Running basic analyses on Pilot Data

by Daniela Gawehns and Matthijs van Leeuwen

Abstract Supplementary Material to "Social Fluidity in Children's Face-to Face Interaction Networks"

```
library(ggplot2)
```

Data Cleaning and Exporting as .txt file

The pilot data is included in the package and is formatted into .txt files with the help of a couple of functions.

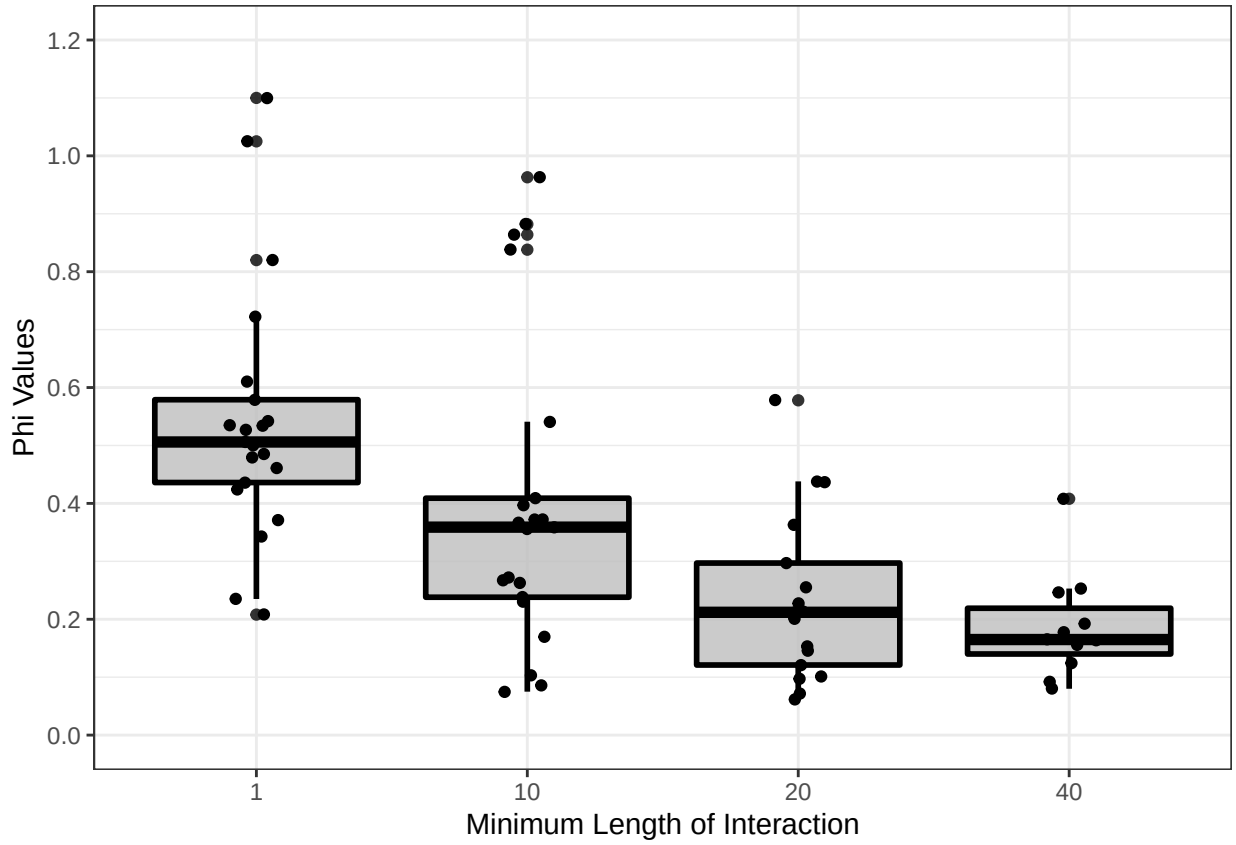
```
#> [1] "PilotBeagle"

#> The following `from` values were not present in `x`: 2041538831

#> The following `from` values were not present in `x`: 1734935407

#> [1] 1
#> [1] 2
#> [1] 3

#> [1] "PilotBeagle"

#> The following `from` values were not present in `x`: 2041538831
#> The following `from` values were not present in `x`: 1734935407

#> [1] 1
#> [1] 2
#> [1] 3

#> [1] "PilotBeagle"

#> The following `from` values were not present in `x`: 2041538831
#> The following `from` values were not present in `x`: 1734935407

#> [1] 1
#> [1] 2
#> [1] 3
```

The created .txt files can be used within the jupyter notebook to estimate phi and get an overview of several network metrics.

We cannot share the raw data of the data collection with children. We can however share the derived phi values without a mention of classrooms, schools or time of the day or time of data collection.

Use processed data to create plots

Create plots with phi values, as in Fig. 4 of the GEM Paper, showing the spread of ϕ values.



Daniela Gawehns
Liacs Leiden University
line 1
line 2
https://journal.r-project.org
ORCiD: 0000-0002-9079-593X
author1@work

Matthijs van Leeuwen
Liacs Leiden University
Niels Bohr Weg 1
Leiden, Netherlands
Affiliation 2
line 1 affiliation 2
line 2 affiliation 2
https://journal.r-project.org
ORCiD: 0000-0002-9079-593X
author2@work