Data explanation

Raw data files in .txt format from 1980 have been merged into one file each per area “BT8003\_2d.csv” and “FM8098\_2d\_f\_m789.csv” containing probabilistic maturation reaction norm data and “g8001.csv” containing gonad data of female perch caught from 1980 to 2003.

Within the PMRN data frames, column “year”, “birth.year”, “month”, “age”, “length”, “status”, “maturation”, “avlasest.vaerde”, “age\_m1”, “length\_m1”, “o\_a”, “o\_am1”, “m\_as”, “area” and “period” stands respectively for sampling year, cohort, sampling month of the year, perch age, perch body size at capture, gonad development status (1-5 and 9), the perch is mature or not (1 is mature and 0 is not), body size at each age (back-calculated from using operculum structure and body size at capture), age – 1, body size from one year ago, maturity ogive at age at capture, maturity ogive at age-1, probability of maturing, from which population (heated or not) they were caught and from which period (early or late) they were born.

Within the gonad data frames, columns with same name as the PMRN data frame stand for the same characteristics. Column “v” and “GSI” stands respectively for sampling week of the year and perch gonado-somatic index.

The process of calculating maturity ogives and PMRNs can be found in the code. The results are integrated with the original data in the two data frames “growth\_PMRN.csv” and “gonadselectyear.csv”.