**Exercise: Testing performance with a browser profiler**

The goal this exercise is to take a minimal visualization, and measure the performance of rendering to SVG with many elements versus a single path element.

Take a look at the following simple visualization:

<http://codepen.io/andyreagan/pen/Rojrwe>

Many points are plotted on the SVG, resulting in almost 3,000 elements being added.

1. Measure the performance using the timeline tool (in Firefox or Chrome)
2. Finish the renderPath() function to use a path element rather than many circle elements.
3. Measure the speed of the new render function.

To use a path, see the d3-shape documentation here: <https://github.com/d3/d3-shape> (also, the slides).

Submit the speed of the old function and your new function.