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Flow Vis
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For the Get Wet assignment, I wanted to start somewhere small and simple as means to not overcomplicate it. I had done some research on simple example of visualizations and came across water droplets. I had originally thought about how raindrops sticks to glass and are reflective of surface tension. I had started experimenting with placing water droplets on various glass and even went to a car wash and attempted to take pictures of droplets from the inside of my car.

This particular image was chosen based on simplicity and achievability. I was able to take a quarter and place a couple droplets with a straw until the droplets formed a large enough droplet that covered the surface of the quarter. It turns out that this phenomenon occurs due to cohesive¹ forces in liquid molecules. The molecules have a tendency to want to stick to each other and take up the smallest amount of surface area. Thus, if kept undisturbed the droplet should maintain its form.



For this image, natural lighting flowing in from a window was used. I was fascinated with the idea of focusing on a smaller field of view. The original photograph was taken from ~1' away, with an iPhone 6S camera, ISO 25, f 2.2, and exposure of 1/30s. For editing, I cropped the image to get rid of any distractions from the background. I changed the color to make the image in black and white. I felt this change made the contrast between the droplet and background clearer. I zoomed in to focus on the detail of the droplet reflection and the distinction between the quarter and droplet.

I like the edits to image as it kept it within a minimalist aesthetic. I don't think I would change much about the image itself, but I would like to try to work on a more complex visualization to try and capture. Perhaps surface tension in more natural settings.

¹Perlman, USGS Howard. "Adhesion and Cohesion of Water." *Adhesion and Cohesion Water Properties, USGS Water Science School*. N.p., n.d. Web. 16 Dec. 2016.