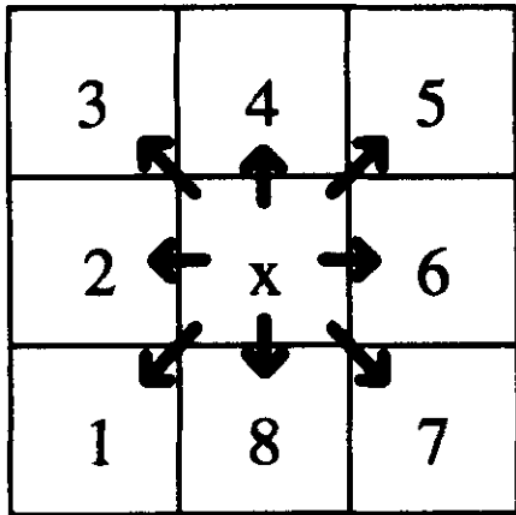


Flow Metrics

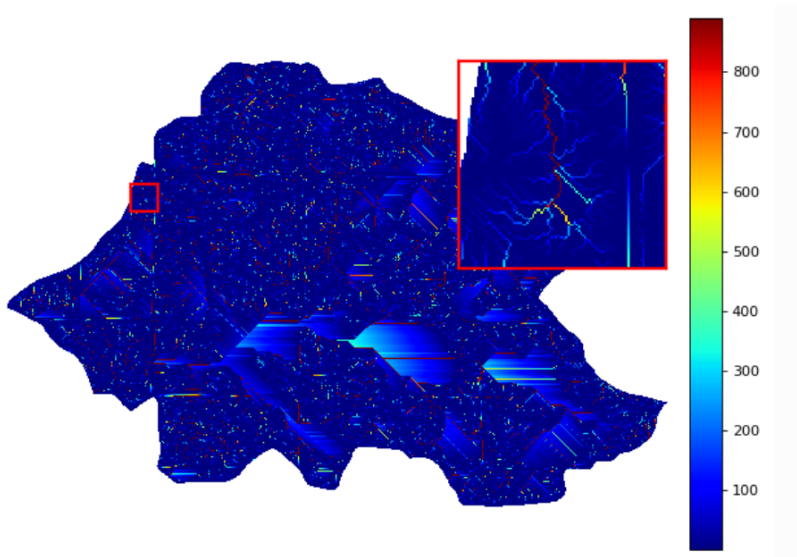
GeoComput & ML

2021-05-18 Tue

Flow Grids

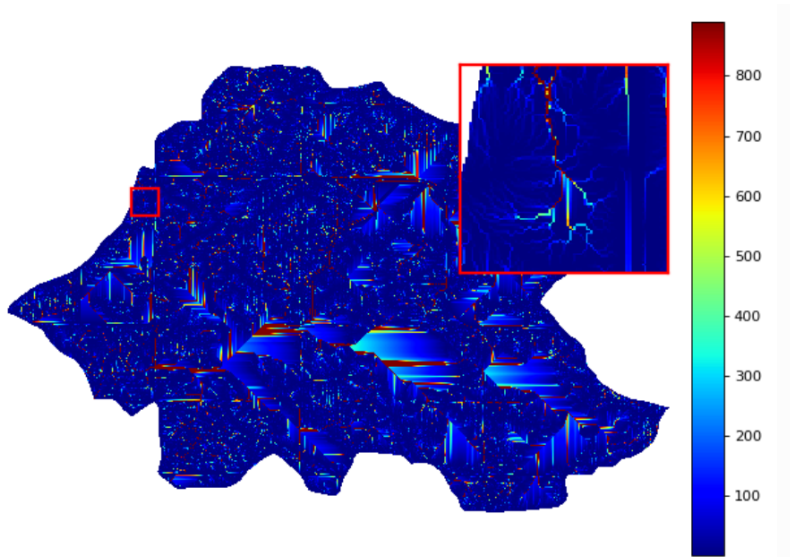





D8 : Single directional flow



$$f_i = \frac{(\tan \beta_i)^x}{\sum_{j=1}^8 (\tan \beta_j)^x}$$

where f_i is the flow proportion, β is the slope gradient and x is a weighing factor.



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-  Holmgren, P., Multiple flow direction algorithms for runoff modelling in grid based elevation models: an empirical evaluation. *Hydrological processes* (1994) 8, 327–334.
-  https://richdem.com/flow_metrics.html