Interactive Data Visualization in D3 – Saturday, August 17

This workshop introduces D3, a powerful tool for creating interactive data visualizations on the web. This workshop is geared toward people in the industry and academia who want to better communicate their projects and research through visualizations on the web. Attendees will be introduced to the basics of web design. They will learn how to input CSV data on D3 and use it to create simple interactions with graphical elements on the screen. At the end, they will be familiar with some of the standard D3 libraries. These tools will be the basis for more complex visualizations, like those that appear on d3js.org.

This workshop will cover the basics of D3: inputting data, creating scales and axes, and adding transitions and interactivity, as well as some of the most used libraries: stack, cluster and force layouts. We will make use of HTML, CSS and JavaScript, which will be introduced at the beginning. A basic programming background in a language like Python, JavaScript, C++ or R is highly recommended.

About the Instructor: Sergio Camelo Gomez is a 3rd Year PhD Student at Stanford ICME, where he works on creating technological tools for the sustainable sourcing of food in emerging markets, leveraging on optimization and machine learning. At Stanford, he teaches ICME's Data Visualization class (CME151A). Sergio also spends his summers working with the Data Science team at Airbnb or the Locations and Place Data teams at Facebook NY. Originally from Colombia, Sergio graduated with a Bachelor's and Master's in Mathematics from Universidad de los Andes, and worked for two years as a Data Scientist in Quantil Matematicas Aplicadas. To learn more about Sergio, visit his webpage: http://web.stanford.edu/~camelo/