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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 standard deviation, range, interquartile range, coefficient of variation. 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 standard deviation, range, coefficient of variation. 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 standard deviation, range, coefficient of variation. 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 standard deviation, range, coefficient of variation.

Task 5. The file ‘Turtles’ in the Examples in Statistica describes the turtles in Tajland. Find and interpret the standard deviation, range, coefficient of variation.