	CRIME_RATE	*AGE*	*INDUSTRY*	*NOX*	*DISTANCE*	*TAX*	*PTRATIO*	*AVG_ROOM*	*LSTAT*	*AVG_PRICE*
CRIME_RATE	1.0000									
AGE	0.0069	1.0000								
INDUSTRY	-0.0055	0.6448	1.0000							
NOX	0.0019	0.7315	0.7637	1.0000						
DISTANCE	-0.0091	0.4560	0.5951	0.6114	1.0000					
TAX	-0.0167	0.5065	0.7208	0.6680	0.9102	1.0000				
PTRATIO	0.0108	0.2615	0.3832	0.1889	0.4647	0.4609	1.0000			
AVG_ROOM	0.0274	-0.2403	-0.3917	-0.3022	-0.2098	-0.2920	-0.3555	1.0000		
LSTAT	-0.0424	0.6023	0.6038	0.5909	0.4887	0.5440	0.3740	-0.6138	1.0000	
AVG_PRICE	0.0433	-0.3770	-0.4837	-0.4273	-0.3816	-0.4685	-0.5078	0.6954	-0.7377	1.0000

Observation:

The above table depicts the Correlation matrix of the data. For the ease of understanding, the numbers are highlighted using the color scales based on the significance level. There is a significant relation between Non-retail industrial area and the Nitrogen Oxides concentation.

The top 3 positively correlated pairs are:

1. TAX and DISTANCE (0.91)
2. NOX and INDUSTRY (0.76)
3. NOX and AGE (0.73)

The top 3 negatively correlated pairs are:

1. AVG_PRICE and LSTAT (-0.73)
2. LSTAT and AVG_ROOM (-0.61)
3. AVG_PRICE and PTRATIO (-0.50)