

# IEEE Nagoya YP Workshop 2021 Report

IEEE Nagoya Section Young Professionals Affinity Group

## I. General Information

We, IEEE Nagoya YP, held a workshop for young researchers and engineers as follows.

[Workshop title]

データサイエンスと python での統計処理の基礎  
Basics of data science and statistical analysis with python

[Date]

18:00-19:00, December 8<sup>th</sup>, 2021

[Place]

Online (Google meets)

[Participants]

18 participants (4 IEEE members and 14 non-member)

## II. Workshop report

Komei Hasegawa, IEEE Nagoya YP member, gave a talk about data science and statistical analysis with python online (shown in Fig.1). The talk was for under graduate students who were analyzing their research data for their thesis. In the lecture, Hasegawa explained basic knowledge of data science. Then, he talked how to choose statistical test such as t-test and ANOVA by showing metro map of statistical test shown in Fig.2. Then, participants ran statistical test programs written in python on Google Colaboratory (shown in Fig.3). The participants actively discussed on text chat.

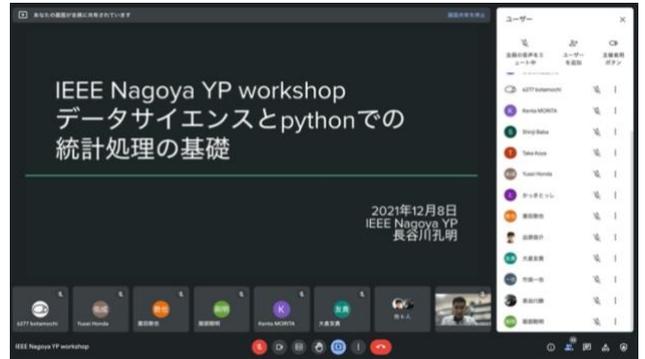


Fig. 1 google meets image during the workshop

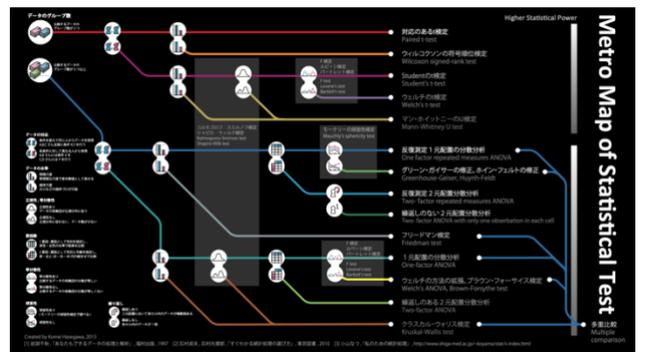


Fig. 2 Metro map of statistical test

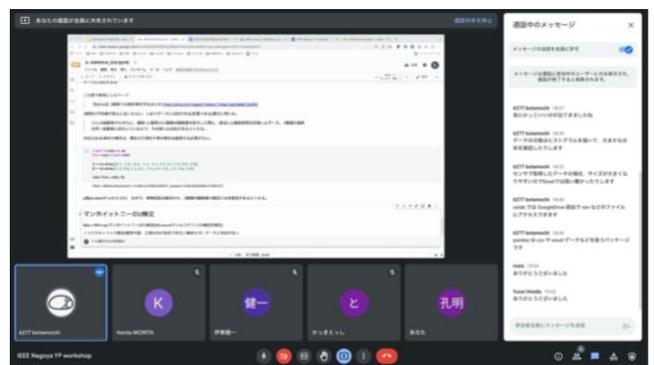


Fig. 3 python program on Google Colaboratory

### III. Questionnaire result

We conducted a questionnaire after the workshop. 9 participants answered the questionnaire. According to Fig.4, many participants were satisfied with the workshop. Before the workshop, we expected main participants are university students. In the result shown in Fig. 5, more working people, shown in green and purple, participated the workshop than we expected.

本イベントに関してどのくらい満足していますか  
9件の回答

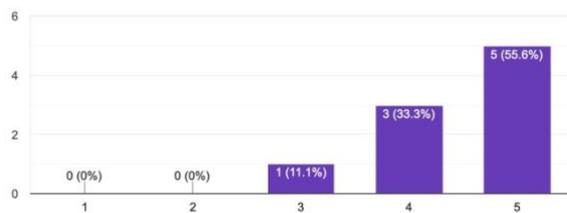


Fig. 4 How much are you satisfied with this workshop ? (1: dissatisfied to 5: satisfied )

あなたのご職業をお答えください。  
9件の回答

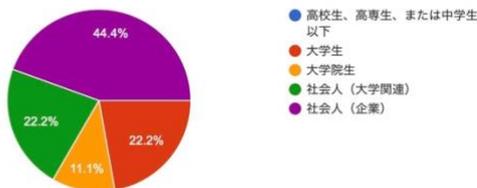


Fig. 5 What is your occupation? (red: undergrad student, orange: graduate student, green: working in academic, purple: working in company)