

## A

- **Title.** The figure title should tell a succinct result and lead the reader to the figure's conclusion (when possible).
- **Visually clear:** Remove all "*chartjunk*": unnecessary or confusing visual elements found in a figure that do not improve the message (in the best case) or add confusion (in the worst case). For example, chartjunk may include the use of too many colors, too many labels, gratuitously colored backgrounds, useless grid lines, etc.
- **Text style.** Figure and caption should be the same font as the main text. The font should be Helvetica or Arial.
- **Axis labels.** Always include axis labels.
- **Abbreviations.** All abbreviations defined in the caption.
- **Symbols/colors.** All symbols or colors defined - consistent throughout paper when possible
- **Dataset:** Specify data set used if not clear.
- **Sample size** ( $N = X$ ). Some places require  $n$  to be lowercase for sample (rather than population) sizes
- **Raw data points.** Show whenever possible (especially if  $n < 10$ )
  - For scatter plots, point to one dot and have a small description (e.g., "one neuron")
- **Confidence intervals or SE bars.** Clearly labeled, for example: "Data are presented as mean values  $\pm$  SEM"
  - If using box plots, tell how they were made ("Boxes represent the IQR and outliers are more extreme than  $1.5 \times \text{IQR}$ .")
- **Statistical significance** ( $P = X$  or  $q = X$ ). Include details about the test used, one-sided vs two-sided (maybe degrees of freedom too)
- **Tables.** Avoid tables or do not overuse

## B

- Generally, a single column width measures 85-88 mm and a double column width measures 170-180 mm.
- Max height around 225mm (but that is with caption) (A pdf page is 210 x 276 mm)
- Font size should be 5-14pt
  - Axis labels 8-9pt
  - Axis numbering 7-8pt
  - Subpanel labels = 13pt bold
- Axis lines should be 0.75 pt (ungroup anything that looks weird)
- Axis ticks should be 1mm (short ticks 0.85, long ticks 1.35) (1.1, 0.6)
- All lines should be wider than 0.25pt (should probably be 0.5+)
- If things are weird, embed font
- Check spelling
- Remove masked layers (change to clip)