

Power Grid Data Extraction

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August 23, 2017

In order to extract power grid data from IEEE common data sheets and import them into Gephi, follow these steps:

1. Open the IEEE common data using a text editor (textedit on mac). Copy all values under the "Branch Data" heading.
2. Paste in excel, then in order to separate the columns go to data->text to columns... check the tab, space, and comma boxes. Delete every column except the first two, and save the spreadsheet as a csv file.
3. Open R, set the directory to the one which has your csv file, and use the csv_to_graphml to convert your file to graphml format. Make sure to type your file name exactly as it appears in your directory.
4. Open the graphml file which has been exported to your directory in GEPHI. Be sure to import it as an undirected graph.