

Analysis assignment

[Business](#), [Management](#)



Analysis assignment Learning environment is one of the factors to successful learning outcomes. Baeten, Dochy, & Struyven (494- 496) ascertained this in 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: $\mu_1 = \mu_2 = \mu_3$, 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.