Summary on [The Visual Uncertainty Experience. Jessica Hullman. OpenVis Conf 2016.](https://www.youtube.com/watch?v=pTVAn4oLvbc)

Jessica Hullman's talk on Uncertainty Experience is quite intriguing. She defines uncertainty as the possibility that a quantity can have several values. The objective of uncertainty visualization is to demonstrate what those values are. She explains that most visualizations do not convey uncertainty, therefore designers understand that uncertainty is complicated. We all know that data may have imperfect samples, but we frequently ignore the uncertainty because we don't know what to do with it. She mentions today's approaches to uncertainty visualization are static aggregate distribution plots and sample-based experience-able charts ( occasionally  happening type and focus on one sample at a time).

She gave several examples of how we might demonstrate uncertainty or show someone how variance looks. She mentions the New York Times as an example of data for job growth rate that was particularly sensitive to variation. It also had varying headline to yearly job growth rates local fluctuation, which was also illustrated by graph. The random fluctuation of the data by months was provided for viewers to make alternative predictions of the likely outcome due to the random variation. She also used a state election as an example of natural association of randomness, similar to a flip coin.