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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  | | --- | | [InterviewQs](http://url4828.interviewqs.com/ls/click?upn=qwT-2Bl0U064-2B7oRNpPgUya7ecPmGRwE2khpP-2F5cNr-2FmX-2B6PqYxRHzWlRa-2B8ecgLBA9-2BqgBN6N-2BlN6LynvPDDX8gP5GJnL7P-2FdFw86KOd0IkE-3D1R5W_IX5HKWnhXeILdZHF1orS-2BlB9GK8lB7SYfPoy-2FMuH4KRohMZLpajhsnIOVcXh9Dl1-2FEM0gexeUVi2uV8saiYk-2BIoemGnh34m-2BtT-2BROOE0Lc-2Bkopd6Z27bKGuv7dOuQ73sXkNsOgMybAyt1cBiJAwdfrsAeeJh5bJa8Hot90W16qZ7R-2BtpW-2FgA186GOcU67cb6QM7TUbc7uJQBQcEuj1QqhSqmB3jShcPeToTfPlTlPKPYOs69L36DVKGlcvicTIVAtWJ6ACUgtAQk1v634rEEhjxOWLNYD52uCUZuSRC87EB8vEfn2eVS649jtm8jDi733xEj9bx3e8hpeyi6mZheGuGxzPc-2F6QbkRtWf-2BEdb4IZROXqGS5BXvvT9ASS-2Fwig9) |  |  | | --- | | **Testing the toxicity of water** |  |  |  | | --- | --- | | |  | | --- | |  | |  |  | | --- | | ***Statistics, T-test*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Suppose you're trying to measure the Selenium toxicity in your tap water, and obtain the following values for each day:   |  |  | | --- | --- | | **day** | **selenium** | | 1 | 0.051 | | 2 | 0.0505 | | 3 | 0.049 | | 4 | 0.0516 | | 5 | 0.052 | | 6 | 0.0508 | | 7 | 0.0506 |   The maxiumum level for safe drinking water is 0.05 mg/L -- using this as your alpha, does the selenium tap level exceed the legal limit? *Hint: you can use a t-test here* | | | | |