Data Dimensionality

Number of variables in your data  
 Don’t have to correspond to physical and temporal dimensions   
 Axes in ‘variable speace’ or ‘parameter space’

1D: boxplots, histograms  
2D: conditional boxplots, scatterplots  
3D: coplots, 3D plots, ‘slices’  
4D: difficult or impossible  
 Multiple 3D ‘panels’  
5D: 5D and higher is generally impossible with single plots

Histograms do not show individual data points, but instead summaries