

## Flexible smoothing with $P$ -splines: a unified approach

### Software

There are three sets of programs in Splus. These perform the main computations in Section 4.

#### 4.1 A randomised block design:

- `4.1.dat` data file
- `functions.s` function file
- `4.1.setup.s` setup file
- `4.1.s` run file

The programs can be called with

```
source("4.1.s")
```

#### 4.2 Trend with hetroscedastic errors:

- `4.2.dat` data file
- `functions.s` function file (same file as 4.1)
- `4.2.s` run file

The programs can be called with

```
source("4.2.s")
```

#### 4.3 Trend with correlated errors:

- `4.3.dat` data file
- `4.3.functions.s` function file
- `4.3.s` run file

The programs can be called with

```
source("4.3.s")
```

The computing demands are small and run times should be no more than a few minutes.