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 8th, 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.
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.

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

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