Modeling 3.5/5

Interpretation of data and results 3.5/5

Visuals 4/5

R code 5/5

Total 16/20

Some things that worked well:

* Good use of visualizations to display raw data and model fits as well as check assumptions
* Effective discussion of some of the issues that could be leading to skew in the data
* Informative commenting throughout R code

Some things to work on:

* Rephrase some ideas in introductory explanation to clarify logic behind the test, especially the differing expectations for r and k under different scenarios.
* Provide captions for each figure so that it is clear what data is being displayed and why
* Interpret results in your own words, rather than by displaying anova tables. Discuss effect sizes, either from a summary() or emmeans() output, then interpret these in the context of the experiment.
* If some of these datapoints were from the same replicate, this represents pseudoreplication. Redo the model with a random effect to account for this.
* The main question here might be about an interaction because the effect of metals might depend on the mutations present. If so, consider adding that to the model.
* There is a hypothesis being tested with the ANOVA here. Clarify what the null and alternative hypotheses are.