0.1 Correlation coefficients using Pearson's correlation coefficient

	residual sugar	fixed acidity	total sulfur dioxide	alcohol	quality	free sulfur dioxide	density	pH	chlorides	sulphates	citric acid	volatile acidity
residual sugar	**1.0000**	0.0890	0.4014	-0.4506	-0.0976	0.2991	**0.8390**	-0.1941	0.0887	-0.0267	0.0942	0.0643
fixed acidity	0.0890	**1.0000**	0.0911	-0.1209	-0.1137	-0.0494	0.2653	-0.4259	0.0231	-0.0171	0.2892	-0.0227
total sulfur dioxide	0.4014	0.0911	**1.0000**	-0.4489	-0.1747	**0.6155**	**0.5299**	0.0023	0.1989	0.1346	0.1211	0.0893
alcohol	-0.4506	-0.1209	-0.4489	**1.0000**	0.4356	-0.2501	-0.7801	0.1214	-0.3602	-0.0174	-0.0757	0.0677
quality	-0.0976	-0.1137	-0.1747	0.4356	**1.0000**	0.0082	-0.3071	0.0994	-0.2099	0.0537	-0.0092	-0.1947
free sulfur dioxide	0.2991	-0.0494	**0.6155**	-0.2501	0.0082	**1.0000**	0.2942	-0.0006	0.1014	0.0592	0.0941	-0.0970
density	**0.8390**	0.2653	**0.5299**	-0.7801	-0.3071	0.2942	**1.0000**	-0.0936	0.2572	0.0745	0.1495	0.0271
pH	-0.1941	-0.4259	0.0023	0.1214	0.0994	-0.0006	-0.0936	**1.0000**	-0.0904	0.1560	-0.1637	-0.0319
chlorides	0.0887	0.0231	0.1989	-0.3602	-0.2099	0.1014	0.2572	-0.0904	**1.0000**	0.0168	0.1144	0.0705
sulphates	-0.0267	-0.0171	0.1346	-0.0174	0.0537	0.0592	0.0745	0.1560	0.0168	**1.0000**	0.0623	-0.0357
citric acid	0.0942	0.2892	0.1211	-0.0757	-0.0092	0.0941	0.1495	-0.1637	0.1144	0.0623	**1.0000**	-0.1495
volatile acidity	0.0643	-0.0227	0.0893	0.0677	-0.1947	-0.0970	0.0271	-0.0319	0.0705	-0.0357	-0.1495	**1.0000**

0.2 Correlation coefficients using Spearman's rho

	residual sugar	fixed acidity	total sulfur dioxide	alcohol	quality	free sulfur dioxide	density	pH	chlorides	sulphates	citric acid	volatile acidity
residual sugar	**1.0000**	0.0890	0.4014	-0.4506	-0.0976	0.2991	**0.8390**	-0.1941	0.0887	-0.0267	0.0942	0.0643
fixed acidity	0.0890	**1.0000**	0.0911	-0.1209	-0.1137	-0.0494	0.2653	-0.4259	0.0231	-0.0171	0.2892	-0.0227
total sulfur dioxide	0.4014	0.0911	**1.0000**	-0.4489	-0.1747	**0.6155**	**0.5299**	0.0023	0.1989	0.1346	0.1211	0.0893
alcohol	-0.4506	-0.1209	-0.4489	**1.0000**	0.4356	-0.2501	-0.7801	0.1214	-0.3602	-0.0174	-0.0757	0.0677
quality	-0.0976	-0.1137	-0.1747	0.4356	**1.0000**	0.0082	-0.3071	0.0994	-0.2099	0.0537	-0.0092	-0.1947
free sulfur dioxide	0.2991	-0.0494	**0.6155**	-0.2501	0.0082	**1.0000**	0.2942	-0.0006	0.1014	0.0592	0.0941	-0.0970
density	**0.8390**	0.2653	**0.5299**	-0.7801	-0.3071	0.2942	**1.0000**	-0.0936	0.2572	0.0745	0.1495	0.0271
pH	-0.1941	-0.4259	0.0023	0.1214	0.0994	-0.0006	-0.0936	**1.0000**	-0.0904	0.1560	-0.1637	-0.0319
chlorides	0.0887	0.0231	0.1989	-0.3602	-0.2099	0.1014	0.2572	-0.0904	**1.0000**	0.0168	0.1144	0.0705
sulphates	-0.0267	-0.0171	0.1346	-0.0174	0.0537	0.0592	0.0745	0.1560	0.0168	**1.0000**	0.0623	-0.0357
citric acid	0.0942	0.2892	0.1211	-0.0757	-0.0092	0.0941	0.1495	-0.1637	0.1144	0.0623	**1.0000**	-0.1495
volatile acidity	0.0643	-0.0227	0.0893	0.0677	-0.1947	-0.0970	0.0271	-0.0319	0.0705	-0.0357	-0.1495	**1.0000**

0.3 Correlation coefficients using Kendall's tau

	residual sugar	fixed acidity	total sulfur dioxide	alcohol	quality	free sulfur dioxide	density	pH	chlorides	sulphates	citric acid	volatile acidity
residual sugar	**1.0000**	0.0890	0.4014	-0.4506	-0.0976	0.2991	**0.8390**	-0.1941	0.0887	-0.0267	0.0942	0.0643
fixed acidity	0.0890	**1.0000**	0.0911	-0.1209	-0.1137	-0.0494	0.2653	-0.4259	0.0231	-0.0171	0.2892	-0.0227
total sulfur dioxide	0.4014	0.0911	**1.0000**	-0.4489	-0.1747	**0.6155**	**0.5299**	0.0023	0.1989	0.1346	0.1211	0.0893
alcohol	-0.4506	-0.1209	-0.4489	**1.0000**	0.4356	-0.2501	-0.7801	0.1214	-0.3602	-0.0174	-0.0757	0.0677
quality	-0.0976	-0.1137	-0.1747	0.4356	**1.0000**	0.0082	-0.3071	0.0994	-0.2099	0.0537	-0.0092	-0.1947
free sulfur dioxide	0.2991	-0.0494	**0.6155**	-0.2501	0.0082	**1.0000**	0.2942	-0.0006	0.1014	0.0592	0.0941	-0.0970
density	**0.8390**	0.2653	**0.5299**	-0.7801	-0.3071	0.2942	**1.0000**	-0.0936	0.2572	0.0745	0.1495	0.0271
pH	-0.1941	-0.4259	0.0023	0.1214	0.0994	-0.0006	-0.0936	**1.0000**	-0.0904	0.1560	-0.1637	-0.0319
chlorides	0.0887	0.0231	0.1989	-0.3602	-0.2099	0.1014	0.2572	-0.0904	**1.0000**	0.0168	0.1144	0.0705
sulphates	-0.0267	-0.0171	0.1346	-0.0174	0.0537	0.0592	0.0745	0.1560	0.0168	**1.0000**	0.0623	-0.0357
citric acid	0.0942	0.2892	0.1211	-0.0757	-0.0092	0.0941	0.1495	-0.1637	0.1144	0.0623	**1.0000**	-0.1495
volatile acidity	0.0643	-0.0227	0.0893	0.0677	-0.1947	-0.0970	0.0271	-0.0319	0.0705	-0.0357	-0.1495	**1.0000**