What is BigSEM?

BigSEM is a collection of software programs for conducting SEM analysis with new types of data such as network data and text data.

- How to install BigSEM?

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BigSEM can be used either locally as R packages or online using our web app.

R Package

We have two R packages in the development stage that can now be installed from GitHub. The packages will be available on CRAN soon. The R package networksem can be used for SEM network analysis and the package TextSEM can be used for text analysis.

```
## Install the package for network analysis
remotes::install_github("iasnobmatsu/networksem")


## Install the package for text analysis
remotes::install_github("Stan7s/TextSEM")
```

Web App

To use our web app, go to the website at https://bigsem.psychstat.org/app. Note that you will be prompted to log in as a user. If you don't have an account, you can register one for free.

BIGSEM

Login

Username	

Password	

Remember ☑

login

BigSEM   About

Once logging in our web app, one can create a project and start to conduct the analysis. Note that we manage projects as files. One can upload, create, and delete files within the app.

Project: SEM-text

[Path Diagram] [Diagram It] [Upload Files] [New File]

	File name	Operations	File Actions	File size	Time
☐	text-reg.diag.est.out		Edit | View | Delete | Download | Rename | History	634 B	2023.05.07 21:09:40.
☐	text-reg.sem.out		Edit | View | Delete | Download | Rename | History	4.45 KB	2023.05.07 21:09:40.
☐	text-reg.diag		Edit | View | Delete | Download | Rename | History	1.56 KB	2023.05.07 21:08:44.
☐	text-reg.sem		Edit | View | Delete | Download | Rename | History	219 B	2023.05.07 21:08:44.
☐	setdata.csv	Analysis	Edit | View | Delete | Download | Rename | History	9.16 MB	2023.05.07 20:27:10.
☐	holzing.txt.csv	Analysis	Edit | View | Delete | Download | Rename | History	13.56 KB	2023.05.07 20:24:53.
☐	holzing.txt	To CSV	Edit | View | Delete | Download | Rename | History	13.7 KB	2023.05.07 20:24:47.
☐	cf_wechat.csv	Analysis	Edit | View | Delete | Download | Rename | History	53.81 KB	2023.05.07 20:22:23.
☐	activeDL.csv	Analysis	Edit | View | Delete | Download | Rename | History	31.3 KB	2023.05.07 20:05:19.
☐	test.csv	Analysis	Edit | View | Delete | Download | Rename | History	38.17 KB	2023.05.07 19:56:33.
☐	prof1000.original.csv	Analysis	Edit | View | Delete | Download | Rename | History	11.02 MB	2023.05.07 17:58:43.

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