Geoscientific
Model Development
Discussions

Interactive comment on "Using SHAP to interpret XGBoost predictions of grassland degradation in Xilingol, China" *by* Batunacun et al.

Anonymous Referee #2

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Dear authors

Thank you for your interesting submission. This paper presents an interesting suite of tools for investigating an important topic of research. I have only some minor comments to make before publication:

As with any ML interpretation, one wonders how more generally useful this is to other regions. Have you considered whether testing against historical datasets is worthwhile? In other words, have you tried to apply this method to re-analyse previously studied grassland degradation? If not, are there similar areas of focus this might work on?

Please can you comment on the compute hardware required for training?

Please include a Zenodo, or other archive, snapshot of the data used in this study.

Thanks!

Interactive comment on Geosci. Model Dev. Discuss., https://doi.org/10.5194/gmd-2020-59, 2020.