Analysis of survey data on development of virtual learning environment at KWTRP

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introduction

- Due to the rising number of young researchers entering the program, the demand for training on basic statistical techniques is increasingly overwhelming to the staff.
- The internet could help counter this, in the recent development in e-learning, there are plenty of freely available materials in form of videos and problem sets on various courses.
- MOOC has added interactive discussion and forums that are helpful in delivering required skills.
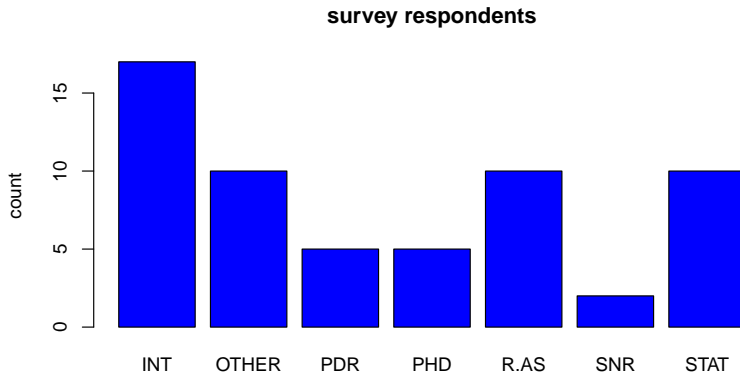
objective

To develop a statistical course in an in-house virtual learning environment (VLE) using preexisting materials from publicly available massive open online courses (MOOCs)

method

- First a survey was done on the available online materials that are efficient on statistical skills and courses that are relevant for junior scientist were recommended.

- 300 questionnaires were generated using Redcap then sent to program members to get their view on the development.

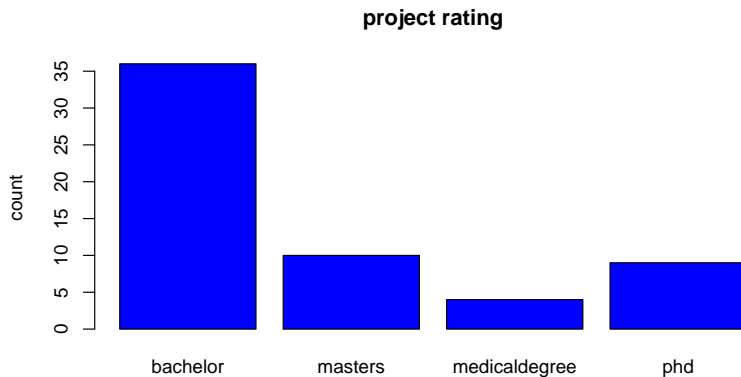- 60 questionnaires were completely answered and used for analysis.

results

survey respondents

results

- 40% have used MOOCS before.
- 53% of the program members use stata as the primary software for statistical analysis
- 95% suggest that descriptive statistics is a basic statistic topic that every researcher should be introduced to.
- 28% prefer online learning while 50% prefer face-to- face the others had no prefrences

result

project rating

conclusion

- Most program members prefer face-to-face mode of learning
- Those with bachelors degree rated the project to be useful compares to others
- Most people havent used MOOCs, those who have used it find it very useful
- Most statisticians are more proficient in descriptive statistics