QUALIFICATION STRUCTURE IN SLOVENIAN WOOD INDUSTRY COMPANIES

Authors:

Jože Kropivšek, Leon Oblak, Petra Grošelj, Anton Zupančič University of Ljubljana, Biotechnical faculty, Dept. of Wood Science and Technology, Slovenia

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Goals

- Find out what the educational structure of employees in Slovenian wood-industry is according to
 - degree of education
 - sort of education
- Find out if there are any changes in educational structure according to researches in previous years

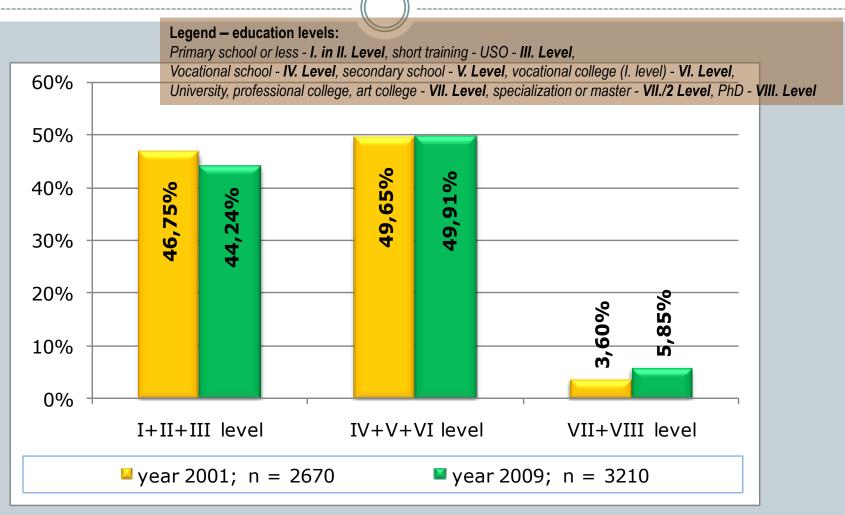
Working method

- Check the available data about staffing and qualification structure from previous years.
- Collect and analyse data about current staffing and qualification structure (with use of the method of classic questionnaire).
- Compare this data with statistic test (*Pearson x*² *test*), where we verified, if the frequencies (or percentage) from the year 2009 are in accordance with data from the year 2001.

Sampling

- Questionnaire was send to 129 Slovenian woodindustry companies
- We analyzed 15 questionnaires from wood-industry companies of all sizes. Each company filled out a questionnaire for all its employees.
- The research covered almost 17% of all population employed in Slovenian wood-industry (3210 employees)

Results



Comparison of educational structure of employees in years 2001 and 2009

Statistics

We calculated the Pearson χ^2 – statistics with formula:

$$\chi^{2} = \sum_{i=1}^{k} \frac{(f_{i} - f'_{i})^{2}}{f'_{i}} = \sum_{i=1}^{k} \frac{(p_{i}n - p'_{i}n)^{2}}{p'_{i}n} = \sum_{i=1}^{k} \frac{(p_{i} - p'_{i})^{2}n}{p'_{i}}$$

where

k marks the number of classes in distribution,

is the actual frequency of i-class,

f'_i expected frequency of i-class,

p_i actual share of i-class,

p'i expected share of i-class and

n the size of the sample.

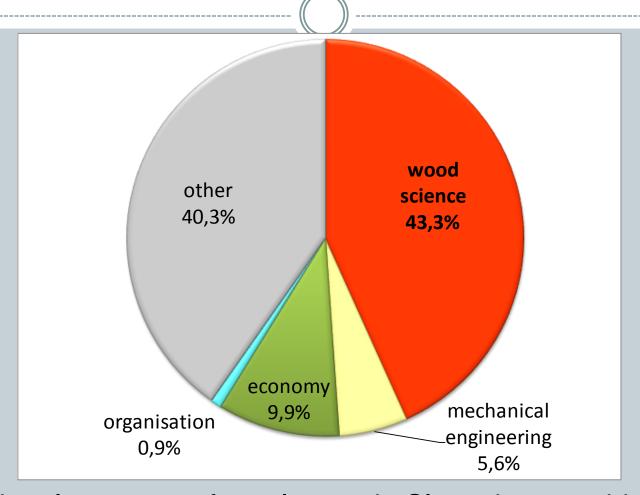
$$\chi^2 = 49,51$$

We compared it to the value of the table for χ^2 - distribution.

$$\chi_{\alpha}^{2}(k-1) = \chi_{0,05}^{2}(2) = 5,991$$

At a significance level of 0,05 we can claim, that the educational structure in Slovenian wood-industry companies has changed significantly from the year 2001 to year 2009

Results



Educational structure of employees in Slovenian wood-industry according to sort of education

Conclusion

- The educational structure in Slovenian wood-industry companies is relatively unfavorable:
 - More than 44% of the employees have I., II. or III. level of education
- The educational structure in Slovenian wood-industry companies has improved mostly due to a larger share of employees with higher education (from 3,6 to 6%).
- The only solution for long-term success is constant and goal-oriented investing in education and training of employees on all levels.

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THANK YOU VERY MUCH FOR YOUR ATTENTION!

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