ASSIGNMENT 6

Endocrinology

Refer to Data Set ENDOCRINE.DAT, on the data disk The data set consists of split-sample plasma determinations of 4 hormones for each of 5 subjects from one laboratory The format of the data is given in Table 9.23.

TABLE 9.23 Format of ENDOCRINE.DAT

	Column	Units
Subject number	1	
Replicate number	3	
Plasma estrone	5-8	pg/ml
Plasma estradiol	10–14	pg/ml
Plasma androstenedione	16–19	ng/df
Plasma testosterone	21-24	ng/dl
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Construct a simple random effects models to estimate within and between subjects variability in BUGS for all plasma measurements. In which plasma measurements the variation is attributable in between subjects differences?