Corrolation matrix

| | Corrolation matrix | | | | | | | | | | | |
|------------------------|--------------------|--------------------|---------------|------------------|-------------|-----------------------|------------------------|-----------|----------|-------------|-----------|-----------|
| fixed acidity - | 1 | -0.023 | 0.29 | 0.089 | 0.023 | -0.049 | 0.091 | 0.27 | -0.43 | -0.017 | -0.12 | -0.11 |
| volatile acidity - | -0.023 | 1 | -0.15 | 0.064 | 0.071 | -0.097 | 0.089 | 0.027 | -0.032 | -0.036 | 0.068 | -0.19 |
| citric acid - | 0.29 | -0.15 | 1 | 0.094 | 0.11 | 0.094 | 0.12 | 0.15 | -0.16 | 0.062 | -0.076 | -0.0092 |
| residual sugar - | 0.089 | 0.064 | 0.094 | 1 | 0.089 | 0.3 | 0.4 | 0.84 | -0.19 | -0.027 | -0.45 | -0.098 |
| chlorides - | 0.023 | 0.071 | 0.11 | 0.089 | 1 | 0.1 | 0.2 | 0.26 | -0.09 | 0.017 | -0.36 | -0.21 |
| free sulfur dioxide - | -0.049 | -0.097 | 0.094 | 0.3 | 0.1 | 1 | 0.62 | 0.29 | -0.00062 | 0.059 | -0.25 | 0.0082 |
| total sulfur dioxide - | 0.091 | 0.089 | 0.12 | 0.4 | 0.2 | 0.62 | 1 | 0.53 | 0.0023 | 0.13 | -0.45 | -0.17 |
| density - | 0.27 | 0.027 | 0.15 | 0.84 | 0.26 | 0.29 | 0.53 | 1 | -0.094 | 0.074 | -0.78 | -0.31 |
| рН - | -0.43 | -0.032 | -0.16 | -0.19 | -0.09 | -0.00062 | 0.0023 | -0.094 | 1 | 0.16 | 0.12 | 0.099 |
| sulphates - | -0.017 | -0.036 | 0.062 | -0.027 | 0.017 | 0.059 | 0.13 | 0.074 | 0.16 | 1 | -0.017 | 0.054 |
| alcohol - | -0.12 | 0.068 | -0.076 | -0.45 | -0.36 | -0.25 | -0.45 | -0.78 | 0.12 | -0.017 | 1 | 0.44 |
| quality - | -0.11 | -0.19 | -0.0092 | -0.098 | -0.21 | 0.0082 | -0.17 | -0.31 | 0.099 | 0.054 | 0.44 | 1 |
| | fixed acidity - | volatile acidity - | citric acid - | residual sugar - | chlorides - | free sulfur dioxide - | total sulfur dioxide - | density - | - Hd | sulphates - | alcohol - | quality - |