

Here are some details on the irises, collectively and separately.

Total					
	sepalLength	sepalWidth	petalLength	petalWidth	
count	150.000000	150.000000	150.000000	150.000000	
mean	5.843333	3.054000	3.758667	1.198667	
std	0.828066	0.433594	1.764420	0.763161	
min	4.300000	2.000000	1.000000	0.100000	
25%	5.100000	2.800000	1.600000	0.300000	
50%	5.800000	3.000000	4.350000	1.300000	
75%	6.400000	3.300000	5.100000	1.800000	
max	7.900000	4.400000	6.900000	2.500000	

Iris-setosa					
	sepalLength	sepalWidth	petalLength	petalWidth	
count	50.00000	50.000000	50.000000	50.00000	
mean	5.00600	3.418000	1.464000	0.24400	
std	0.35249	0.381024	0.173511	0.10721	
min	4.30000	2.300000	1.000000	0.10000	
25%	4.80000	3.125000	1.400000	0.20000	
50%	5.00000	3.400000	1.500000	0.20000	
75%	5.20000	3.675000	1.575000	0.30000	
max	5.80000	4.400000	1.900000	0.60000	

Iris-versicolor					
	sepalLength	sepalWidth	petalLength	petalWidth	
count	50.000000	50.000000	50.000000	50.000000	
mean	5.936000	2.770000	4.260000	1.326000	
std	0.516171	0.313798	0.469911	0.197753	
min	4.900000	2.000000	3.000000	1.000000	
25%	5.600000	2.525000	4.000000	1.200000	
50%	5.900000	2.800000	4.350000	1.300000	
75%	6.300000	3.000000	4.600000	1.500000	
max	7.000000	3.400000	5.100000	1.800000	

Iris-virginica					
	sepalLength	sepalWidth	petalLength	petalWidth	
count	50.00000	50.000000	50.000000	50.00000	
mean	6.58800	2.974000	5.552000	2.02600	
std	0.63588	0.322497	0.551895	0.27465	
min	4.90000	2.200000	4.500000	1.40000	
25%	6.22500	2.800000	5.100000	1.80000	
50%	6.50000	3.000000	5.550000	2.00000	
75%	6.90000	3.175000	5.875000	2.30000	

max	7.90000	3.800000	6.900000	2.50000
-----	---------	----------	----------	---------

Total correlation

	sepalLength	sepalWidth	petalLength	petalWidth
sepalLength	1.000000	-0.109369	0.871754	0.817954
sepalWidth	-0.109369	1.000000	-0.420516	-0.356544
petalLength	0.871754	-0.420516	1.000000	0.962757
petalWidth	0.817954	-0.356544	0.962757	1.000000

Iris-setosa correlation

	sepalLength	sepalWidth	petalLength	petalWidth
sepalLength	1.000000	0.746780	0.263874	0.279092
sepalWidth	0.746780	1.000000	0.176695	0.279973
petalLength	0.263874	0.176695	1.000000	0.306308
petalWidth	0.279092	0.279973	0.306308	1.000000

Iris-versicolor correlation

	sepalLength	sepalWidth	petalLength	petalWidth
sepalLength	1.000000	0.525911	0.754049	0.546461
sepalWidth	0.525911	1.000000	0.560522	0.663999
petalLength	0.754049	0.560522	1.000000	0.786668
petalWidth	0.546461	0.663999	0.786668	1.000000

Iris-virginica correlation

	sepalLength	sepalWidth	petalLength	petalWidth
sepalLength	1.000000	0.457228	0.864225	0.281108
sepalWidth	0.457228	1.000000	0.401045	0.537728
petalLength	0.864225	0.401045	1.000000	0.322108
petalWidth	0.281108	0.537728	0.322108	1.000000







