

SAS Output for Question 1

The CORR Procedure
 3 Variables: social verbal science

Covariance Matrix, DF = 87

	social	verbal	science
social	5741.300040	590.963535	219.477606
verbal	590.963535	124.604836	23.119699
science	219.477606	23.119699	22.846083

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
social	87	526.58621	75.77137	45813	348.00000	733.00000
verbal	87	54.68966	11.16265	4758	25.00000	75.00000
science	87	25.12644	4.77976	2186	14.00000	36.00000

SAS Output for Question 2

s

8.940	-1.01	2.111	-.114
-1.01	7.018	2.915	-1.02
2.111	2.915	13.21	2.979
-.114	-1.02	2.979	9.089

q2a	q2b	q2c
0.0298	0.1178	0.434

s2

13.94	3.894
3.894	28.26

The MEANS Procedure

Variable	Mean	Variance
inda	0.0298000	0.0289149
indb	0.1178000	0.1039336
indc	0.4335000	0.2456023
X4	2.9777138	9.0885634

The CORR Procedure
 2 Variables: y1 y2

Covariance Matrix, DF = 9999

	y1	y2
y1	13.94277281	3.89411756
y2	3.89411756	28.25740806

3.

(a) 0.042

(b) 0.108