

# Conference Report of Why R? Turkey 2021

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**Abstract** The Why R? Turkey 2021 as a three-day online conference was organized to bring together researchers and professionals from Turkey on April 16-17-18, 2021. We hereby aimed to promote the R community in Turkey by bringing R users with different backgrounds such as genetics, sociology, finance, economy, bio-statistics. There were 8 thematic sessions and 18 invited speakers. In this article, it is aimed to describe the preparation phase, technical details, and the impact of the conference on audience.

## 1 Why R? Turkey 2021

The *Why R? Turkey 2021* is a pre-meeting of Why R? 2021 conference. Why R? conferences are international conference series organized annually by the *Why R? Foundation* since 2017. It is one of the largest annual R conferences in Central Europe (Burdukiewicz et al., 2019). In addition to the main conference, pre-meetings are held in different cities from all over the world. In 2017, four pre-meetings were organized in Poland. Thereafter, eleven pre-meetings across four different countries were held in 2018. In 2019, twelve pre-meetings took place in eight different countries. In 2020, in a pre-meeting framework, totally six organizations appeared in four different countries (Poland (2), Turkey (2), Ireland (1), and Germany (1)). Among those six pre-meetings, two of them were held in Istanbul (24.04.2020) and Ankara (27.04.2020) consecutively, as a one-day organization (Why R, 2020).



**Figure 1:** The logo of Why R? Turkey 2021.

Two primary goals of Why R ? Turkey 2021 are;

1. to bring together Turkish R users from all over the world
2. to broaden the horizon of the students with respect to the diverse disciplines

For this purpose, experienced researchers, who are R users, from various disciplines were invited to the conference as a speaker. The conference program was designed comprehensively to cover various research fields such as bio-statistics, sociology, educational sciences, psychology, molecular biology, genomics, football analytics, and economics. The detailed program is shown in Table 1.

## 2 Participants

There were 2180 registered participants, 60% were students and 40% were professionals who work for governmental institutions, companies from the private sector, and academicians from the universities in Turkey. With regards to the education level of the student participants, 50% of them was graduate and rest was undergraduate students. 60% of the students study Statistics. The number of unique participants for the conference is 880. Additionally, the share of each thematic session is counted as 540, 435, 380, 355, 390, 360, respectively. The whole event was organized and moderated by the organization committee including 6 members.

Most of the participants were registered from İstanbul, Ankara, and İzmir, respectively. In the conference, we had participants from 73 provinces out of 81 provinces in Turkey. The distribution of registered participants by provinces is illustrated in Figure 2.



**Figure 2:** The Distribution of Participants by Provinces

In addition to Turkey, we had participants from the USA, England, Belgium, Sweden, Switzerland, Qatar, Nederland, Italy, France, and Spain. In that respect, the conference was successful to bring Turkish R users from different countries as well.

### 3 Conference Program

The detailed conference program, shown in Table 1, consists of 6 main sessions over three days. For each speaker, there were 30 minutes to complete his/her presentation and thereafter the participants are guided to the breakout rooms in the Zoom platform for Q&A session with the speaker.

### 4 Promotion of the Event and Reactions

The social media channels (Instagram, Twitter, Facebook and, LinkedIn) were used for the promotion of the conference. Conference social media accounts were created to conduct the promotion except LinkedIn. Organization committee members' personal LinkedIn accounts were preferred to promote the event.

Instagram ads were used to reach out bigger audience. Advertisements went live two weeks before starting date of the conference and finished 4 days before the conference started. At the end of this period, we obtained more than 500 followers most of whom are young adults as shown in Figure 3. Besides, the Instagram account of the conference was visited more than 2.000 times during the advertisement period.

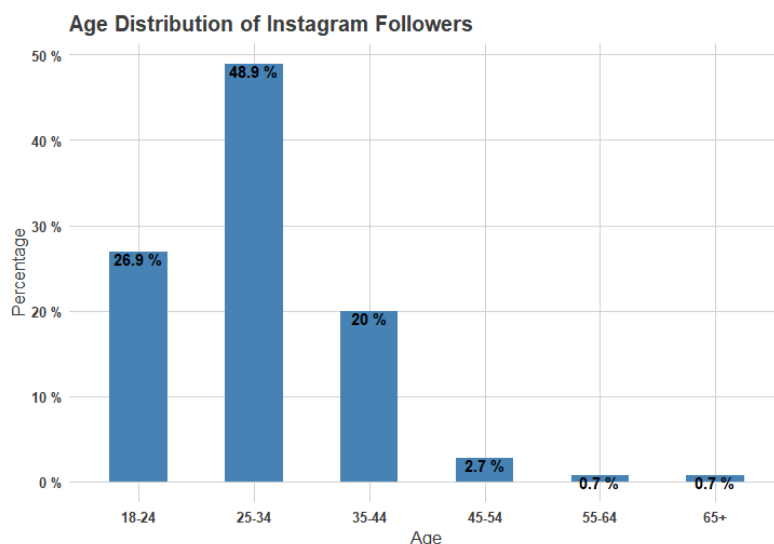
In addition to Instagram, Twitter was also used efficiently for the promotion. The Twitter account for this event was created in January, but the posts started to be shared at the end of February. To reach R users, all contents were posted using the #Rstats hashtag. As of May 8, the Twitter account of the conference was visited by more than 18000 users, and tweets were viewed more than 174000 times.

According to our calendar, we started to share our posts once a week on Twitter. Although post frequency was lower at the beginning, the number of followers reached over three hundreds quickly. However, the account gained the highest number of followers in April. (Figure 4).

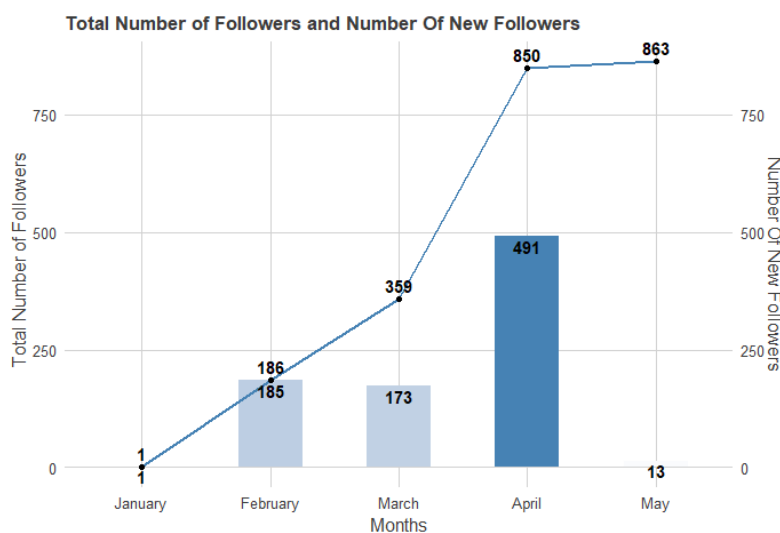
Thus, visits and view statistics of the Twitter account show that Twitter was the most efficient platform to reach R users.

### 5 Technical Solutions

The official website was developed and used as the primary information source for the conference. The website was hosted on [Why R? Foundation's domain](#). This allowed us to be more visible on Google Search. The abstract book was prepared using the bookdown R package and was served via the website.



**Figure 3:** Age Distribution of Instagram Followers



**Figure 4:** Evolution of the number of followers of the WhyR? Turkey 2021 Twitter Account

Instant updates in terms of program, speakers, program, schedule, were shared with the audience via Instagram, and Twitter accounts, dedicated to the conference. Twitter and Instagram account caught the attention of people interested in participating in the conference very quickly.

Google Forms was preferred for registration purposes and used as a contact form. Hyperlinks to the registration form and contact form were added to the website. During registration, participants were asked to answer questions regarding their professional background, education level, R knowledge. Thanks to this, we had a chance to better understand participants' profiles.

All speeches were streamed on Zoom. Premium zoom account was purchased to be able to have 1000 participants online at the same time. Separate zoom meetings were set for each session. After each talk, dedicated breakout rooms were created and Q&A sessions were conducted in breakout rooms. This allowed the audience to have more interaction with speakers. The cost of the Zoom account was covered by the funding received from Why R? Foundation and R Consortium. URLs for the recordings, as well as slide decks and R scripts used by speakers during presentations, shared publicly on the [GitHub repository](#) of the conference.

## 6 Summary

The three-day online conference of Why R? Turkey 2021 aimed to bring R users from different fields and make a connection between the Turkish R users and possible future users from various disciplines. In that respect, the attained total number of participants, the fruitful Q&A sessions and the overall positive attitudes from all speakers/participants revealed that the meeting reached its main objective. To sum up, Why R? Turkey 2021 is the best comprehensive online meeting held for Turkish R users and it promises both national and international organizations in the near future.

## 7 Acknowledgment

We would like to thank all the sponsors that support the organization of Why R? Turkey 2021: [Why R? Foundation](#), [R Consortium](#), and [StickerMule](#).

## 8 Additional Information

Further information about Why R? Turkey 2021 and the contributions presented during the conference can be found at the following links:

- Website: <http://whyr.pl/2021/turkey/>
- Twitter: <https://twitter.com/whyr2021turkey>
- YouTube Channel: <https://www.youtube.com/channel/UCr8qT7gK9WQZjCNz7Agi7sA>
- Materials: <https://github.com/whyr2021turkey>
- Abstract Book: [http://whyr.pl/2021/turkey/abstract\\_book/](http://whyr.pl/2021/turkey/abstract_book/)

## Bibliography

M. Burdukiewicz, F. Pietluch, J. Chilimoniuk, K. Sidorczuk, D. Rafacz, L. Jessen, S. Rödiger, M. Kosinski, and P. Wojcik. Conference report: Why r? 2019. *R Journal*, 12(1):484–493, 2019. URL <https://doi.org/10.1080/10618600.1996.10474713>. [p648]

F. Why R. 2020. URL <http://whyr.pl/foundation/events/#2020>. [p648]

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Session	Speaker	Title
1	Gökmen Zararsız	Using R in Medicine and Diagnostic Domains: The Case of the Alzheimer Project
	Dinçer Göksülük	BioSoft: A cloud-based platform for Biostatistics/Bioinformatics softwares developed using R programming language
	Erdal Coşgun	Genetic research on cloud-based systems: The Bioconductor experience
2	Tuba Bircan	R for whom?
	Gökhan Kaya	Data Analysis and using theory in R for sociological researches: Opportunities and challenges
	Dilek Yıldız	Using R in demography
	Ali O. İlhan	R and bibliometric analysis: a brief introduction
3	Kadir Kızılkaya	Using R for animal breeding and genomic selection
	Hilal Özkılınç	Using R in genomics studies
	Burcu Mestav	Using R in aquaculture and ecology
4	Mehmet Can Demir	Research studies in educational science using R
	Kübra Atalay Kabasakal	R packages for educational science
	Eren Halil Özberk	Using R in psychology
5	Yeşim Güney	Structural Breakpoints in Turkey COVID-19 data
	İpek Güler	R packages for joint modeling of survival and recurrent data
	Emre Toros	Soccer, data, why, how, and R
6	Burak Saltoğlu	Behavioral financial analysis by using R
	Ahmet Akgül	Regression analysis in R: house price prediction model for Istanbul
	Ayhan Yüksel	Algorithmic trade using R

**Table 1:** Program of the Why R? Turkey 2021