Determining dominant amplitude and phase of the results of HA

Analyzing and comparing percentiles across multiple GCMs based on 3 SSPs

Obtaining perturbed data via perturbation method

Preparing observed rainfall data (1985\_2014) of Mehrabad meteorological station

Extracting Raw data from ten Global Circulation Models for 3 SSPs

Downscaling via perturbed method (MATLAB code)

Conducting HA to obtain candidate phase and amplitutude of precipitation (MATLAB) code.

Performing EVA to obtain extreme rainfall event based on dominant component of HA (MATLAB) code.