Senses by Wordnet:

1. correlation: a reciprocal relation between two or more things
2. correlation: a statistic representing how closely two variables co-vary; it can vary from -1 (perfect negative correlation) through 0 (no correlation) to +1 (perfect positive correlation); "what is the correlation between those two variables?"
3. correlation: a statistical relation between two or more variables such that systematic changes in the value of one variable are accompanied by systematic changes in the other
4. theory: a well-substantiated explanation of some aspect of the natural world; an organized system of accepted knowledge that applies in a variety of circumstances to explain a specific set of phenomena; "theories can incorporate facts and laws and tested