SWT Database Schema

Terminology
main publication: all publications that reference Granovetter (1972) directly
main author: all scholars that reference Granovetter (1972) directly
author_id: a unique identifier of the author. Web of Science does not provide such unique identifiers. We have constructed a unique identifier for each main author by matching their initials, last name and publications. In the table 'author', this name of this variable/column is 'id'.

Dataformat
This is a backup of a PostgreSQL database. You can access it by restoring the database from this .backup file.

Raw data from Web of Science

Table articlebasics: holds metadata on all articles, such as title, doi, publisher, year, abstract, id (unique wos identifier) etc.

Table articlecitesarticle: holds data on which article cites which other publication. Note that this table also contains references that are to publications that are not main publications, thus that are not referencing Granovetter (1972).

Table articlehasauthor: holds the link between articles and authors. Each row gives the author unique identifier and the article unique identifier.

Table articlekeywords: holds the keywords of the article, as defined by the authors

Table articleresareas: holds the research area's of the article, as defined by the Web of Science

Table articlewoscat: holds the Web of Science categories of the article

Table author holds metadata on authors, name and id.

Table mainarticles: holds the metadata on the mainarticles, id title and the year of publication

Derivative data

Table authorresareas: holds metadata on the research areas the author has published in, only for his publications referencing Granovetter (1972)

Table citing: holds the references from articles to other articles. Note that this table contains all references, also to other articles that are not referencing Granovetter (1972)

Table coauthors: holds metadata on who co-author with whom, for all main publications

Table coauthors_firstpublication: holds metadata on co-authors for authors first publication referencing Granovetter (1972)

Table edges_firstpublication_full: holds the edges in the diffusion network, based on authors first publication referencing Granovetter (1972). This table also contains details on the articles that this edge is based on (fromarticleid, toarticleid)

Table helptable: this table holds metadata of search results given by Web of Science for a particular author. This data is used to construct unique identifiers for all the authors

Table mainauthors: holds the metadata on the mainauthors, those referencing Granovetter (1972), id, name, year and id of their first publication referencing Granovetter (1972)

Table mainciting: holds the references from articles to other articles. This table contains only references to other articles that are also referencing Granovetter (1972)

Table nodes: holds to nodes, authors, of the diffusion network, also containing their top 3 research areas