

Latest notes

Included you will find preprints of two papers (PTPT.DOC and TREEPT.DOC) which contain descriptions how to use the program TREEPT. More examples are shown in the file PTPT.DOC (the original name of a first version of the program was PTPT), the paper in the file TREEPT.DOC (Parasitology Research) is more easily available and therefore more suitable for referring.

The present version of the program can analyze also contaminated data, e.g., the data in which some cases in the group 1 should be in fact in the group 2. For example, recently we analyzed the influence of *Toxoplasma gondii* infection on the weight of pregnant women. The problem is that the women with the oldest infections (which probably are most influenced by the *Toxoplasma*) have so low concentrations of antibodies, that they are very often misdiagnoses as *Toxoplasma*-free by standard serological tests). Therefore, it is very useful to perform a permutation test which can transfer certain fraction of women with lowest (or highest?) weights from *Toxoplasma*-free to *Toxoplasma*-positive group).

The file abscess is an example of the impute file for phylogenetic concordance analysis. It contains size of abscesses induced by different strains of *Trichomonas vaginalis* in mice. For details see the PTPT.DOC.

You can analyze it either by typing:

```
treept -p -n 5000 -o sample.out abscess
```

The results will be written to the file SAMPLE.OUT

The file SAMPLE.PRN is an example of the impute file for ANOVA analysis. It contains weights of pregnant women infected (code 2) and uninfected (code 1) with *Toxoplasma gondii*.

You can analyze it either by typing:

```
treept -x -n 3000 -o sample.out sample.prn
```

(simple test similar to ANOVA)

or by typing

```
treept -x -n 3000 -G 1 -P 15 -E 0 -o sample.out sample.prn
```

(the permutation test (like ANAVA) for contaminated data, in this particular case the program performs the reassignment of 15% cases with lowest values from Group 1 to Group 2 during the analyses)

The results will be written to the file SAMPLE.OUT