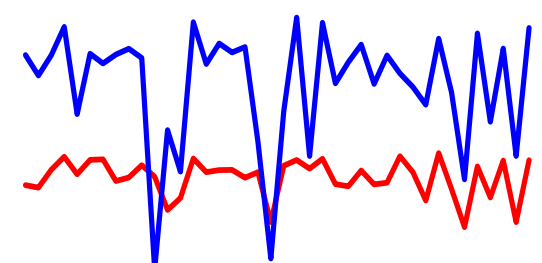
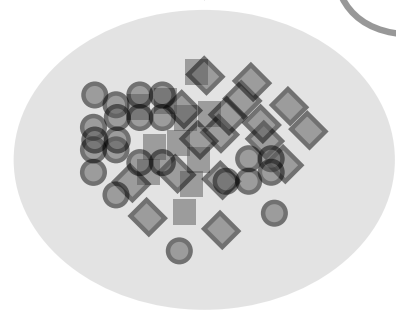


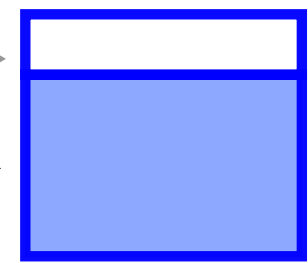
Modeling chain



Input (precipitation, temperature, ...)

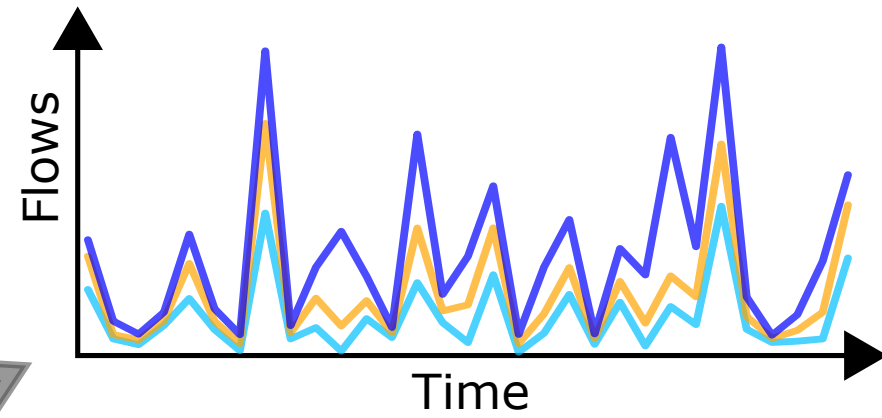


Model parameter sets

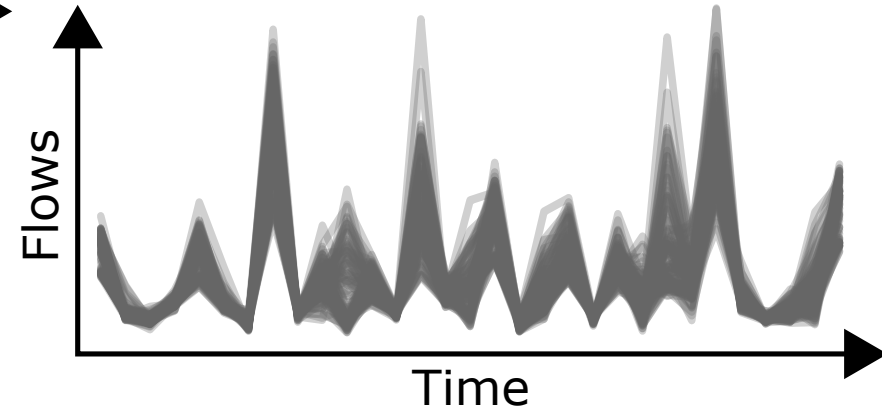


Hydrological model (bucket-type)

Simulation of extreme floods with pre-selected parameter sets



Ensemble of extreme floods with all parameter sets



Simulation using:

- all parameter sets of the hydrological model
- representative parameter sets

Representative ensemble intervals:

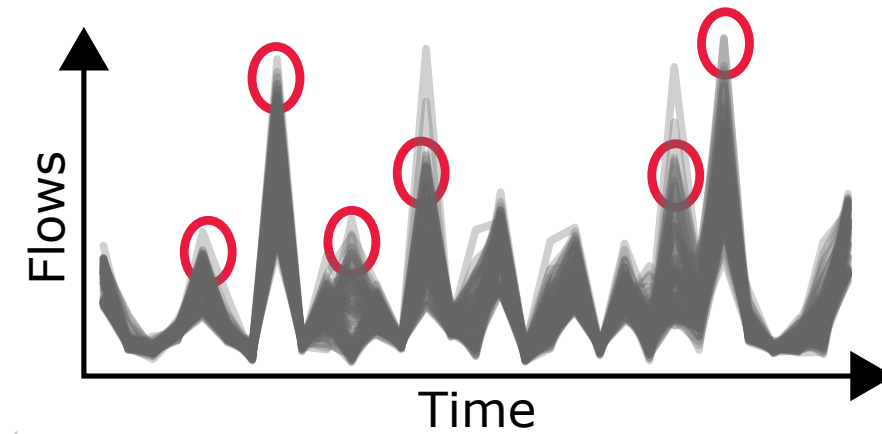
- Supremum
- Median
- Infimum

Representative parameter sets:

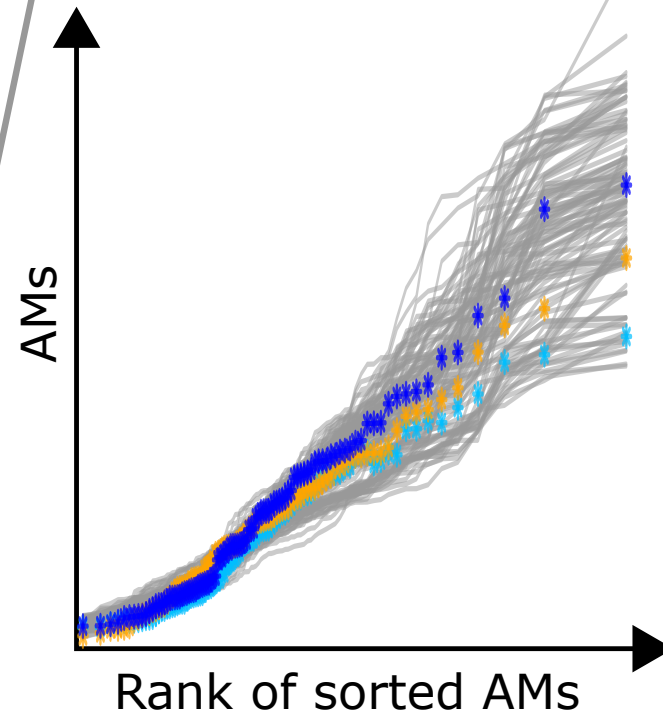
- Supremum
- Median
- Infimum

Selection of representative parameter sets

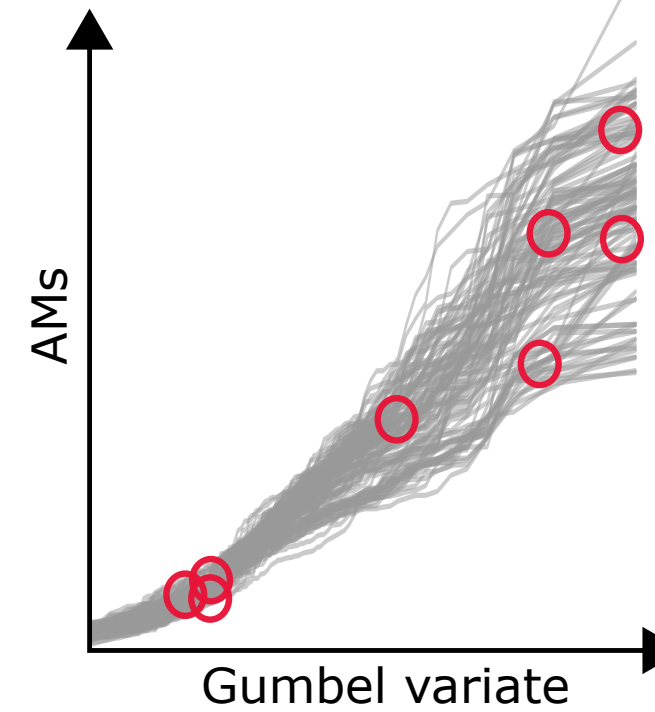
Selection of annual maxima (AMs)



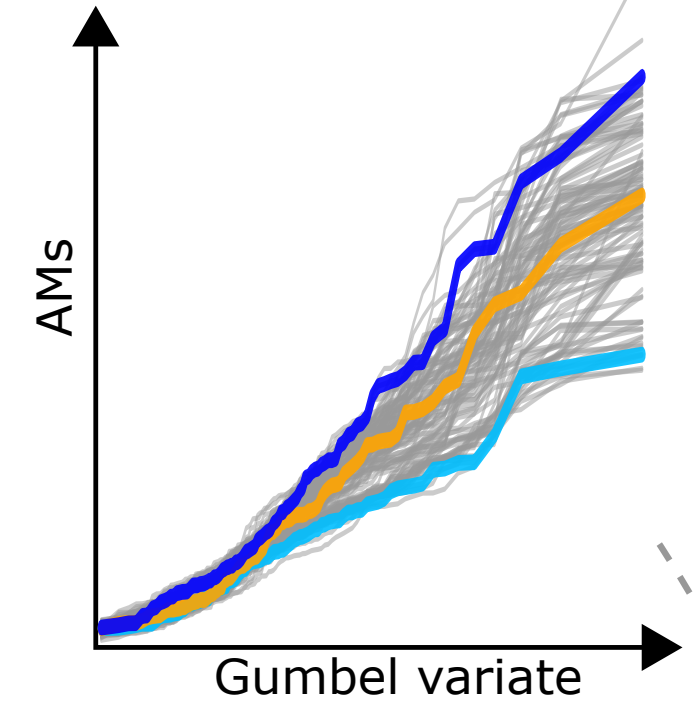
A) Ranking



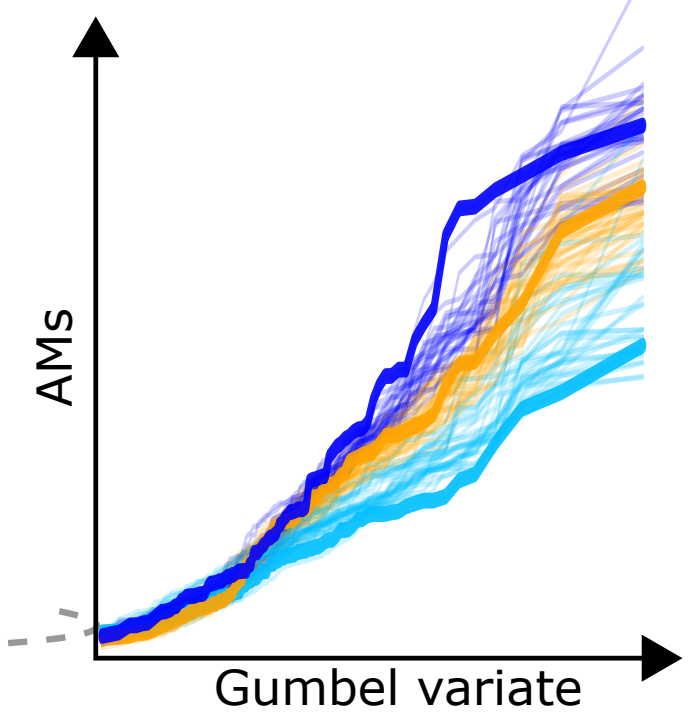
B) Quantiling / C) Clustering



B) Quantiling



C) Clustering



Representative parameter sets

