

Arizona Random Forest Flood Mapping

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Abstract

Federal Emergency Management Administration 100-year flood risk maps are expanded across the state of Arizona using a random forest, machine learning classification utilizing eight topographic explanatory variables.

Plain Language Summary

Flood mapping across Arizona.

1 Introduction

Tehrany et al. (2019)

2 Data & Methods

3 Conclusion

References

Tehrany, M. S., Jones, S., & Shabani, F. (2019). Identifying the essential flood conditioning factors for flood prone area mapping using machine learning techniques. *CATENA*, 175, 174–192. <https://doi.org/10.1016/j.catena.2018.12.011>