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Try Something New - SoTL Session 2

Questions to ask yourself about how effective your visualization is in facilitating your students' learning

- Are the learning goals for the visualizations related to important concepts?
- Will the use of the visualization lead to desired learning outcomes?
 - Have you clearly communicated the learning goals associated with the visualization to your students?
 - Are the learning goals aligned with how you or the students use the visualization?
 - How will you determine if the learning outcomes have been met?
- Are the concepts presented accurately?
 - Are there any potentially confusing or misleading components in the visualization?
 - Could any aspects of the visualization lead to misconceptions?
 - Is there missing information or extraneous information?
- Does your pedagogical approach scaffold learning? Do you need to scaffold visual literacy together with conceptual understanding?
 - Do you provide iterative opportunities for engaging with the visualization to promote understanding?
- Does your visualization assume prior knowledge that may preclude some learners? Is it inclusive?

Additional Tips (from Barbara Tversky's research)

- Map the structure & content of the information to be conveyed on the structure & content of the diagram
- Use extra-pictorial devices like arrows and guidelines unambiguously
- Craft diagram to explain, not just show
- Check if students learn what is intended and don't learn misconceptions