

# [Analysis assignment](https://assignbuster.com/analysis-assignment-essay-samples/)

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Analysis assignment Learning environment is one of the factors to successful learning outcomes. Baeten, Dochy, & Struyven (494- 496) ascertained thisin their study that investigated different effects of lectures, case-based learning, and an integrated approach on learning outcomes and noted that an integrated approach that gradually introduced students to case-based learning was the most effective. Attitude towards learning environment is another factor (Khalid & Khatib 64, 64) to effectiveness of learning. The literature suggests that environment and approaches yield different results and this discussion aims to test difference in effectiveness of classroom, CD and video and on-the-job training environment. The following hypothesis is tested.
HO: µ­1= µ­2= µ­3, There is no significant difference in results from the training methods
HA: Any of the means is different, there is a significant difference in results from the training methods
Single factor ANOVA is used in the test, at 0. 05 level of significance. The following are the excel output for the results.
Table 1: Summary statistics
SUMMARY
Groups
Count
Sum
Average
Variance
Classroom
6
325
54. 16667
10. 34267
CD and Video
6
334. 8
55. 8
6. 136
On-the-job
6
361. 6
60. 26667
4. 926667
The averages suggest a difference in the scores with highest scores from on-the-job training.
Table 2: ANOVA table
ANOVA
Source of Variation
SS
df
MS
F
P-value
F crit
Between Groups
119. 6578
2
59. 82889
8. 385138
0. 003594
3. 68232
Within Groups
107. 0267
15
7. 135111
Total
226. 6844
17

The test is significant (p= 0. 00359, F= 8. 385). this means that the null hypothesis is rejected to the effect that a significant difference exist between results from the training methods. On-the-job training is therefore the most effective method because it offers the highest average score.
The figure below shows distribution of scores by training method.
Figure 1: Scores by training method
Applied training method, therefore, influences scores and on-the-job training is the best approach, and CD AND and video, and classroom follow respectively.
Works cited
Baeten, Marlies, Dochy, Filip, & Struyven, Katrien. “ The effects of different learning environments on students’ motivation for learning and their achievement.” British Journal of Educational Psychology 83. 3 (2013): 481-501. Print.
Khalid, Ahmad & Khatib, Ahmad. “ Students’ perception of the learning environment in business education in Kuwait: A comparative study between private and public universities.” Journal of Business Studies Quarterly 5. 3 (2014): 59-68. Print.