

1. Expression varies across tissues at the sample level

NOTE: The charts below are just samples, which don't reflect the real data.

Idea 1: The x-axis of the dot plot shows the different tissues and the y-axis shows the data values. In order to see the sample-level variation in the provided dataset, points are added, each representing a sample. The median for each tissue is shown as a vertical line in each column.

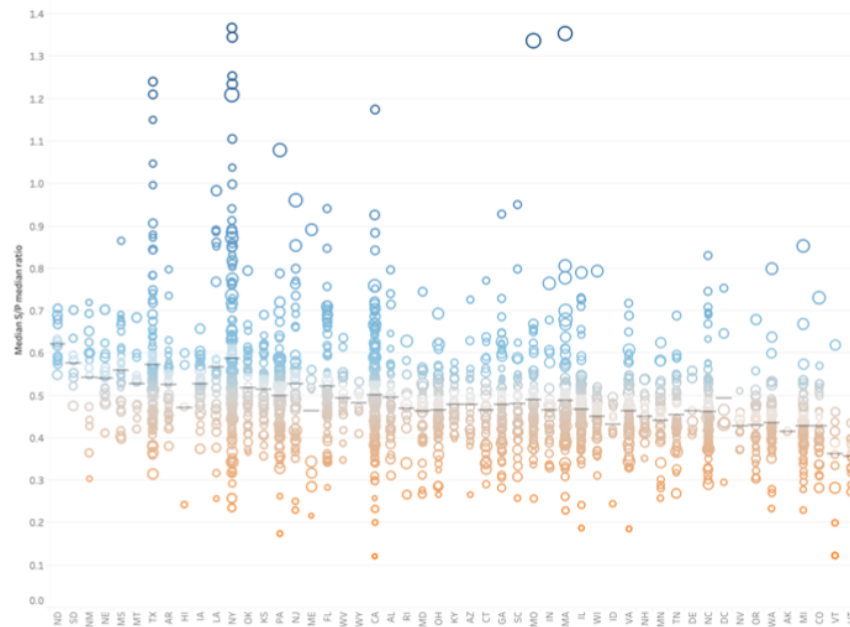


Fig.1- a: proposal of chart

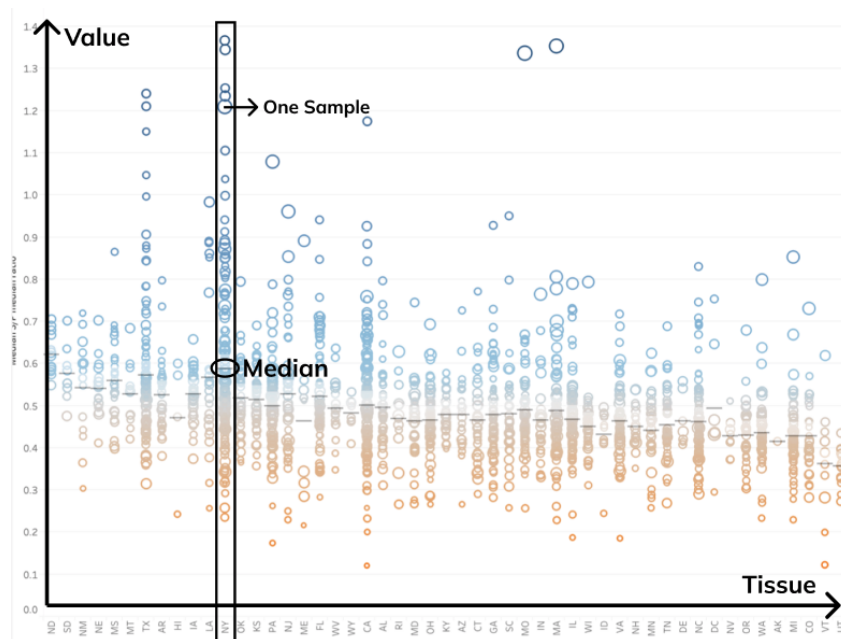


Fig.1- b: explanation of the proposed chart

Idea 2: The chart below shows an alternative view of the previous chart, which focuses on the trend of each tissue.

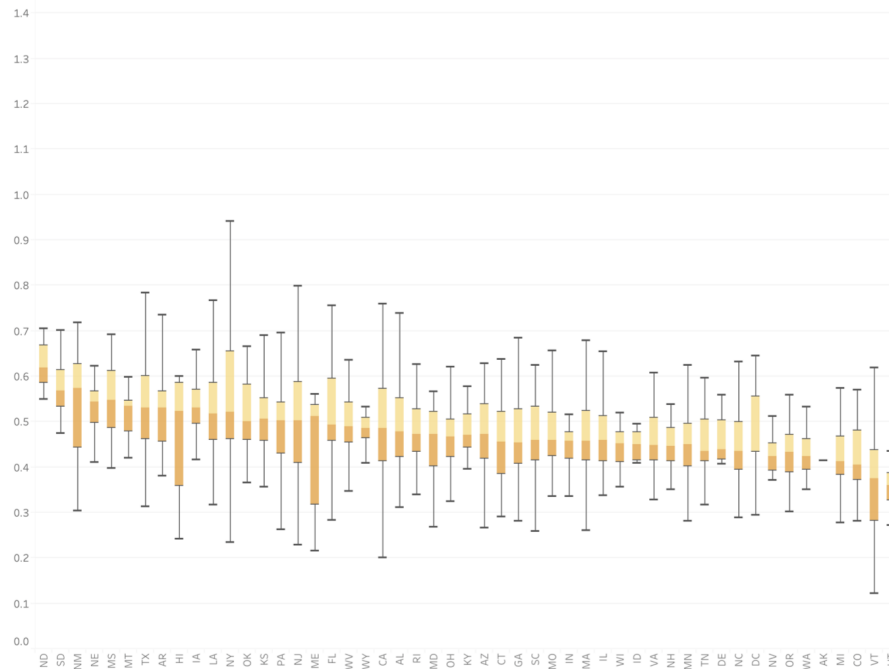


Fig.2: an alternative view of the proposed chart

2. Expression levels vary in different samples

Given that the sample sizes for each demographic group can vary greatly (i.e., 300 male samples versus 100 female samples), I will use the box plots shown in Figure 2. The comparison represented by the chart will focus on the trend rather than each individual sample.