## Out-of-Class Problem No. 2

Dr. Hargorve, Director of Technology, has just completed a study of the benefits of online instruction. He selected, randomly, six students from each of ten Science classrooms. He then randomly enrolled three of the six students from each classroom to participate in a new online science program (Treatment) covering several of the units in the course. The remaing three students in each classroom constituted a Control gorup, and were enrolled in an online program that had been used for the previous three years. At the end of 10 weeks, Dr. Hargrove administered a standardized achievement test over the content of the science units. The test scores are given below. Note that in a few instances students in both the treatment group and control group did not take the test.

## Science Achievement Test Scores

|  | Treatment | Control |
| :---: | :---: | :---: |
| Classroom | 31 | 33 |
| No. 1 | 32 | 24 |
|  | 28 | 29 |
| Classroom | 36 | 34 |
| No. 2 | 35 | 31 |
|  |  | 32 |
| Classroom | 28 | 26 |
| No.3 | 29 | 26 |
|  | 27 | 27 |
| Classroom | 31 | 30 |
| N0.4 | 25 | 27 |
|  | 33 | 31 |
| Classroom | 32 | 34 |
| No.5 | 40 | 35 |
|  | 38 |  |


|  | Treatment | Control |
| :---: | :---: | :---: |
| Classroom | 37 | 33 |
| No. 6 | 30 | 30 |
|  | 34 | 31 |
| Classroom | 29 | 28 |
| No. 7 | 33 | 31 |
|  |  | 30 |
| Classroom | 34 | 26 |
| No. 8 | 37 | 34 |
|  | 37 | 31 |
| Classroom | 35 | 29 |
| No. 9 | 40 | 24 |
|  | 34 | 35 |
| Classroom | 32 | 36 |
| No. 10 | 38 | 33 |
|  | 34 | 34 |

Your job is to help Dr. Hargove determine whether the new program was effective as measured by the achievement test.

Report your findings on the Forum for discussiong, collaborating, and reporting your results from Out-of-Class Problem 2 on the ning.

