

Topic	Situations with the Most Room for Improvement	Situations with Room for Improvement	Situations that are the Most Beneficial and Works to Center and Bring People in
Community Involvement	<ul style="list-style-type: none"> • Research is done on communities without input or with limited input from the community • Research dollars are not directed to the community • Researchers are outsiders to the community 	<ul style="list-style-type: none"> • Coproduction of knowledge between researchers and the community • Research dollars are distributed to work with the community • Researchers include community members • Addresses generational and long-scale impacts 	<ul style="list-style-type: none"> • Marginalized communities are leading research initiatives • Research dollars go directly toward marginalized groups • Community members are PIs on research projects • Research involves children and younger generations in the development and execution of projects
Education	<ul style="list-style-type: none"> • Eurocentric education practices • Value is placed on credentialed programming only • Programs limited to R1 institutions and primarily white institutions • High cost of tuition is inaccessible • Materials are often presented in English only 	<ul style="list-style-type: none"> • Education emphasizes different cultures and values • Improved access to higher education • Programs available to public, community, and tribal institutions. • Inclusion of bilingual materials 	<ul style="list-style-type: none"> • Curriculum material is culturally informed and relevant • Recognition of the impact of non-credentialed programs • Improving access to credentialed/ advanced degree programs • Education programs span the spectrum of education (K-12 through post-graduate programs) to promote generational learning • Provides education outside of academic institutions • Traditional ecological knowledge incorporated into education • Materials are created and translated into multiple languages used by the community
Benefits & Harms	<ul style="list-style-type: none"> • Using tools or data that misrepresent a community • Science is done on others without consent • Perpetuating violence, harm, and erasure of marginalized groups • Communities and people are an afterthought in projects • Values are centered on Western ideals • Does not acknowledge the communities where research comes from 	<ul style="list-style-type: none"> • Science is done with the consent of the community but without input in the design • Research provides knowledge for the community • Prioritizes and centers most privileged communities or most represented communities • Land acknowledgments recognize the legacy of colonization 	<ul style="list-style-type: none"> • Working on science in tandem with communities to benefit communities • Giving agency to marginalized communities to define and access research • Centers people and communities in projects • Values are centered on communities ideals • Land back, or land acknowledgments address the continued harm and benefit to the institution
Computation & Technology	<ul style="list-style-type: none"> • Requiring subscriptions or software • Limited training options • Limited computational and internet access 	<ul style="list-style-type: none"> • Using low-cost and accessible tools • Providing access to computers or mobile devices • Use of universal design in materials 	<ul style="list-style-type: none"> • Resources developed for individuals without internet access in mind • Open-source materials are used or generated • Computational resources are readily accessible
Data Availability (including journals and tools)	<ul style="list-style-type: none"> • Data is only available through private access or behind a paywall • Communities and individuals are unable to control data or access to data • Requires specialized software, tools, knowledge of where to access data • Data collected without consent of community or individuals 	<ul style="list-style-type: none"> • Data available via request rather than open online access • Data and tools are published for sharing for further research and collaborations • Data is collected with community knowledge and consent 	<ul style="list-style-type: none"> • Promotes ethical use of data • Acknowledges and supports data sovereignty • Broad education on how to access tools, resources, and data • Data collected with respect to cultural values and practices • Improves the ease of accessing public data <ul style="list-style-type: none"> • Data is made open upon the wishes and needs of the community
Diversity & Justice	<ul style="list-style-type: none"> • Homogenous racial or cultural research teams • Research perpetuates harm to marginalized groups or maintains the status quo • Funding is focused on short-term impacts • Projects ends when funding ends 	<ul style="list-style-type: none"> • Researchers work with students from diverse backgrounds • Improved representation of marginalized groups in research spaces 	<ul style="list-style-type: none"> • Diverse teams with agency • Research enacts meaningful social change • Funding and research acknowledge the importance of long-term impacts • Project implementation continues after funding ends