THE TEN COMMANDMENTS OF DATA VISUALIZATION

01	Thou shalt identify thy message and tell a clear story. Every figure should have a clear message; tighten the bond between your message and visual.	06	Thou shalt not mislead the reader. Represent your data accurately; pay attention to proportions, axis scaling, and truncation.
02	Know thy audience. Visual should be designed with the audience in mind. Is your figure for specialists or the general public?	07	Thou shalt not abuse colours. Limit your palette - each colour should have a purpose. Remain consistent for all charts in a series.
03	Thou shalt consider thy medium. Where will your visualization be used? How large will it be, and how will the audience interact with it?	08	Thou shalt use chart types that best fit thy message. Choose the type of plot that emphasizes your desired message in the data.
04	Thou shalt keep it simple. Focus on the patterns in your data. Reduce complexity by focusing on what is relevant.	09	Thou shalt avoid 3D plots in static media.* 3D plots are unjustified for data with only two axes - use in interactive media only. *Exception for brain images.
05	Thou shalt reduce chart junk. All graphic elements should have meaning or improve communication.	10	Thou shalt not trust default formatting. Most plots require some customization (e.g. colours,



markers). Defaults are okay for any plot, best for none.