STATISTICS IMPROVE REVEGETATION DECISION-MAKING

STATISTICAL SIGNIFICANCE

Statistics play a vital role in evidence-based policymaking as they provide us with clear, objective, numerical data on essential aspects of our surrounding environment, including the degradation of local ecosystems, plant and animal populations, and revegetation after a wildfire. Statistics also provide projections for future activities and analytical insights which can also help generate management hypotheses and intervention scenarios that can further improve the effective management of disturbed areas.

WHY DO WE NEED TO VALUE SAGEBRUSH?

Big sagebrush is exceptionally beneficial to plant ecosystems. Various species of fauna and herds of rangeland animals, which have long served as the foundation of western communities, are fed by these plants. Many researchers agreed that it serves as the lifeblood of rural communities and Tribal lands in the West.

This is the same area of sagebrush ecosystem over time before and after fire Images by Kenneth Fulgham of HSU

To learn more about Sagebrush ,please check out fws.gov/program/sagebrush

The Salt Lake Tribune

U.S. judge blocks Nevada grazing; sage grouse totals dwindling

Idaho news 6

Boise State researchers emphasize the importance of sagebrush on Idaho's ecosystem

Herald and News
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Biden administration approves $9M for sagebrush projects across West

The availability of satellite data is expanding exponentially, which can be used effectively for revegetation. Therefore, land managers and stakeholders must be prepared to gather, analyze, and utilize statistics relevant to their success.

REVEGETATION AND STATISTICS:

Statistics based decisions are generally more reliable because it depends on clearer reasoning and makes space for evidence. While, evidence-free revegetation decision-making may invite a higher risk of error, reinforcing the importance of statistics. Time series analysis was a practical tool in this study for defining and analyzing post-fire plant recovery following wildfire extents.