**Lesson 2: Do striped bass PCB levels vary by location?**

**T-test information**

|  |  |  |
| --- | --- | --- |
| **Location** | **Mean** | **Standard Deviation** |
| Troy | 1.78 | 1.85 |
| Catskill | 0.452 | 0.28 |
| Poughkeepsie | 0.62 | 0.59 |
| Haverstraw | 0.729 | 0.6 |
| George Washington Bridge | 0.52 | 1.31 |

**Comparisons**

|  |  |  |  |
| --- | --- | --- | --- |
| **Locations** | **t-statistic** | **p-value** | **Are the means significantly different?** |
| Troy vs Catskill | 3.24 | 0.004 | yes |
| Troy vs Haverstraw | 2.49 | 0.02 | yes |
| Troy vs GW Bridge | 2.68 | 0.01 | yes |
| Troy vs Poughkeepsie | 2.77 | 0.01 | yes |
| Haverstraw vs GW Bridge | 0.705 | 0.48 | no |