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OLD BUT USEFUL

The aim of all organisations, that let him employ people, who help the organisation's aims with their work to reach. They filter the candidates with suitability examinations because of this. The examinations are expected to be sorted out from the candidates. The examinations are made with different methods, but the aim until all of them the statement of the suitability! It is possible to predict the suitability only actually. It is possible to establish proving competent based on the candidate's completed work punctually only. The indicator that signals the efficiency of the examination is the validity of the examinations. The statement of the suitability trades like that this is very important where his failure presents a serious risk for the accomplishment of the work onto your human edge or material values.

The flying management serious and responsibility full trade. People life and serious material loss may depend on the successful accomplishment of the work. His ATCs ones applying for work it was selected thoroughly always. The ATCs training is regulated very in detail. The theoretical one and practical training happen through long and very hard exams. Only few people capable these expectations to accomplish.

Onto the ATCs' selection different methods were drawn up. The selection methods that are his real ATCs worked well the best a workplace was pretended. The candidate needs him for the real work in this simulation environment very much to execute similar tasks. They sort out the suitable candidates based on a performance showed in this simulation environment. Test like this AIRTEST V2.0 software.

AIRTEST V2.0 THE PRESENTATION OF SOFTWARE

AIRTEST V2.0 software an air traffic directing admission test. The aim of the test, that let him bring a similar work load to the real one onto existence, but some, that to the solution of the tasks let there not be need for precognitions from the flying management. The software constructing Szalontai Andrea Hungarocontrol colleague. 2001 are the times of creating the software. Because old this is the softwer! 9 years is a too long time world of sofwers!

The test consists of the undermentioned, tasks to be executed in parallel with with each other:

- The management of airplanes the computer displaying. The student says his instructions, which the person handling the computer program feeds into the machine with a mouse, verbally. The program measures his time spent on the air corridor without for the airplanes in

a second, and gives time-proportionate penalty points because of this. A minute is equal to 9 penalty points. The airplanes the screen, contrary may be lost inside the designate leaving area in a case until the end of the practice only they count as one outside.

- During the practice the listener from the computer's loudspeaker every minute four plain ones, but here and there thinking receives an arithmetic task. These has to prescribe his results for paper. For a wrong result 4 penalty points, 3 penalty points are the reward for an omitted answer.
- Likewise during the practice the computer displaying visible telephone buttons random interval they catch fire and the program indicates that a call arrived with whistling. He receives 2 penalty points if the keyboard does not acknowledge the call until the 10 seconds keeping silent with pressing the number button of an equivalent. If he gives a receipt for it, but beyond 5 seconds, 1 penalty point is due then.
- The student has to notice it before the starting of the test one six letter, meaningless code, and it on the end of the test up is needed, let him quote it and has to write it in the field which can be seen on the visualizing one on the end of the test. The program gives 2 penalty points for all letters, which he remembered badly.

It is necessary to do the examination two times 15 minute times with a difference. The calculation of the result starts from scratch, and at what the listener obtains fewer penalty points, it better his result. On what two examinations as a separate result number one. The reference was had ones 115 established it in a penalty point based on 89 of the author's air traffic control examinations. It regards the suitability of listeners reaching more penalty points at this as questionable one. I have to observe that this test is only an element of the selection process in the selection here. His very important part, but not his sufficient part!

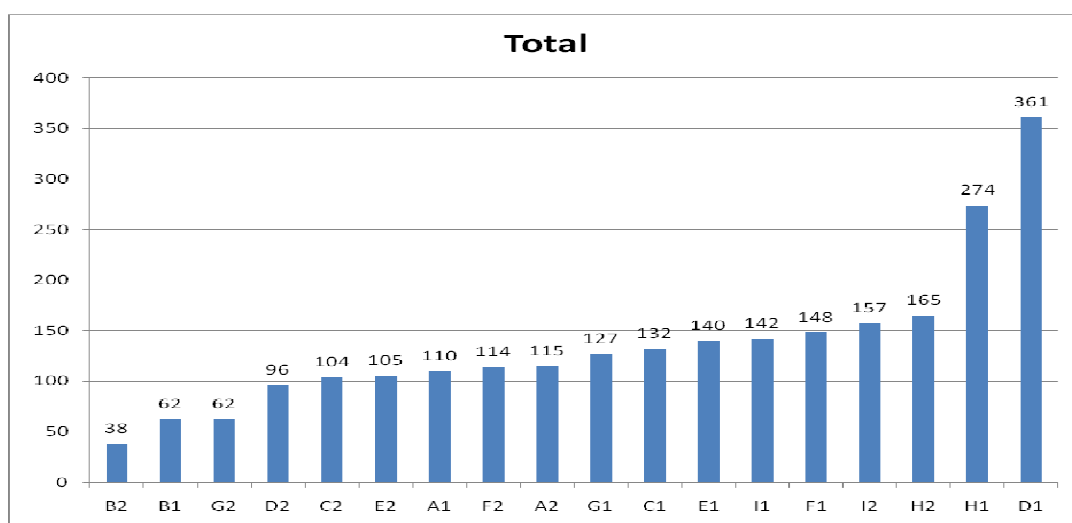
The results of the examinations

Nine thirds I examined a year military air traffic control student with this software. I looked for the answer for it in order whether the results attained in the test should justify it the practical radar achieved results in a simulation. His nine air traffic control software examinations occurred before it before it was started the radar would be simulation practices. It was the initial hypothesis that it is the students, who figures in the test well for it well has to act the radar on simulation practices.

The inferences nearly 40 hours of radar I deducted it after the accomplishment of simulation practice. The students radar on simulation practices truth to the assessment of their performance I asked for the vocational opinion of my 3 colleagues teaching the ATC. Four tutorial opinions set on his basis so the students radar simulation practice.

I summarized the results of the measurements in a table:

1. diagram



The 1. diagram shows the value measured based on the two measurements. Letters signal the students my mouth signals their result gained on top of the column. I established the successors based on the measured results. The 115 accurate penalty points border from 18 measurements 9 measurement results exceed it. From 9 listeners 7 listeners the one on the limit value or under it understands a result at least one times. 7 listeners reached a performance above the limit value at least one times.

Inferences the test based on results

2 of his suitabilities keeping silent are questionable based on the results of the test. If I interpret it narrowly the test results, so who stepped over the margin of error once, only 2 answered questions on 9 students then and 7 of his suitabilities keeping silent questionable. If I interpret it widely, so who the criterion accomplished it once level 115 penalty points you are under it accomplished, 7 students proved his suitability then.

The creator of the test it criterion claimed that all two are the result of the test examination you are 115 penalty points under it it is essential that he should be. Only two students reached the criterion of the suitability based on this.

The radar the expectations of simulation practice

The radar simulation practices the expectations of a basis opposite the students it, that let them be capable of the end of the practices onto the management of 4 airplanes, from among which 3 airplanes flying is by a route, finally 1 airplane a radar circle flies in MCTR. The students has to be capable of the identification of the airplanes, gives a position reports and traffic informations for the pilots and

radar vektoring on the route and the radar circle. He has to give all necessary information, which is necessary to the airport's approach, to the pilots.

The viewpoints of the assessment:

1. how many mistakes the commits the tasks in the course of execution,
2. what kind is the student's developmental path.

The summarised assessment of the listener performances

I make the next statements:

1. The those students, who the test their results were qualified as suitable on his basis the radar a right performance was provided qualitatively on simulation practices.

The a right performance was manifested in the fact that the tasks were solved by fewer mistakes qualitatively and it was attained soon it expects a result. The result of the tutorial work occurred in the student much soon.

2. The students whose performance was inappropriate likewise based on the test it was able to be accomplished the expectations, but the learning process was slower from the students with suitable classification.

The insecurity characterize the work of students with inappropriate classification the task in the course of executions. The insecurity in the recognition of the flying situations and the applicable one air traffic control a procedure appeared in his selection. A lot got into the instructors' work these insecurities his correction. This it was his reason that these students were growing more slowly. This slower development showed the qualitative difference between the students.

SUMMARY

AIRTEST V2.0 software military ATC I do not recommend it to suitability for his sole statement! I do not offer it for it because the civil and military training differs from each other significantly. The time span of the civil training shorter, than that of the military training. The military training relatively slower, but more time is left so the students air traffic control onto the forming of his competences. The more time affords the opportunity to students with inappropriate classification carrying out product development for his ATC students' competences in the test.

AIRTEST V2.0 software useful help the ATC students onto the examination of his abilities. The software can foretell from what kind of bases they start well and it, that during the training from the students what kind of development tendency expected.