**Tasks**

Task 1. The cash compensation (excluding such benefits as stock options) received in 1986 by the highest-paid executives of Canadian companies having shares listed on a U.S. stock exchanges is shown in the accompanying table (other Canadian companies need not disclose executive compensation, since disclosure laws in Canada are less strict than those in the United States). Find the mean, mode, median, first quartile and third quartile. Interpret the results.

| EXECUTIVE | COMPANY | COMPENSATION (IN $1,000S) |
|---|---|---|
| F. STRONACH | Magna International | 1215 |
| E.M. BRONFMAN | Seagram | 1888 |
| P.E. BEEKMAN | Seagram | 1477 |
| E.B. FITZGERALD | Northern Telecom | 1059 |
| A.J. DE GRANDPRE | Bell Canada Enterprises | 977 |
| M. GINGL | Magna International | 956 |
| G.H. DRABINSKY | Cineplex Odeon | 947 |
| M.I. GOTTLIEB | Cineplex Odeon | 924 |
| C.R. BRONFMAN | Seagram | 899 |
| J.R. MCALPINE | Magna International | 856 |
| M.R. HOTTINGER | Magna International | 856 |

Source: *Finanacial Post,* 13 April 1987, p. 16.

Task 2. In a transport survey, the number of passengers in each of 523 cars travelling into a town centre during a particular morning was recorded. The results are summarized in the following table. Find the mean, mode, median, first quartile and third quartile. Interpret the results.

| NUMBER OF PASSENGERS IN A CAR | NUMBER OF CARS |
|---|---|
| 0 | 183 |
| 1 | 160 |
| 2 | 108 |
| 3 | 63 |
| 4 | 8 |
| 5 | 1 |

Task 3. Whig and Penn, solicitors, monitored the time spent on consultations with a random sample of 120 of their clients. The times, to the nearest minute, are summarized in the following table. Find the mean, mode, median, first and third quartile. Interpret the results.

| TIME | NUMBER OF CLIENTS |
|---|---|
| 10-15 | 2 |
| 15-20 | 5 |
| 20-25 | 17 |
| 25-30 | 33 |
| 30-35 | 27 |

| | |
|---|---|
| 35-40 | 25 |
| 40-45 | 7 |
| 45-50 | 3 |
| 50-55 | 1 |
| TOTAL | 120 |

**Statistica**

Task 4. On the basis of the data contained in the file Animalweight.sta designate and interpret the mean, median, mode, first and third quartiles, second and first decils, and 11, 58 and 99 percentiles.

Task 5. The file 'Turtles' in the Examples in Statistica describes the turtles in Tajland. Find and interpret the mean, median, mode, first and third quartiles, third and fourth decils, and 17, 28 and 59 percentiles.