OTHER TECHNIQUES

In addition to the simple statistical methods used in research, there are techniques which allow the researcher to examine many variables simultaneously and so obtain an overall picture of the relationship between them. Although these techniques are powerful and are a useful tool to the researcher, they will never replace simple, careful examination of data.

Finally, a word of advice to those who are developing an interest in using statistical methods in their research. The consultation of an experienced statistician in the initial stages of your investigation can help you avoid the difficulties which the researcher meets in work of this type. The experienced statistician can not only explain the techniques you should use but will also point out any assumptions which are needed for these methods. In this way, you ensure that your results are clearly displayed and, more important, statistically valid.

$$\begin{aligned}
 * \text{ Mean Deviation} &= \frac{\sum_{i=1}^n |x_i - \bar{x}|}{n} \\
 ** \text{ Standard Deviation} &= \sqrt{\frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n}} \\
 \sqrt{\text{Correlation Coefficient}} &= \frac{\sum_{i=1}^n xy}{\Delta x \Delta y} \\
 \Delta x &= \text{S.D. of } \bar{x} \\
 \Delta y &= \text{S.D. of } y
 \end{aligned}$$

where $\bar{x}$ = mean

ANNOTATION

A.I.B.A. MEDICAL COMMISSION

Report on injuries received during the Olympic Games, Munich, 1972.

J. L. BLONSTEIN, Medical Advisor to A.B.A. and President A.I.B.A. Medical Commission

There were 357 boxers and 347 bouts.

There were 4 boxers with haematomata (blood swellings), 1 bout being stopped.

There were 13 cuts in the region of the eye for which the bouts were stopped.

There were 4 boxers with abrasions, none being stopped.

3 boxers retired, 1 with a cut left eye, 1 unable to go on and 1 with an injury to his left arm.

There were 21 boxers with small cuts which were not stopped.

There were 21 knock-outs, 10 in the first round, 8 in the second round and 3 in the third round.

2 boxers were unconscious for 2 minutes but recovered rapidly in the ring. 1 was K.O.'d by a solar plexus punch.

2 boxers were sent to hospital but neither was detained. 1 became hysterical after his bout and the other had sustained a blow to the liver.

There was 1 partial dislocation of the left shoulder, 1 Bennet's fracture of the right thumb, 1 fractured metacarpal of the right hand, 1 sprained ankle and 1 fractured nose. 1 boxer lost 2 teeth during his bout.

99 boxers were given anti-doping tests but none were positive.