Description of Supplementary Material

Manuscript: Geopolitical risk and global banking network

Keywords: Geopolitical risk; Global banking network; Connectedness; Systemic risk; Russia-Ukraine conflict

The attachment, “Code and Empirical data.zip”, contains codes of the methodology and empirical data in the manuscript entitled “Geopolitical risk and global banking network”. The brief description of the codes and empirical data is shown in the following table:

Table 1
Description of codes and empirical data. Note that the description of the empirical data employed in this paper is detailed in the manuscript.

Folder	Path/File	Description
Empirical data	GBN_Price_Daily.xlsx	Daily market data for sample banks, including opening, closing, high and low prices. The global banking data set (market data and book data) on which this article is based was provided by Datastream of Refinitiv. Therefore, we only provide the data of some banks as examples in the supplementary materials. The full sample bank dataset will be shared on request to the corresponding author with permission of Datastream of Refinitiv.
	data1.dta	The regression analysis data set in Section 4.1.
	data2.dta	The regression analysis data set in Section 4.2.
	data3.dta	The regression analysis data set in Section 4.3.
Code	~\Network Analysis\Network Construction\Spillover Network_maincode.R	The main function of the methodology in the manuscript. The R file contains the network construction and network analysis of the global banking network in this paper, including static analysis of the full sample, dynamic analysis of rolling sample and recursive analysis of special events. The local path needs to be set before executing the R file.
	~\Network Analysis\Visualization.m	The main function for visualization and empirical results in the manuscript. The local path needs to be set before executing the M file.
	The other txt, xlsx, and csv files	The other txt, xlsx, csv files are the data files that the code needs to load on.