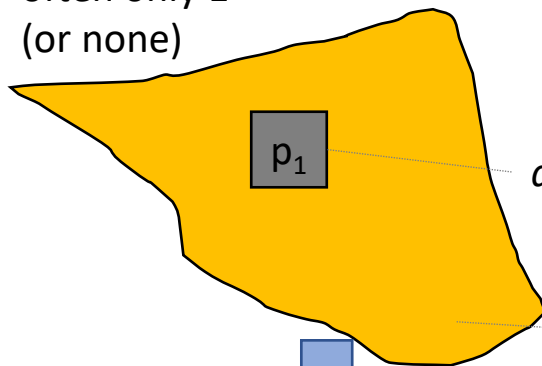


Workflow

(1) Number of data points per danger region?

(a)

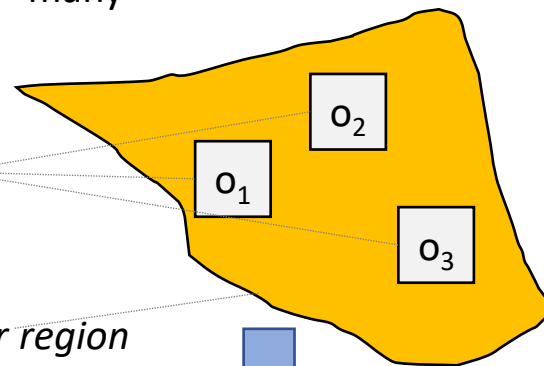
often only 1
(or none)



data points

(b)

many



danger region

(2) Calculate metric per danger region

- natural avalanches $\rho_{\text{nat},i}$, *AAI*
- human-triggered avalanches $\rho_{\text{hum},i}$
- danger-level model* D_{model}
- instability model* P_{unstab}

(3) Aggregate data points for each D or D_{sub}

(4) Test subsets of data to answer RQ1

(5) Resample, calculate median and confidence interval for each D or D_{sub}

- Danger signs $\tilde{P}_{\text{DS.class}}$
- Rutschblock test $\tilde{P}_{\text{RB.class}}$
- Extended Column Test $\tilde{P}_{\text{ECT.class}}$
- acc.-move. points* $\tilde{R}_{\text{acc/move}}$

- natural avalanches $\tilde{\rho}_{\text{nat},i}$ \tilde{AAI}
- human-triggered avalanches $\tilde{\rho}_{\text{hum},i}$
- danger-level model* \tilde{D}_{model}
- instability model* $\tilde{P}_{\text{unstab}}$

* plus core-zone specific statistic

(6) Compare subsets of data to answer RQ2