

1. Heart rate of 30 marathon runners _____
compared to 20 sprint runners,
controlled for body size (weight)

2. Regression analysis of number of babies _____
delivered per year in 17 European countries,
as a function of number of storks and land area (data in Matthews 2000).

3. With the bicycle ECG stress test, does maximum power
output by male and female patients depend on
whether the investigator is male or female? _____
ntotal = 27

4. Hierarchical ANOVA of wheat yield _____
in two fields on each of 3 farms
number of observations per field: Farm1 (n=3, 3) Farm2 (n = 3, 4) Farm3 (n = 5,6)

5. Do the results for the analysis above differ
among cardiac units (different hospitals)? _____
ntotal = 55 [challenging!]

6. Power laws are used to describe the relation of
lobster egg number to size (carapace length).
Compare power laws for lobsters _____
from Virginia (n=10) , Maine (n = 11),
Nova Scotia (n = 10), and Newfoundland (n =10).