Early intervention → Late intervention

Education | Continued training

| K-12 | Undergraduate | Graduate/Postdoc (First author) | PI (Corresponding author) | Reviewers | Editors (Text and art) | Audience |

Publication cycle

Hierarchy of Controls

Data visualization standard | Data science education

| Elimination | Substitution | Engineering control | Administrative control | PPE | Correct data interpretation |

- Do not use bar graphs
- Choose box and violin plots that show data distribution

- Use bar graphs correctly
- 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