



- Do not use bar graphs (Fig. 2d, Extended Data Fig. 2, 5, 10)
- Choose box and violin plots that show data distribution
- Use bar graphs correctly (Fig. 2e-g, Extended Data Fig. 1, 3, 4)
- Show raw data
- Build warnings in software to prevent incorrect axes
- Provide data science warning and guidance in documentations
- Improve data science training in publication cycle at all levels
- Establish journal data visualization checklist
- Improve data science education and literacy for audience at all levels

