

reg_par.txt

The file is located in the [modeldir](#) folder. The file is used for the calculation of regional estimated parameters by regression. This is used when model option `regestimate` is set in [info.txt](#). The file contains coefficients for regression equations for each group. Which catchments belong to which group is given in [CatchGroup.txt](#). The catchment descriptors which are being regressed is given in [CatchDes.txt](#).

The first row of the *reg_par.txt* file gives the number of groups. Then follow two rows for each parameter and group. Group one is given first, then group two etc, each group with all its parameters. The first row of each parameter contains the coefficients and the second row the corresponding catchment descriptor to apply the coefficient to.

The following parameters are possible to estimate with regression: `lp`, `cevpam`, `cevpph`, `rivvel`, `damp`, `tcalt`, `tcelevadd`, `tempcorr`, `pcelevmax`, `pcelevadd`, `pcelevth`, `cevpcorr`, `rrccorr`, `rrcs3`, `pcurain`, and `pcusnow`.

Example of a *reg_par.txt* file structure:

```
3
tcalt 0.6
tcalt 1
cevpcorr 0.1 -0.1 -0.2 0.3
cevpcorr 1 8 9 10
tcalt 0.6
tcalt 1
cevpcorr 0.1 0.0 -0.1 0.4
cevpcorr 1 8 9 10
tcalt 0.5
tcalt 1
cevpcorr -0.1 0.3
cevpcorr 8 10
```