Kanab High School

Team 1:

***Hypothesis:*** Sage-Grouse live in a habitat with at least 75% grass and forbes.

We refuted our hypothesis, there was less than 75% grass and forbes in the area that sage-grouse signs were found. The average percent of grass and forbes was 35.25%.

***What other data would help you support your hypothesis with more confidence?:*** If we tested the percent of grass and forbs during each season.

***Now that you have collected some data on sage-grouse habitat characteristics, what other questions do you want to know the answer to:*** Does the percentage if grass and forbes differ for the seasons? Where could we actually see a sage-grouse? Do sage-grouse prefer taller or short sagebrush? Where did they get their water from in the summer?

Dr. Frey’s Response: Now that you have the error bars, you can see that some of the error bars overlap from column to column. Error bars that don’t overlap indicate that there probably is a statistically significant different between the types. Does that change your ability to support or refute your hypothesis?

Team 3:

***Question***: Do sage grouse always pick the same habitat types?

***Hypothesis***: No, sage grouse locations will have differing habitat

We supported our hypothesis

***What other data would help you support your hypothesis with more confidence?***

***Now that you have collected some data on sage-grouse habitat characteristics, what other questions do you want to know the answer to***:

Team 4:

***Question***: How high are the shrubs in sage-grouse habitat?

***Hypothesis***: Sage grouse choose shrubs that are taller than one meter.

We refuted our hypothesis, shrubs were under a meter.

***What other data would help you support your hypothesis with more confidence?:*** Take more measurements in the shrubs; look at locations throughout the year, not just one season.

***Now that you have collected some data on sage-grouse habitat characteristics, what other questions do you want to know the answer to***: Why do sage-grouse in Alton prefer the shorter sagebrush?

Team 5:

***Hypothesis:*** Yes they do. We saw other birds and Horned Toads, also Deer and Cows.

Does your data support your hypothesis?

 Yes, we saw other species.

***What other data would help you support your hypothesis with more confidence?***

We actually saw Deer. And horned Toads as well as other birds.

Where are they?