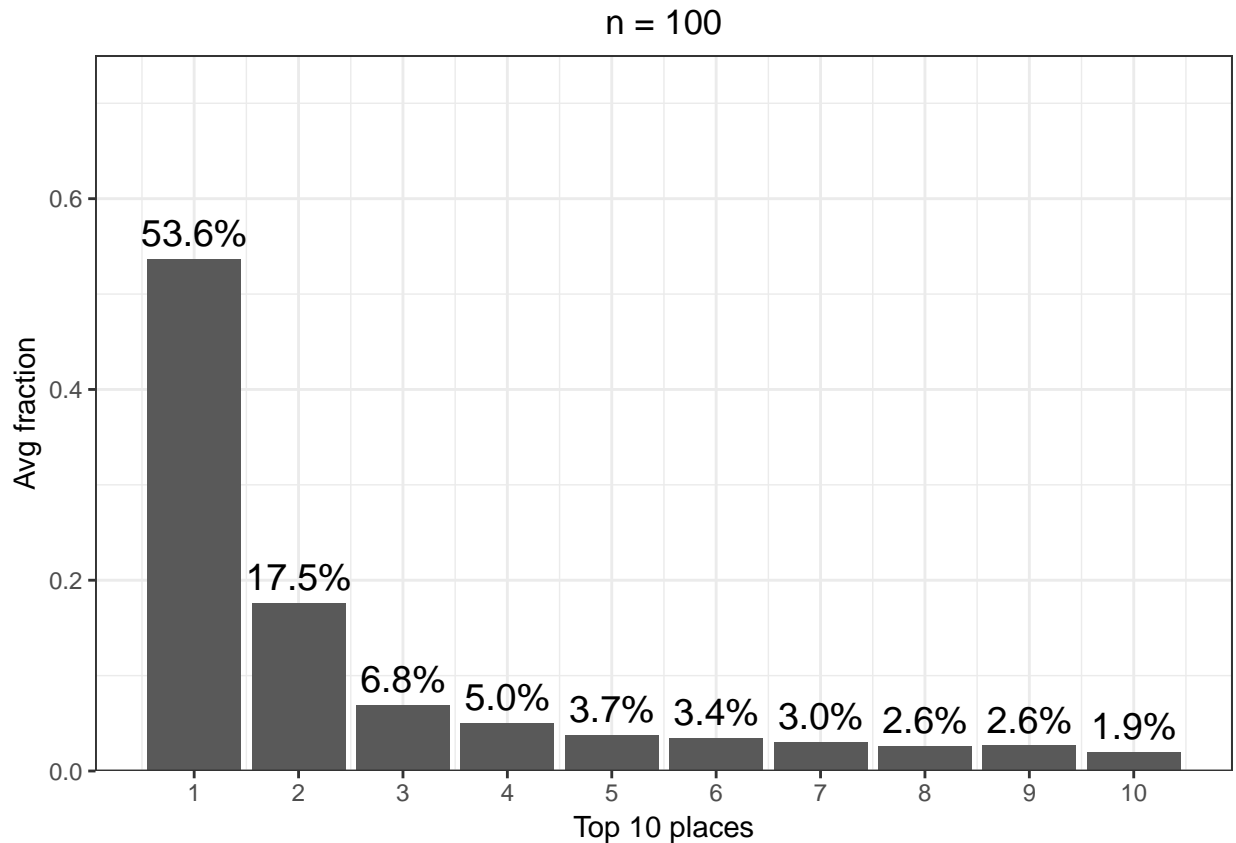


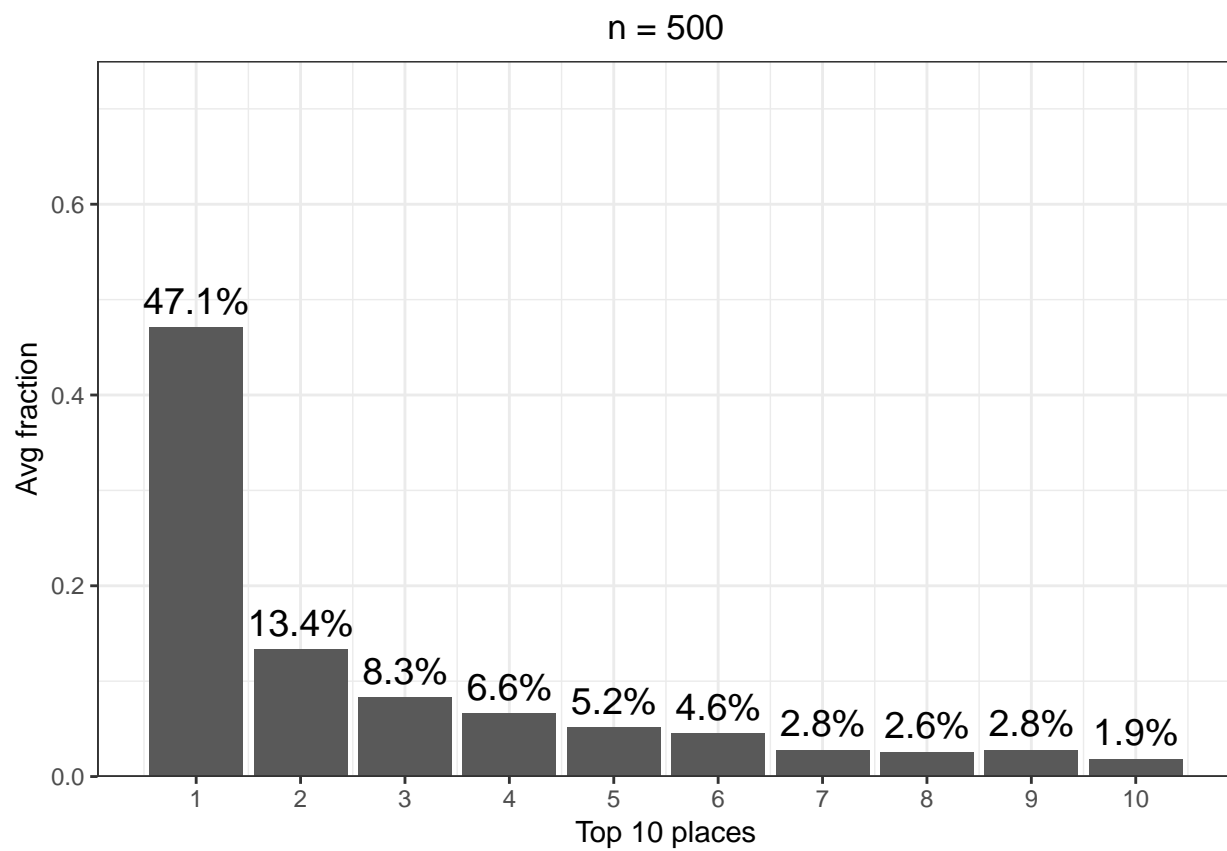
## Report

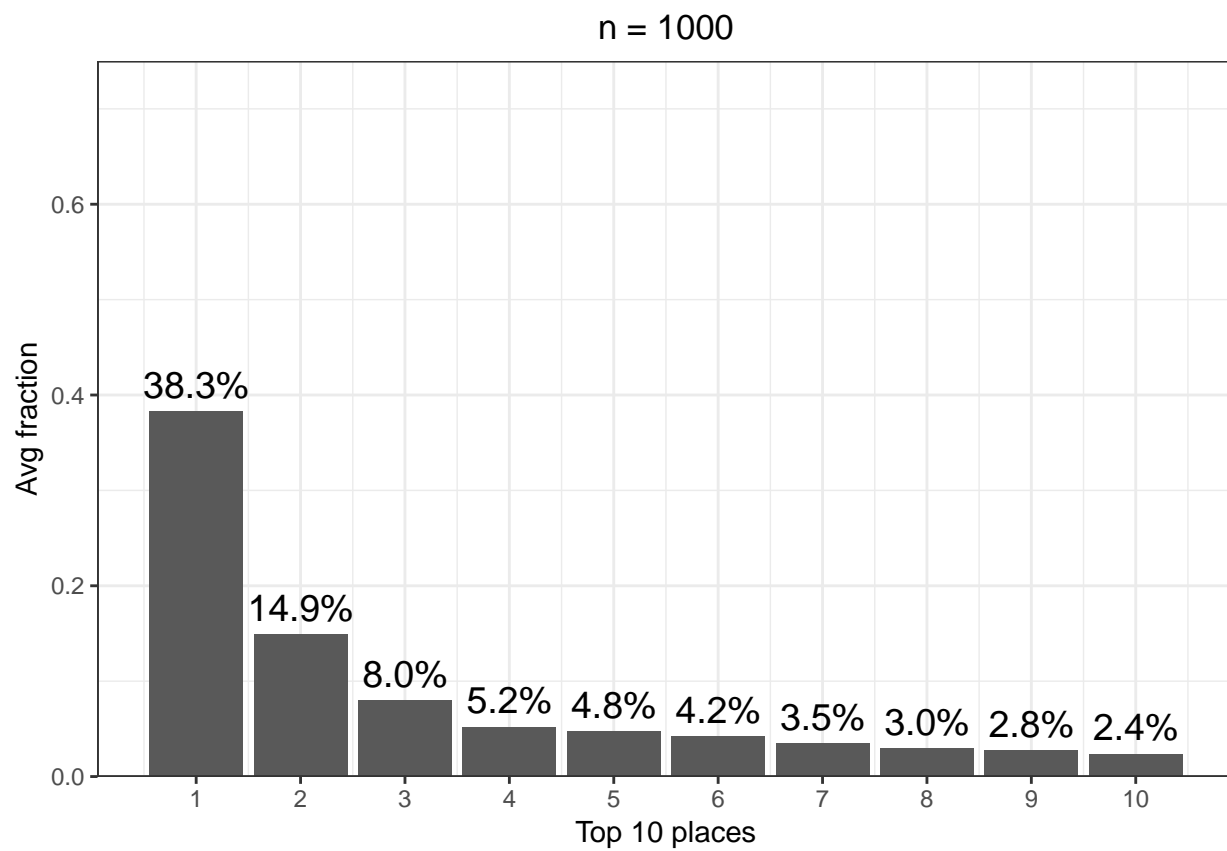
In our experiment we measured how the amount of actors in database affects the outcome - we wanted to test if the amount of the actors shown to one person changes when we increase/decrease the set of actors. We tested it by performing an experiment - we asked a group of people to use our app in a specific way, every person was asked to use it 7 times, each time with different amount of actors (the values being 100, 500, 1000, 5000, 10000, 15000, all), every iteration consisted of the following steps:

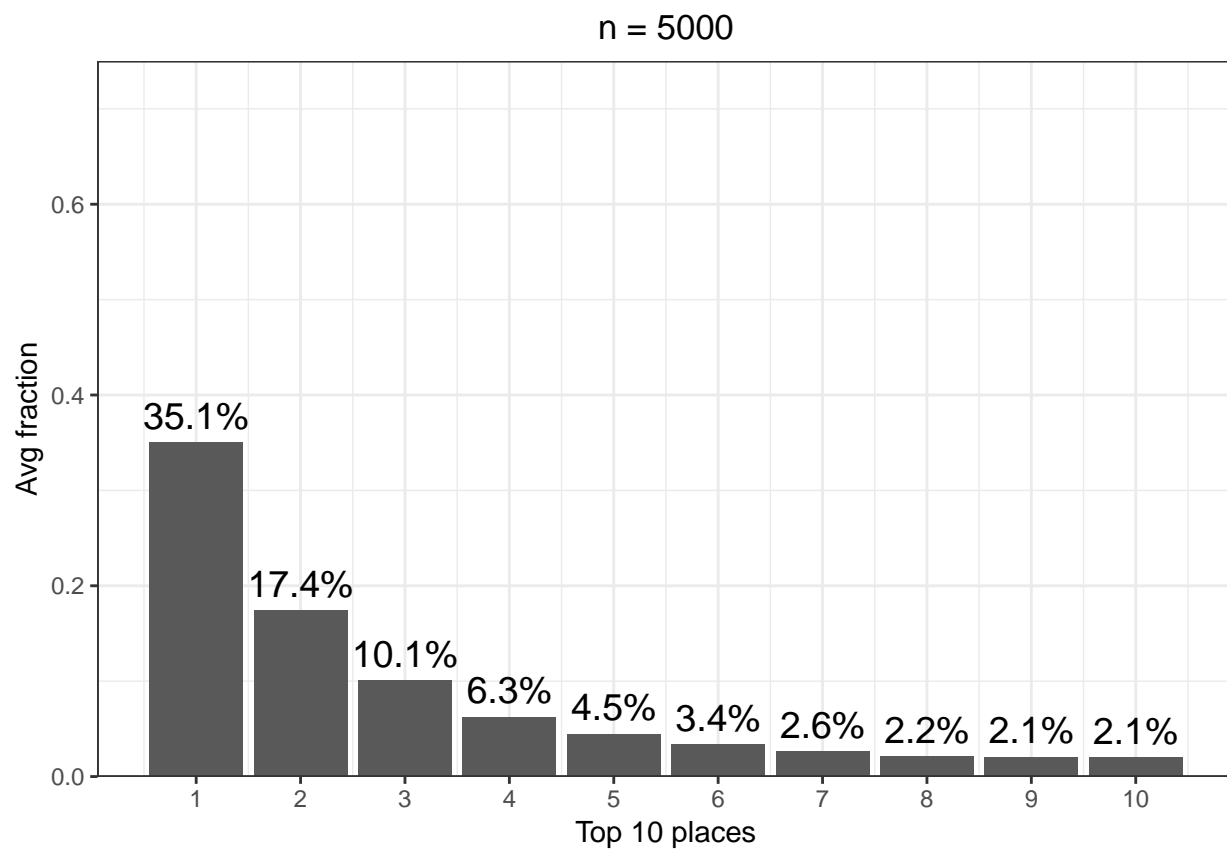
- set the proper number of actors
- sit in front of the camera for about 3 minutes
- send the top 10 actors from the right panel
- resets the site and changes the number

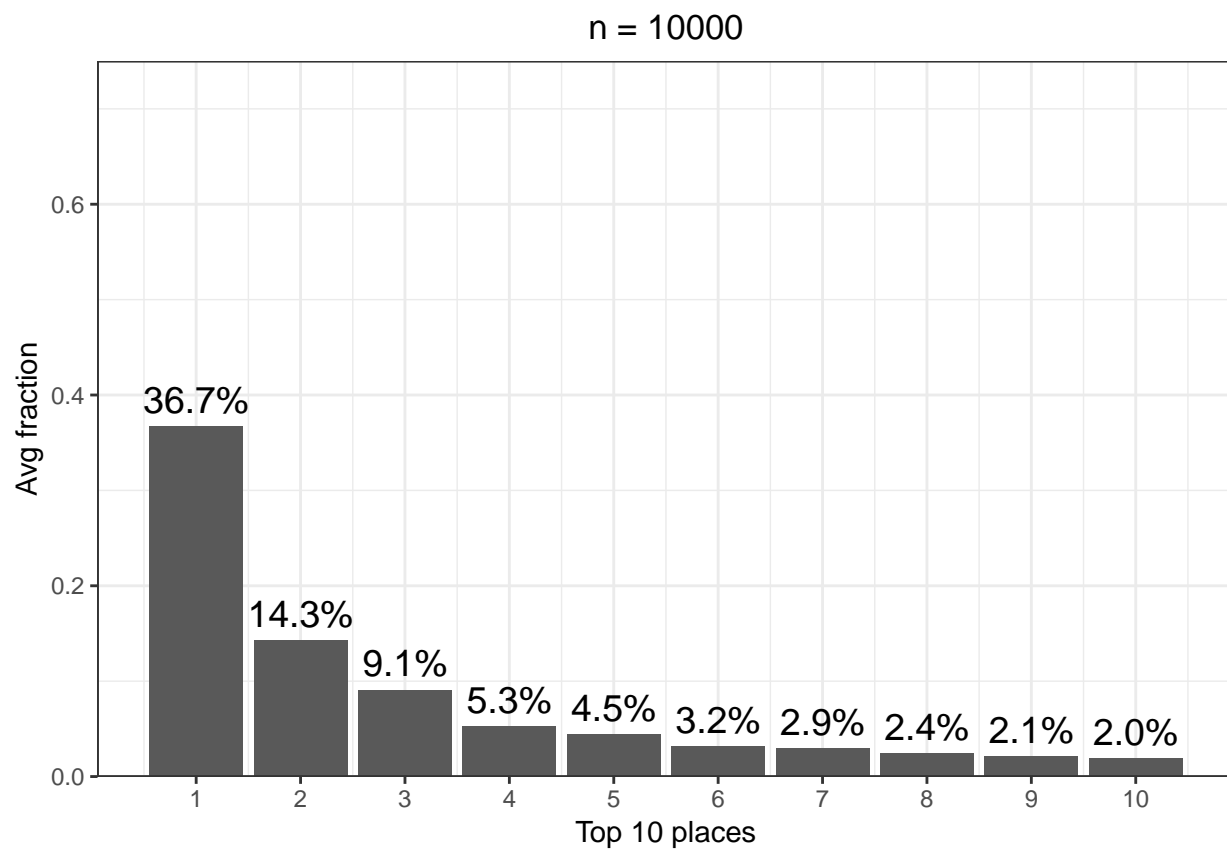
The top 10 actors is the set of 10 actors that appeared the most during the test. This will allow us to group the tests by number of actors, take means and see if there are any changes. Below will be 7 plots - each one for each number of actors. On the x axis there's place in top 10 (first place means this actors appeared the most), on the y axis there's mean fraction of appearances.

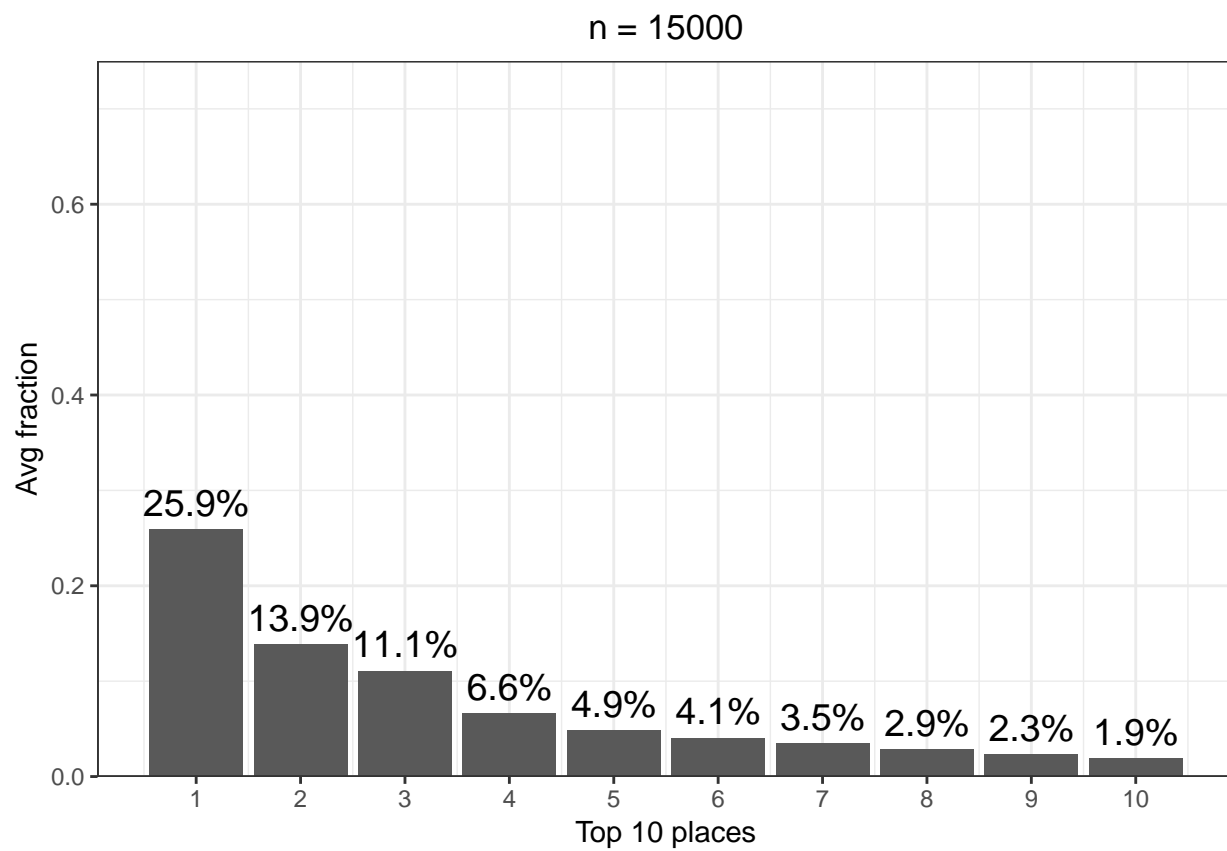


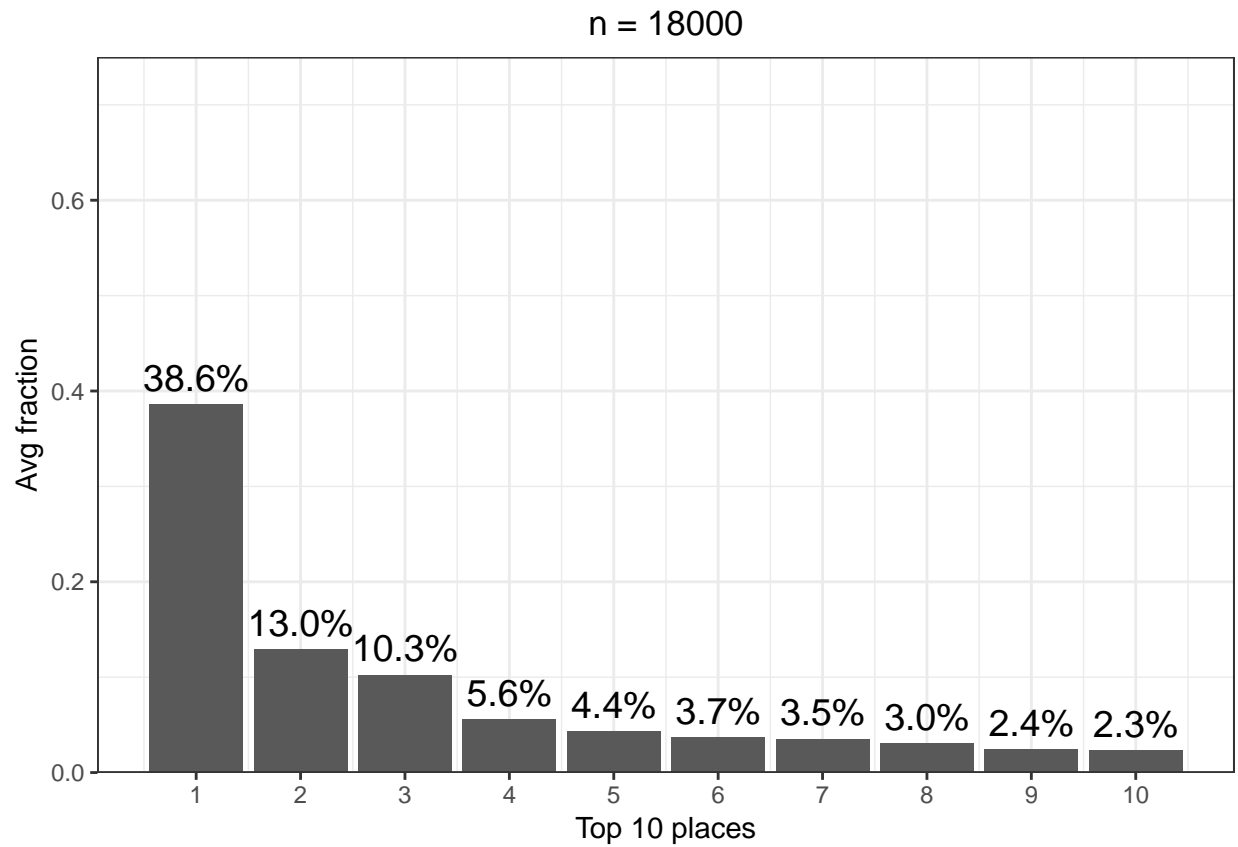












As we can see the more actors we choose the less stable the app is.