

: "#2C3E50", // knight text color; default is midnightblue

// boolean for enabling inner circle clickable state

: "#9B59B6", // inner circle fill color when state is true; default is amethyst

: "#ECF0F1", // inner circle stroke color when state is true; default is clouds

: "#ECF0F1", // inner circle text color when state is true; default is clouds

// inner circle stroke color when state is true

// inner circle font size when state is true

// inner circle font weight when state is true

[Optional] A configuration object to override default object properties

// road rotate array

// road font size

: 700, // road font weight

: "#ECF0F1", // road fill color; default is clouds

: "#2C3E50", // road stroke color; default is midnightblue

: "#2C3E50", // road text color; default is midnightblue

// boolean for enabling inner circle clickable state

: "#9B59B6", // inner circle fill color when state is true; default is amethyst

: "#ECF0F1", // inner circle stroke color when state is true; default is clouds

: "#ECF0F1", // inner circle text color when state is true; default is clouds

// inner circle stroke color when state is true

// inner circle font size when state is true

// inner circle font weight when state is true

[Optional] A configuration object to override default object properties

: "none", // hextile stroke color

: 0,

: "",

: 2,

: 18,

: 400,

: [], : [],

Description

: 0,

: 0,

: 28, : 14,

: 2,

: '1',

: 12,

: 12,

: [],

: []

Description

: 0,

: 2,

: '1',

: 12,

: 2,

: 12,

: 700,

: [],

: []

: 700,

: 700,

Type

{Object}

{Object}

Description

: "#2980B9", // hextile fill color; default is belizehole

: false, // boolean for displaying inner circle element : "#ECF0F1", // inner circle fill color; default is clouds

: "#2980B9", // inner circle text color; default is belizehole

// inner circle resource type; valid options

// are: brick, desert, grain, lumber, ore, wool

// inner circle stroke color when state is true

// inner circle font size when state is true

// inner circle font weight when state is true

// boolean for enabling inner circle clickable state

: "#9B59B6", // inner circle fill color when state is true; default is amethyst

: "#ECF0F1", // inner circle stroke color when state is true; default is clouds

: "#ECF0F1", // inner circle text color when state is true; default is clouds

[Optional] A configuration object to override default object properties

var hextile = new Katan.HexTile(c); var options = hextile.getOptions(); The default options are as follows: var defaults = { CXсу fill stroke strokeWidth

innerCircle

textFill fontSize

innerCircleFill

innerCircleStrokeWidth: 0,

innerCircleStroke

Returns

{Object}

fontWeight resourceIcon state stateCursor stateFill stateStroke stateStrokeWidth stateTextFill stateFontSize stateFontWeight scale rotate // only override this if you know what you're doing!

// this takes a Raphael Paper.path() string // http://raphaeljs.com/reference.html#Paper.path coords }; → Back to top Katan.Road Katan.Road(canvas, options) **Parameter** canvas options var road = new Katan.Road(c, { cx: 45, cy: 35, state: true, rotate: [300]

}); Katan.Road().getOptions() Returns {Object} The default options are as follows: var defaults = {

CX

су

fill

text

state

scale

rotate

cx: 33, cy: 65, text: '1'

});

Returns

{Object}

textFill

fontSize

fontWeight

stateCursor stateFill

stateStroke

stateTextFill stateFontSize

stateStrokeWidth

stateFontWeight

Type

{Object}

{Object}

Katan.Knight().getOptions()

Description

The default options are as follows:

var defaults = {

stroke

text

state

scale

};

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Parameter

canvas

options

});

Returns

{Object}

cx: 114, cy: 90, text: '3'

rotate

textFill fontSize

fontWeight

stateCursor

stateStroke

stateTextFill stateFontSize

stateStrokeWidth

stateFontWeight

Katan.Settlement

Type

{Object}

{Object}

var settlement = new Katan.Settlement(c, {

Katan.Settlement().getOptions()

: 0,

: 2,

: 12,

: 700,

: false,

: 12,

: [], : [],

// only override this if you know what you're doing!

Description

// http://raphaeljs.com/reference.html#Paper.path

// this takes a Raphael Paper.path() string

: 700,

Description

The default options are as follows:

var defaults = {

stroke

text

state

scale

rotate

coords

Katan.City

Katan.City(canvas, options)

Type

{Object}

{Object}

var c1 = new Katan.City(c, {

Katan.City().getOptions()

Description

};

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Parameter

canvas

options

});

Returns

cx: 15, cy: 141, text: '7'

textFill fontSize

fontWeight

stateCursor

stateStroke

stateTextFill stateFontSize

stateStrokeWidth

stateFontWeight

stateFill

strokeWidth

CX

су fill

Katan.Settlement(canvas, options)

Description

stateFill

strokeWidth

CX

су fill

stroke

strokeWidth

}; → Back to top Katan.Knight Katan.Knight(canvas, options) **Parameter** canvas options var knight = new Katan.Knight(c, {

Returns an options object containing all the options currently set for the object {Object} The default options are as follows: var defaults = { : 0, : 0, су fill : "#ECF0F1", // settlement fill color; default is clouds : "#2C3E50", // settlement stroke color; default is midnightblue stroke strokeWidth : 2, : '', text : "#2C3E50", // settlement text color; default is midnightblue textFill fontSize : 12, fontWeight : 700, state : "pointer", // inner circle cursor on hover stateCursor : "#9B59B6", // inner circle fill color when state is true; default is amethyst stateFill stateStroke : "#ECF0F1", // inner circle stroke color when state is true; default is clouds stateStrokeWidth stateTextFill : "#ECF0F1", // inner circle text color when state is true; default is clouds stateFontSize : 12, stateFontWeight : 700, scale : [], : [], rotate **Description Description** Returns an object with all the default color key: value pairs in the format name: #hexcode var colors = Katan.getColors(); colors.amethyst;

// only override this if you know what you're doing! // this takes a Raphael Paper.path() string // http://raphaeljs.com/reference.html#Paper.path : "M0,8 L8,8 L16,0 L24,8 L24,21 L0,21z" _coords }; → Back to top **Utility Functions** Katan.version Returns Returns the current version of the **katan-js** library {String}

#E67E22 carrot pumpkin #D35400 #E74C3C alizarin #C0392B pomegranate #ECF0F1 clouds silver #BDC3C7

asbestos #7F8C8D **Parameter Type** {Object} obj

Description

Returns true if the object is a **Katan** object or instance

Returns {Bool} Katan.isKatan(k); // true → Back to top

#95A5A6 concrete Colors are taken from FlatUI and color swatches can be viewed using the webapp at http://flatuicolors.com/

Katan.isKatan(obj)

peterriver #3498DB belizehole #2980B9 #9B59B6 amethyst wisteria #8E44AD #34495E wetasphalt

katan.version; // "1.0.0" Katan.getColors() Returns {Object}

// "#9B59B6"

Color.Key

turquoise

greensea

emerland

nephritis

midnightblue

sunflower

orange

Hexcode

#1ABC9C

#16A085

#2ECC71

#27AE60

#2C3E50

#F1C40F

#F39C12

Preview