

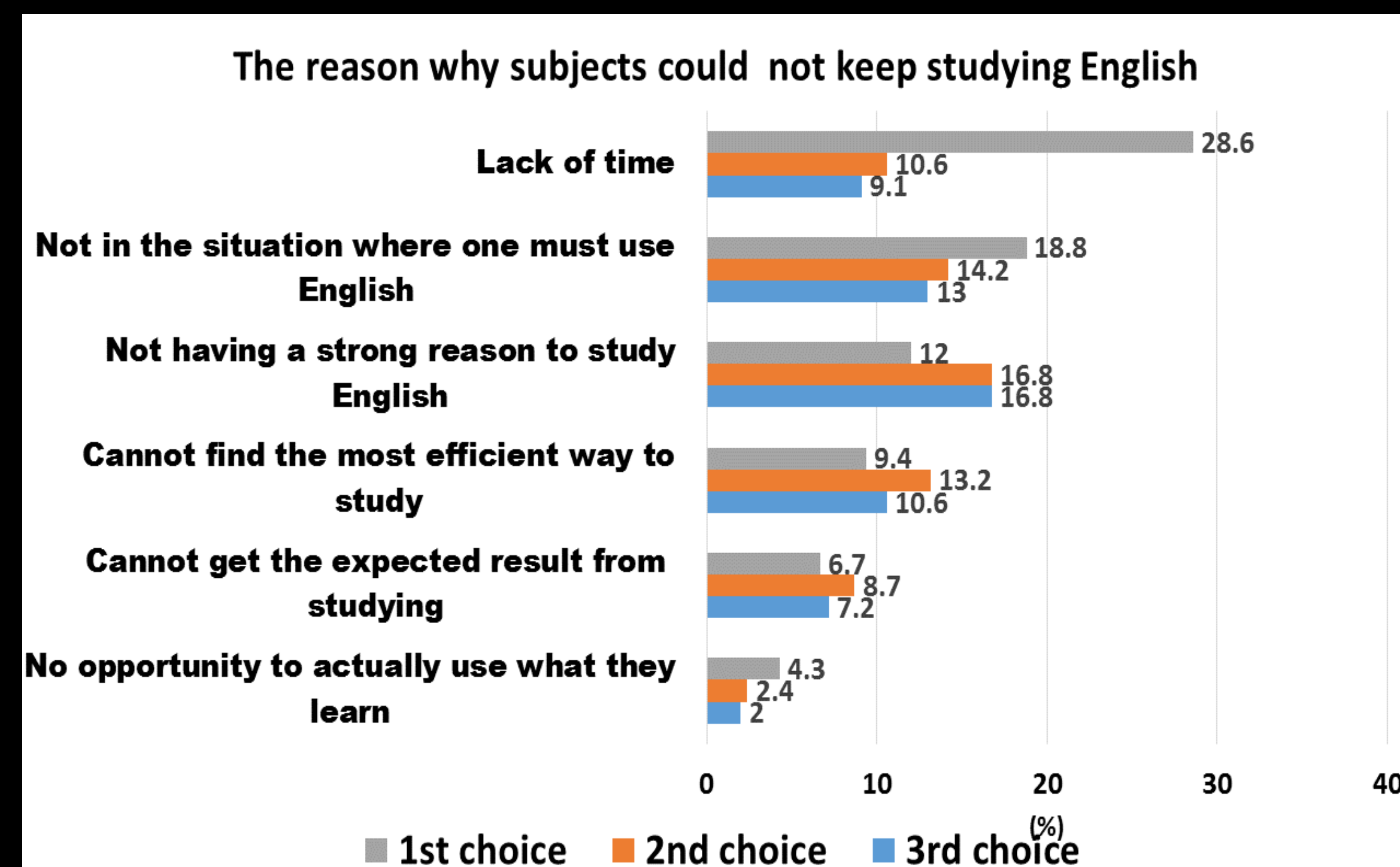
# Creating a Virtual Reality Website of Janus VR to Enhance Second Language Learning - The Effect of Immersion and Visual Learning with Oculus Rift DK2

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## Introduction



- Speaking second languages is influenced by the trade-off effect, by which unknown vocabulary or lack of schema knowledge slow down the processing of learning second languages.
- learning environments should be as immersive as possible so that learners tend not to lose their focus (Dewey, 1913)
- I created a virtual reality (VR) website with Janus VR, the VR web browser, to teach Japanese and English. This program can be accessed 24/7, is immersive as possible, and be used to build up a strong vocabulary as a schema in your brain.



<http://www.zmescience.com/other/feature-post/how-oculus-rift-could-revolutionise-social-psychology-0432/>

- The Institute for Organizational Behavior Research is run by recruit management Solutions Co. in Japan. This company conducts research in order to find the major reasons for those who had a full time job and tried to learn English, yet failed to keep studying.

## Purpose

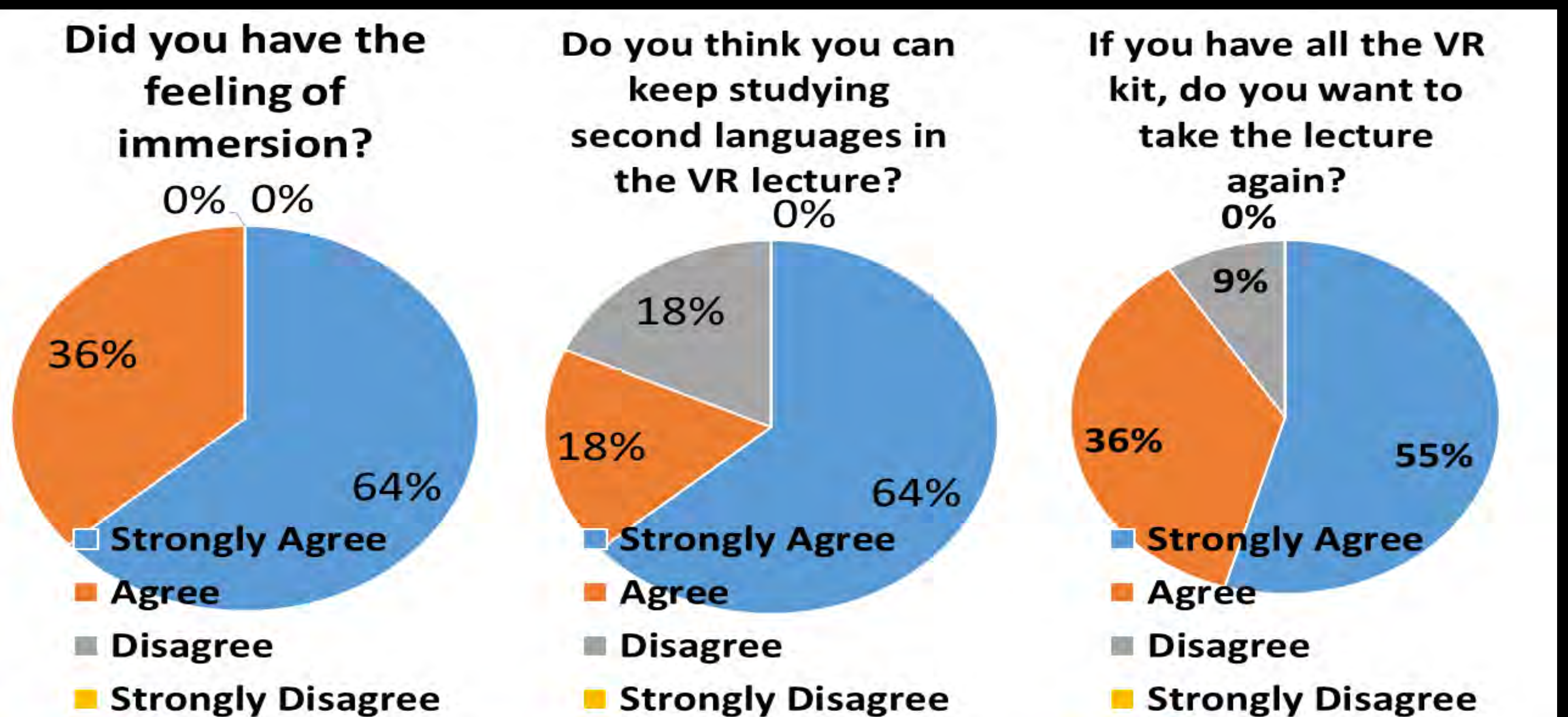
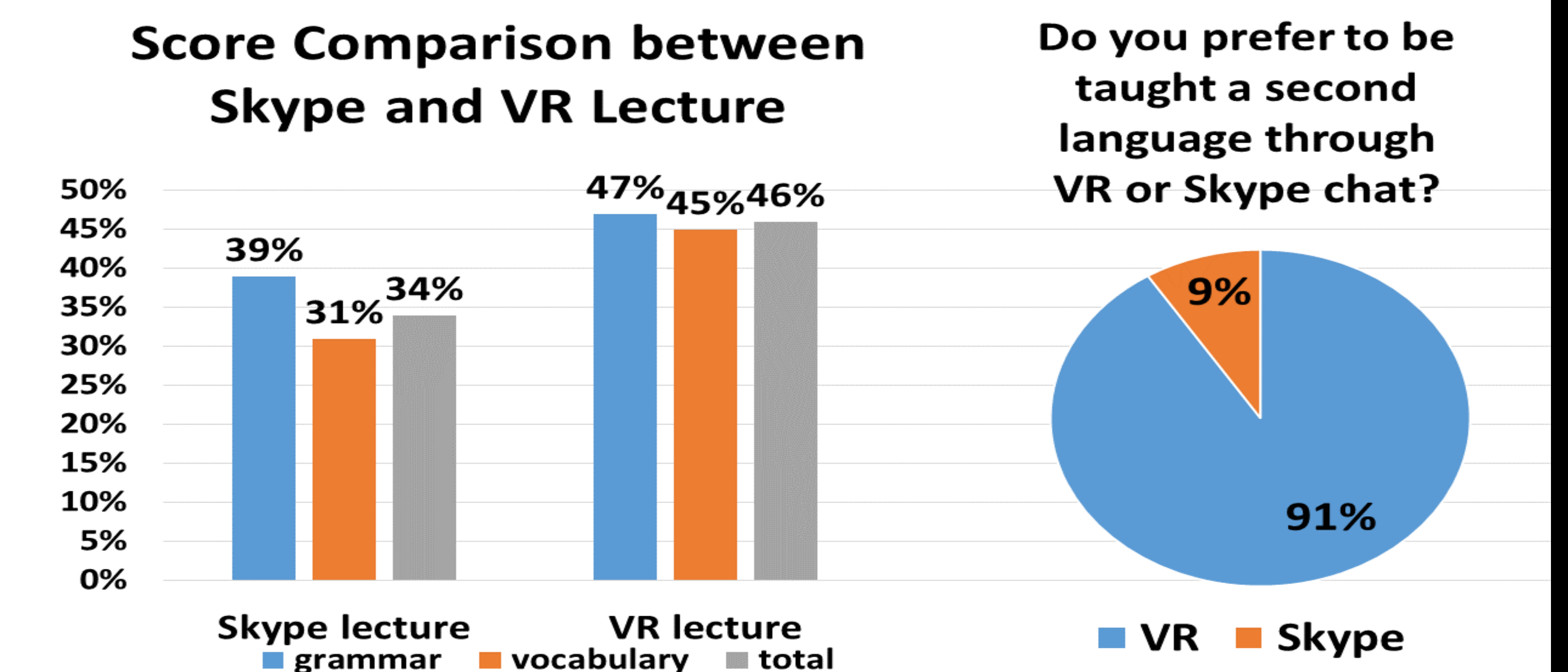
- Evaluate if the walk-in system helps one to keep studying second languages easier.
- Evaluate the correlation between the VR environment I created and the efficiency of learning second languages.

## Methods



- I picked 20 random students and gave them a Japanese lecture through Skype and one with my VR website. After each lecture, the student was interviewed for their input on the two lecture styles and had a quiz over the taught material.
- The lecture with Skype used the google slides to show Japanese grammar and vocabulary.

## Results



## Conclusions

- Since it is available any time it is convenient for continuous study.
- VR lectures facilitate memorization by connecting the contents students learn with images in VR environments.
- Teaching second languages in VR web browsers is a prospective future business, and potentially, lucrative.