

Attributes of Streamflow Ensembles in Colorado River Basin

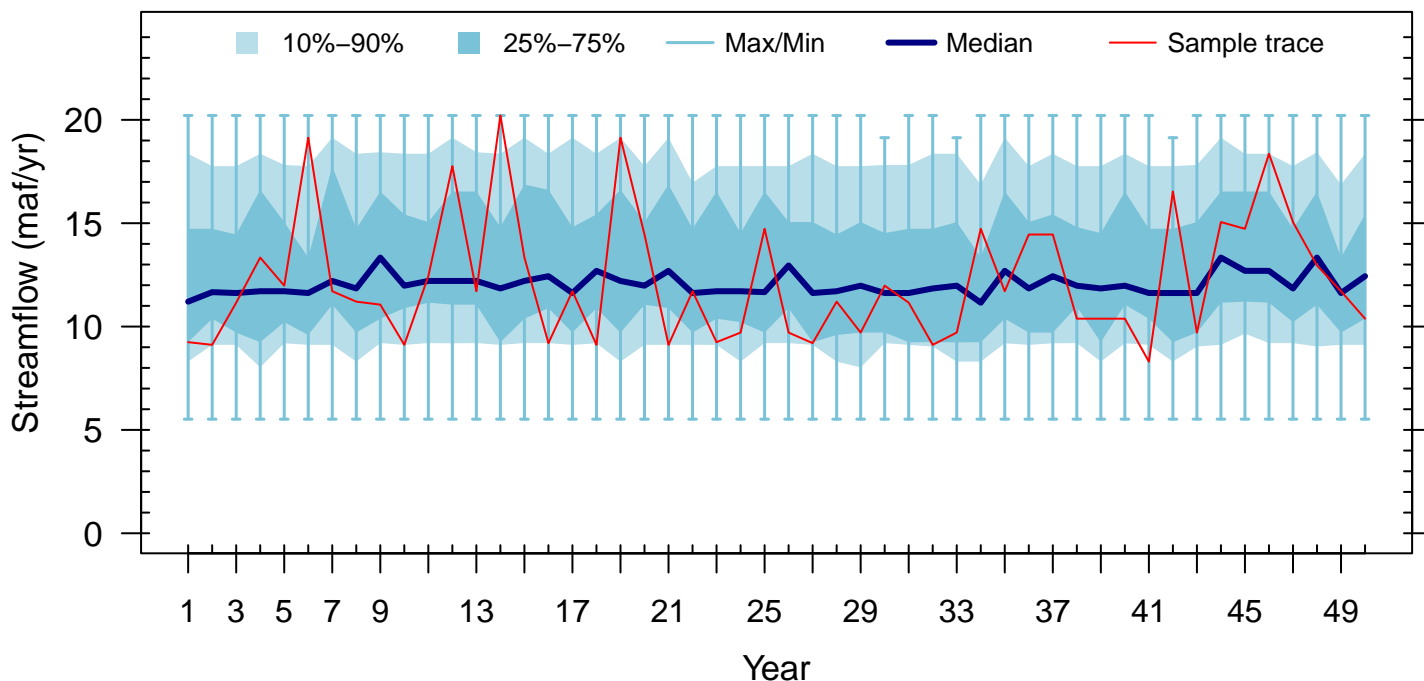
Ensemble: DroughtYrRes_1953_1977

Number of Realizations: 100

Planning Period: Next 50 Years

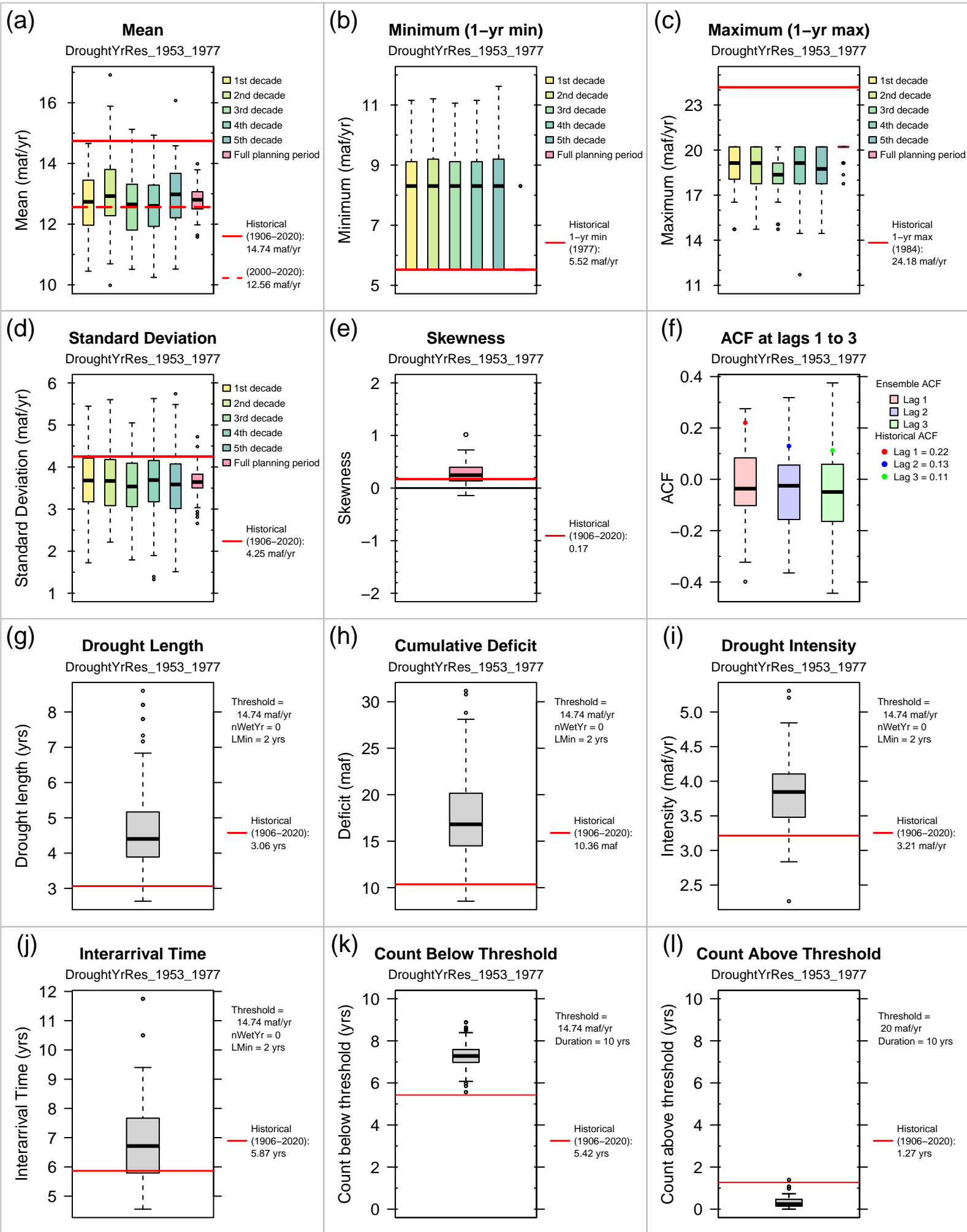
Simulated Annual Natural Flow for the Colorado River at Lees Ferry, Arizona

Ensemble: DroughtYrRes_1953_1977, Number of Realizations: 100



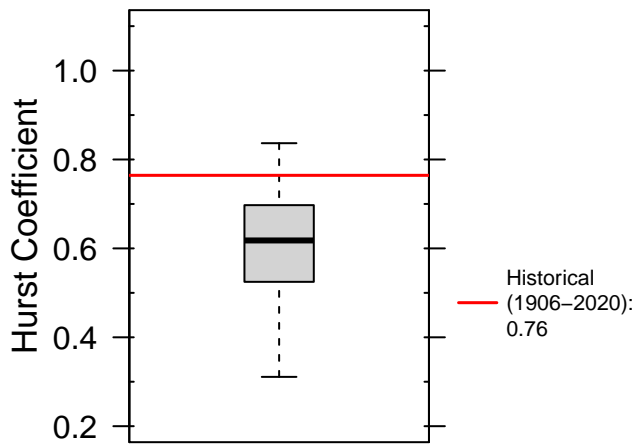
Mann-Kendall Trend Test: $\tau = 0.1$, $P\text{-Value} = 0.3482$

Trend = 0.007 maf/yr, Not Statistically Significant

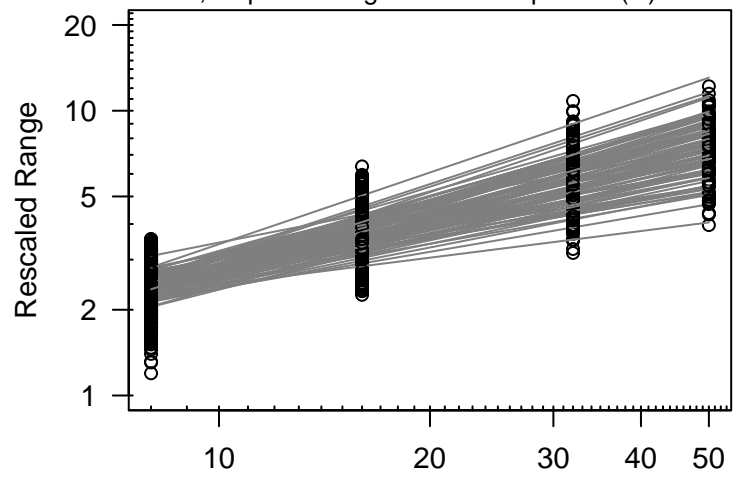


Hurst coefficient

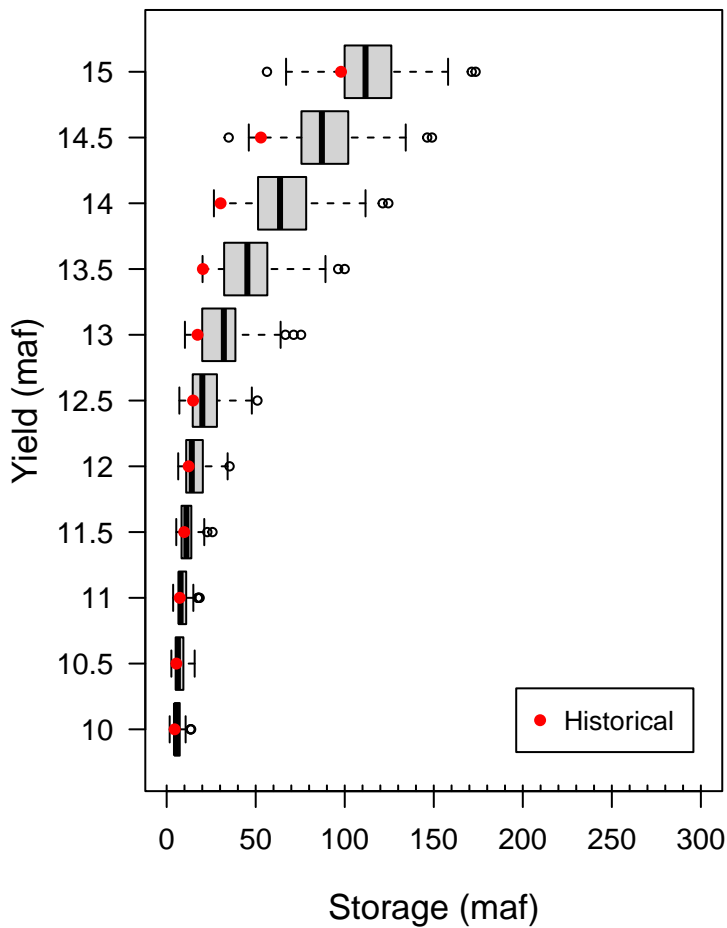
DroughtYrRes_1953_1977



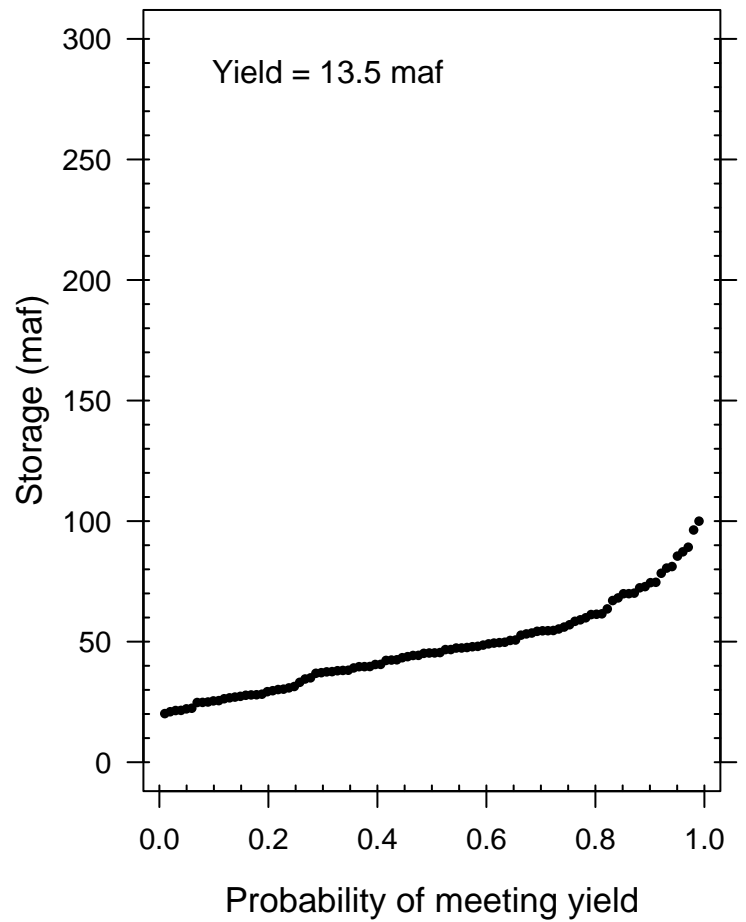
Points for all traces and durations, line for each trace, slope of line gives Hurst exponent (H)



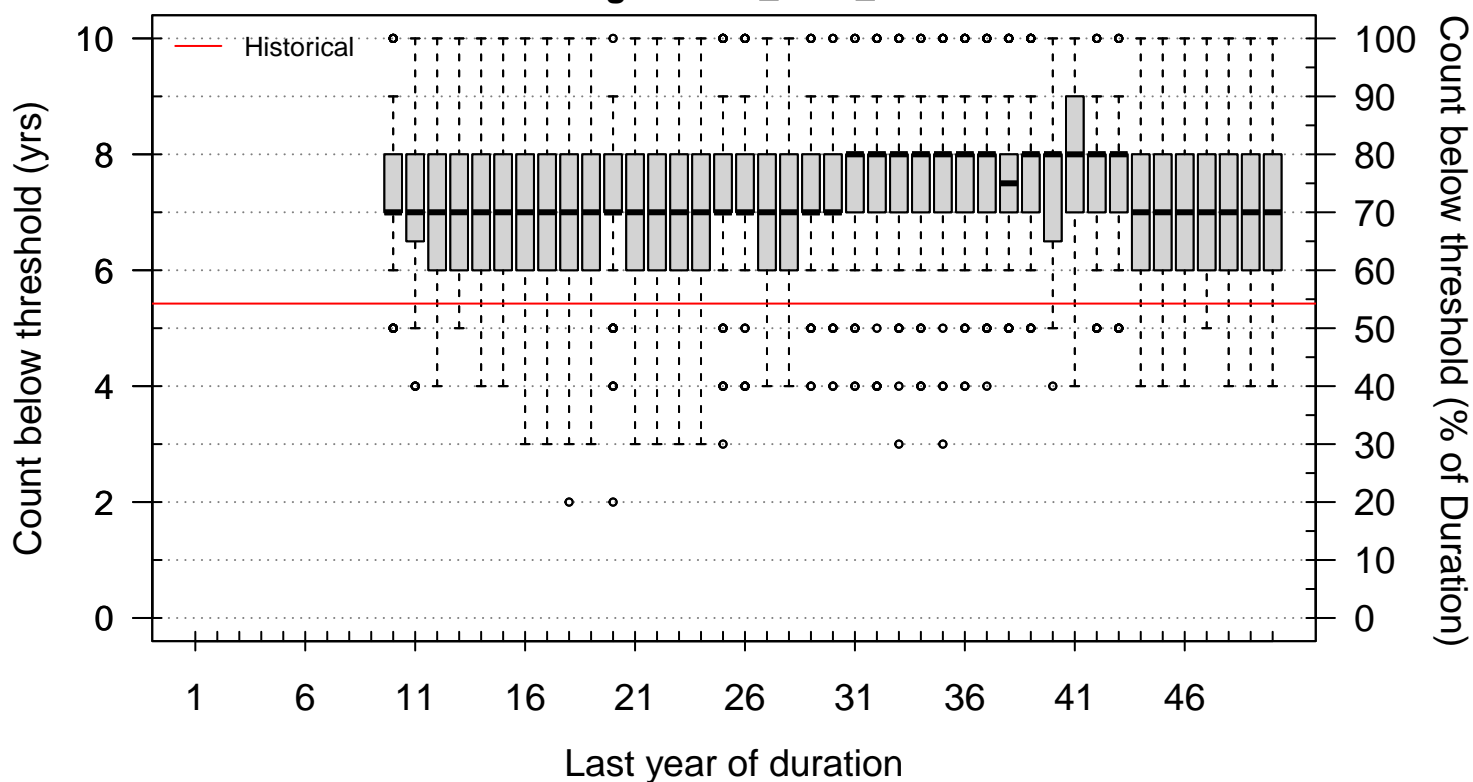
Reservoir Storage-Yield Analysis DroughtYrRes_1953_1977



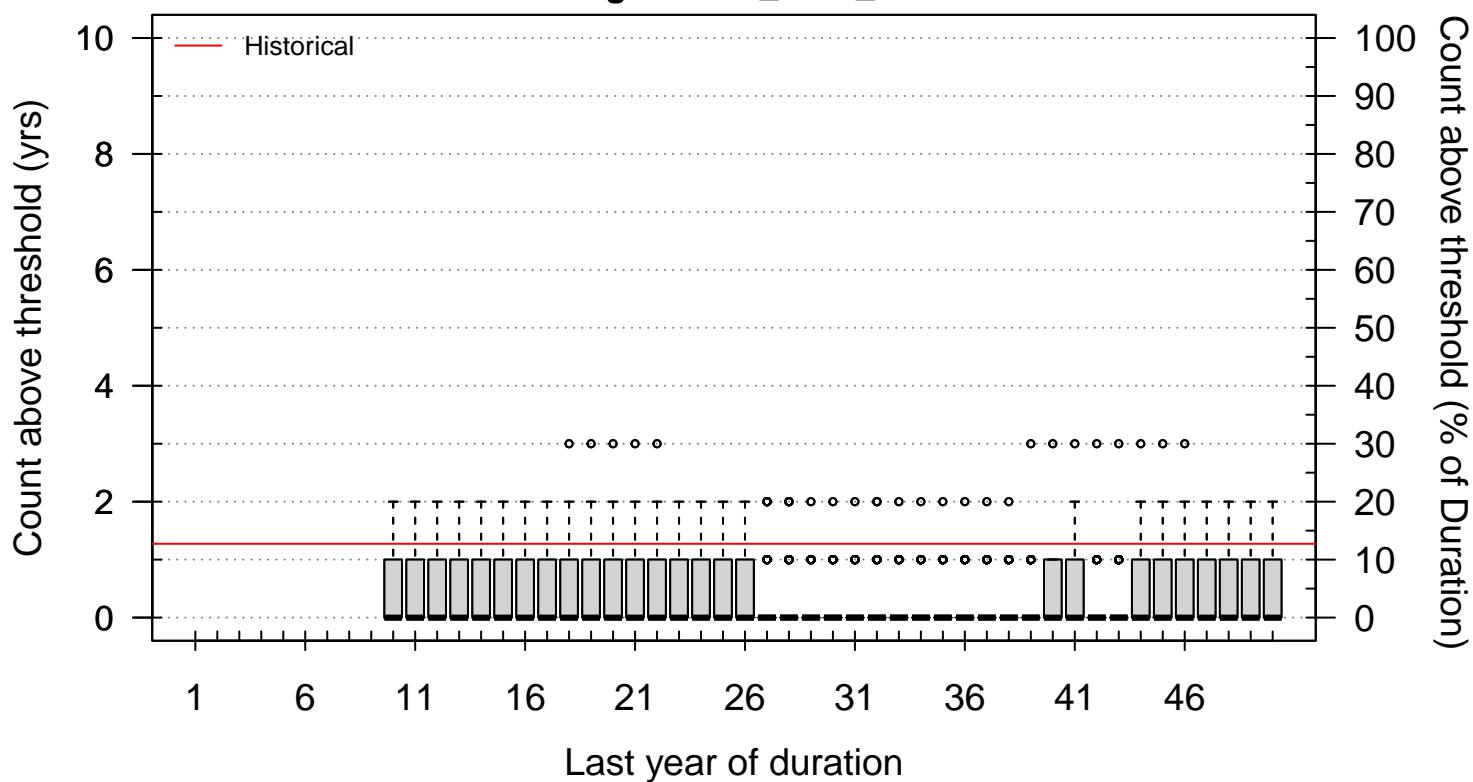
Reservoir Storage Reliability DroughtYrRes_1953_1977



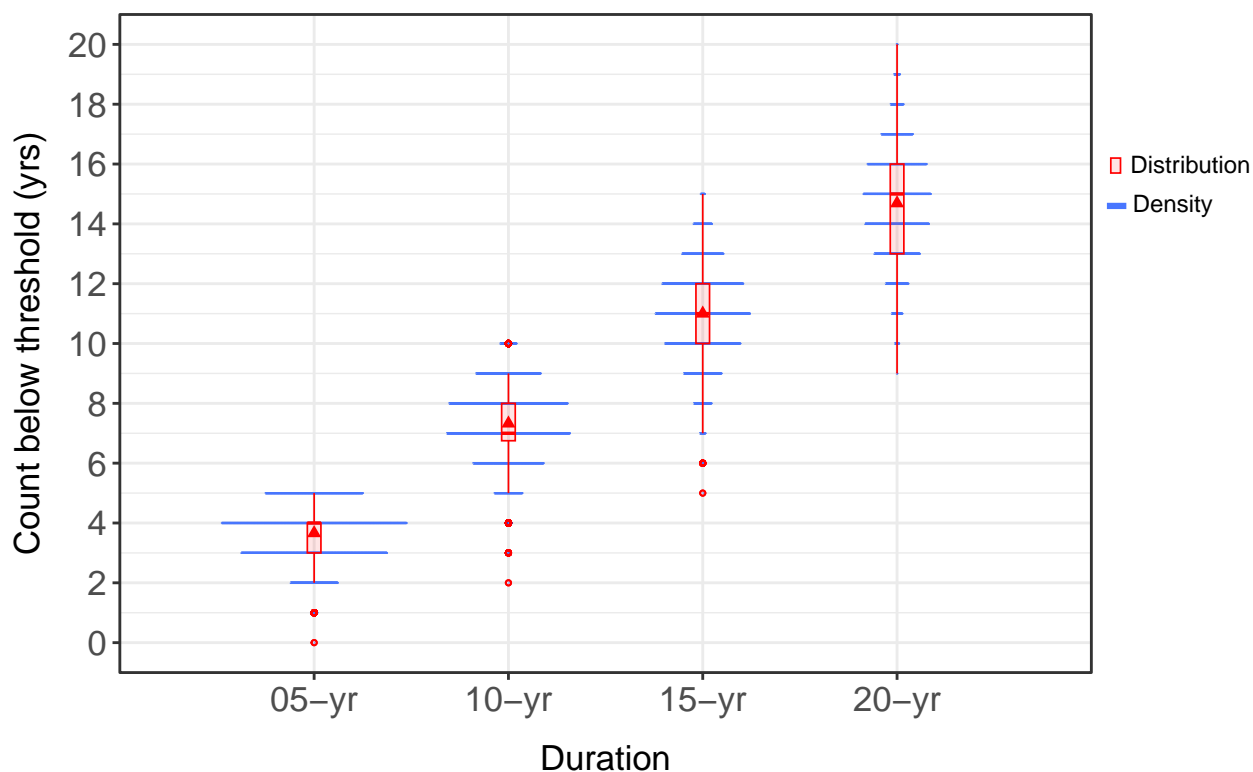
Moving count below threshold (Duration: 10 yrs; Threshold: 14.74 maf/yr)
DroughtYrRes_1953_1977



Moving count above threshold (Duration: 10 yrs; Threshold: 20 maf/yr)
DroughtYrRes_1953_1977



Duration-count analysis (Threshold: 14.74 maf/yr) DroughtYrRes_1953_1977



Duration-Severity Analysis, Ensemble: DroughtYrRes_1953_1977

