Web of Power:

How Elite Networks Shaped War and Politics in China

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October 2022

CODEBOOK

Software: Stata/MP 16.0

THREE FOLDERS

Data	Datasets (Software: Stata/MP 16.0)
Program	Program (Dofiles using Software: Stata/MP 16.0)
Results	Folder for tables and figures in the main text (and online appendix)

1: Data and Codes for Replication [Under the folder "Replication\"]

Folders			Tables and Figures	
Data	**Program**	**Results**	**Main text and online appendix**	
HunanCntyYr.dta NationalCntyYr	Table_1.do	Table_1.xlsx	Table 1	Summary Statistics
HunanCntyYr.dta	Table_2.do	Table_2.doc	Table 2	The Impact of Elite Connections on Soldier Deaths: DD Estimates
HunanCntyYr.dta HunanSurname.dta	Table_3.do	Table_3.doc	Table 3	The Impact of Elite Connections on Soldier Deaths: Types of Links
HunanCntyYr.dta	Table_4.do	Table_4.doc	Table 4	The Impact of Elite Connections on Soldier Deaths: Placebo Networks
NationalCntyYr.dta	Table_5.do	Table_5.doc	Table 5	The Impact of Elite Connections on Elite Power: DD and DDD Estimates
NationalCntyYr.dta	Table_6.do	Table_6.doc	Table 6	The Power Effect: Role of Soldier Deaths
HunanCntyYr.dta	Figure_3.do	Figure_3.png	Figure 3	Motivational Evidence on Elite Networks and Soldier Deaths: Raw Data
HunanCntyYr.dta	Figure_4.do	Figure_4.png	Figure 4	The Impact of Elite Connections on Soldier Deaths: Year-by-Year Estimates
NationalCntyYr.dta	Figure_5.do	Figure_5.png	Figure 5	Motivational Evidence for the Power Effect: National-level Offices by Connection-Province
NationalCntyYr.dta	Figure_6.do	Figure_6.png	Figure 6	The Dynamics Impacts of Elite Network on National-level Offices
EG_Index.dta	Figure_7.do	Figure_7.png	Figure 7	National-level Power Distribution and the Contribution of Elite Networks
ProvGovernors.dta	Figure_8.do	Figure_8.png	Figure 8	The Share of Provincial Officials from Connected Counties in Hunan
NationalCntyYr.dta	AppendixTable_A3.do	AppendixTable_A3.doc	Table A3	Elite Connections and Other Characteristics cross Counties
OfficialYear.dta	AppendixFigure_A5.do	AppendixFigure_A5.doc	Figure A5	Number of National-level Offices and Officials Over Time
HunanCntyYr.dta	AppendixTable_B1_I.do	AppendixTable_B1_I.doc	Table B1.I	The Impact of Elite Connections on Soldier Deaths: Checking Outliers

HunanCntyYr.dta	AppendixTable_B1_II.do	AppendixTable_B1_II.doc	Table B1.II	The Impact of Elite Connections on Soldier Deaths: Inverse Hyperbolic Sine
HunanCntyYr.dta	AppendixTable_B1_III.do	AppendixTable_B1_III.doc	Table B1.III	The Impact of Elite Connections on Soldier Deaths: Spatial Clustering S.E.
HunanCntyYr.dta	AppendixTable_B1_IV.do	AppendixTable_B1_IV.doc	Table B1.IV	The Impact of Elite Connections on Soldier Deaths: Controls X Year FE
HunanCntyYr.dta	AppendixTable_B2.do	AppendixTable_B2.doc	Table B2	Yearly Effects of Elite Connections
HunanCntyYr.dta	AppendixTable_B4.do	AppendixTable_B4.doc	Table B4	The Impact of Elite Connections on Soldier Deaths: Controlling for Physical Distance to Zeng
HunanCntyYr.dta	AppendixTable_B5_I.do	AppendixTable_B5_I.doc	Table B5_I	Elite Networks and Data Missing
HunanCntyYr.dta	AppendixTable_B5_II.do	AppendixTable_B5_II.doc	Table B5_II	The Impact of Elite Connections on Soldier Deaths: Degree-Holders vs. Commoners
HunanCntyYr.dta HunanBattleField.dta	AppendixTable_B6_I.do	AppendixTable_B6_I.doc	Table B6_I	What Does the Number of Soldier Deaths Measure?
ThreeRivers.dta	AppendixTable_B6_II.do	AppendixTable_B6_II.doc	Table B6_II	The Battle of Three Rivers vs. Other Battles in 1858
NationalCntyYr.dta	AppendixFigure_C1.do	AppendixFigure_C1.png	Figure C1	Understanding the Fluctuation of the Power Impact
NationalCntyYr.dta	AppendixTable_C2.do	AppendixTable_C2.doc	Table C2	The Impact of Elite Networks on Elite Power: Inside and Outside the Network
NationalCntyYr.dta	AppendixTable_C3.do	AppendixTable_C3.doc	Table C3	The Impact of Elite Networks on Exam Quotas and Numbers of Jinshi
NationalCntyYr.dta	AppendixTable_C4.do	AppendixTable_C4.doc	Table C4	The Impact of Elite Networks on Elite Power: Observation of Zeros in Our Data on National-level Offices
NationalCntyYr.dta	AppendixTable_C5.do	AppendixTable_C5.doc	Table C5	The Impact of Elite Networks on Elite Power: Varying Comparison Provinces
NationalCntyYr.dta	AppendixTable_C6.do	AppendixTable_C6.doc	Table C6	The Impact of Elite Networks on Elite Power: Controlling for Placebo Networks
EG_Index.dta	AppendixTable_C7.do	AppendixTable_C7.xlsx	Table C7	The Changes in Power Distribution by Decade

Notes:

(1) The do-files listed in the second column can use the data files in the first column to produce the files in the third column, based on which we generate the tables and figures in the main text and online appendix (the fourth column). To run those do-files, please change the directory to "**\Replication**".

(2) **Program\All_in_One.do** can produce all tables and figures in the order in which they are cited in the main text and online appendix. All results are stored in **Results\All_in_One.log**.

(3) All variables have been labeled in the data file.

2: Dataset and Variables Definition

A Summary

Dataset	Description
HunanCntyYr.dta	County-year level panel data: Hunan Province
HunanBattleField.dta	County-battle level data: Hunan Province
ThreeRivers.dta	County level data in 1858 on Three Rivers Campaign: Hunan Province
HunanSurname.dta	County-surname-year panel data: Hunan Province
HuaiYr.dta	County-year level panel data: Huai Region
OfficialYear.dta	Yearly time-series data: National
NationalCntyYr.dta	County-year level panel data: National
EG_Index.dta	Province-year level panel data: National
ProvGovernors.dta	Province level data: National

2.1. HunanCntyYr.dta

Variable	Definition
cntyid	County ID
prefid	Prefecture ID
x_coord	Longitude
y_coord	Latitude
time	Period
year	Year
martyr	Number of soldier deaths
GentryDeath	Number of gentry deaths
lnmartyr1	ln Soldier deaths
lnmartyr_sine	ln Soldier deaths_inverse hyperbolic sine transformation
lnGentryDeath1	ln Gentry deaths
std_lnmartyr1	Standardized ln Solider deaths
std_lnGentryDeath1	Standardized ln Gentry deaths
Zenghu_all	Elite connections, Expanded networks (unweighted)
Zenghu_all_invdist	Elite connections, Expanded networks (weighted)
Zeng_all0	Elite connections, Baseline networks (unweighted)
Zeng_all0_invdist	Elite connections, Baseline networks (weighted)
Zeng_exam0_invdist	Elite connections, National-level exam connections (weighted)
Zeng_BMF_invdist	Elite connections, Blood, marriages and friends (weighted)
Zeng_Juren_invdist	Elite connections, Provincial-level exam connections (weighted)
Zeng_all0_invdist_pc	Elite connections per capita, Baseline networks (weighted)
Zeng_all0_pc	Elite connections per capita, Baseline networks (unweighted)
invdist0_L1	Placebo connection I: Assuming Zeng passed the previous exam
Invdist0_F1	Placebo connection II: Assuming Zeng passed the next exam
capital	Whether the county is a prefecture capital
mainriv	Whether the county has a main river

dist2canal	Distance to the Great Canal
dist_xiangxiang	Distance to Zeng's home county
LangSimilarity	Dialect similarity with Zeng
route1	Taiping's route to Nanjing
dist_nanjing	Distance to Nanjing
lnjinshi	ln Number of Jinshi
lnarea	ln Area
lnhh	ln Household
lnquotas	ln Quotas for the entry-level exam
lnpop	ln Population
lnurbanpop	ln Urban population
lnwheat	ln Wheat suitability
lnrice	ln Rice suitability
missingratio	The probability of soldier deaths with missing year to total soldier deaths
lntotmartyr_withmissing	ln Total soldier death during 1850-1864_with missing years

2.2. HunanBattleField.dta

Variable	**Definition**
cntyid	County ID
battleid	BattleField ID
prefid	Prefecture ID
x_battle	Longitude of battlefield
y_battle	Latitude of battlefield
year	Year
martyrs_battle	Number of soldier deaths in the same battle
lnmartyrs_battle1	ln Soldier deaths in the same battle
Zeng_all0_invdist	Elite connections, Baseline networks (weighted)
capital	Whether the county is a prefecture capital
mainriv	Whether the county has a main river
dist2canal	Distance to the Great Canal
dist_nanjing	Distance to Nanjing
route1	Taiping's route to Nanjing
lnjinshi	ln Number of Jinshi
lnarea	ln Area
lnhh	ln Household
lnquotas	ln Quotas for the entry-level exam
lnurbanpop	ln Urban population
lnwheat	ln Wheat suitability
lnrice	ln Rice suitability

2.3. ThreeRivers.dta

Variable	**Definition**
cntyid	County ID
prefid	Prefecture ID
year	Year
martyrs_battle	Solider deaths with battle information
martyrs_battle_sanhe	Soldier deaths in the Battle of Three Rivers
martyrs_battle_nosanhe	Soldier deaths in other battles
Zeng_all0_invdist	Elite connections, Baseline networks (weighted)
capital	Whether the county is a prefecture capital
mainriv	Whether the county has a main river

dist2canal	Distance to the Great Canal
route1	Taipings' route to Nanjing
dist_nanjing	Distance to Nanjing
lnjinshi	ln Number of Jinshi
lnarea	ln Area
lnhh	ln Household
lnquotas	ln Quotas for the entry-level exam
lnurbanpop	ln Urban population
lnwheat	ln Wheat Suitability
lnrice	ln Rice suitability

2.4. HunanSurname.dta

Variable	Definition
cntyid	County ID
prefid	Prefecture ID
surname_id	Surname ID
year	Year
martyr_surname	Deaths of soldiers from the same clan
lnmartyr_surname1	ln Deaths of soldiers from the same clan
sur_invdist_zeng_all0	Same-surname baseline connections
oth_sur_invdis_zeng_all0	Diff.-Surname baseline connections
capital	Whether the county is a prefecture capital
mainriv	Whether the county has a main river
dist2canal	Distance to the Great Canal
dist_nanjing	Distance to Nanjing
route1	Taiping's route to Nanjing
lnjinshi	ln Number of Jinshi
lnarea	ln Area
ln hh	ln Household
lnquotas	ln Quotas for the entry-level exam
lnurbanpop	ln Urban population
lnwheat	ln Wheat suitability
lnrice	ln Rice suitability

2.5 HuaiYr.dta

Variable	Definition
samcntyid	All counties: county ID
year	Year
provcd	Province ID
prefidXyear	Group (prefid year)
lnmartyr_yr	ln Soldier deaths
Zeng_all0_invdist	All counties: Elite connections, Baseline networks (weighted)
Zeng_exam0_invdist	All counties: Elite connections, National-level exam connections (weighted)
invdist0_L1	Placebo connection I: Assuming Zeng passed the previous exam
invdist0_F1	Placebo connection II: Assuming Zeng passed the next exam
lncntyarea	All counties: ln Area
lncntypop	All counties: ln Population
lnrice	All counties: ln Rice suitability

lnwheat	All counties: ln Wheat suitability
mainriv	All counties: Whether the county has a main river
dist2canal	All counties: Distance to the Great Canal
prefcap	All counties: Whether the county is a prefecture capital
lnurbanpop	All counties: ln Urban population
lnjinshi	All counties: ln Number of Jinshi
lncntyquota0	All counties: ln Quotas for the entry-level exam before 1850
dist_nanjing	All counties: Distance to Nanjing
Taiping_route1	All counties: Taiping's route to Nanjing

2.6. OfficialYear.dta

Variable	Definition
year	Year
tot_ind	Number of officials: Total number
tot_han_ind	Number of officials: The Han Chinese
tot_senior	Number of positions: Total number
tot_han_senior	Number of positions: The Han Chinese

2.7. NationalCntyYr.dta

Variable	Definition
samcntyid	All counties: county ID
cntyid	Hunan: county ID
prefid	Prefecture ID
provcd	Province ID
year	Year
x_scnty	Longitude
y_scnty	Latitude
martyrs_tot_post	Number of soldier deaths during 1854-64
lnmartyrs_tot_post	ln Number of soldier deaths during 1854-64
martyrs_tot_pre	Number of soldier deaths during 1850-53
martyrs_tot_nh	Number of soldier deaths of non-hunan provinces
alloff	Number of national-level offices
alloffd	Dummy variable:1 alloff > 0; 0 alloff == 0
entry	Number of national-level offices: Newly promoted
reentry	Number of national-level offices: Re-promoted
ZengConnected	Offices held by elites in Zeng's network
NotZengConnected	Offices held by elites outside Zeng's network
Zenghu_all	All counties: Elite connections, Expanded networks (unweighted)
Zenghu_all_invdist	All counties: Elite connections, Expanded networks (weighted)
Zeng_all0	All counties: Elite connections, Baseline networks (unweighted)
Zeng_all0_invdist	All counties: Elite connections, Baseline networks (weighted)
Zeng_exam0	All counties: Elite connections, National-level exam connections(unweighted)
Zeng_exam0_invdist	All counties: Elite connections, National-level exam connections(weighted)
Zeng_Extraexam_invdist	All counties: Other connections
Zeng_BMF_invdist	All counties: Elite connections, Blood, marriages and friends (weighted)
Zeng_Juren0_invdist	All counties: Elite connections, Province-level exam connections (weighted)
Zeng_all0_invdist_pc	All counties: Elite connections per capita, Baseline networks (weighted)

Zeng_all0_pc	All counties: Elite connections per capita, Baseline networks (unweighted)
invdist0_L1	All counties: Placebo connection I: Assuming Zeng passed the previous exam
Invdist0_F1	All counties: Placebo connection II: Assuming Zeng passed the next exam
lncntyarea	All counties: ln Area
lncntypop	All counties: ln Population
lnurbanpop	All counties: ln Urban population
lnwheat	All counties: ln Wheat suitability
lnrice	All counties: ln Rice suitability
mainriv	All counties: Whether the county has a main river
dist2canal	All counties: Distance to the Great Canal
prefcap	All counties: Whether the county is a prefecture capital
Taiping_route1	All counties: Taiping's route to Nanjing
dist_nanjing	All counties: Distance to Nanjing
lnjinshi	All counties: ln Number of Jinshi
lnjinshi_aft50	All counties: ln Number of Jinshi after 1850
lnjinshi_panel	All counties: ln Number of Jinshi (Panel)
chgjinshi	Changes in the number of Jinshi before and after 1850
lncntyquota0	All counties: ln Quotas for the entry-level exam before 1850
lncntyquota	All counties: ln Quotas for the entry-level exam after 1850
lncntyquota_panel	All counties: ln Quotas for the entry-level exam (Panel)
chgquota	Changes in the number of quotas for the entry-level exam before and after 1850

2.8. EG_Index.dta

Variable	Definition
year	Year
provcd	Province ID
prov	Province
alloff	Number of national-level offices
estimate	Yearly coefficient of Hunan*Connections
labor	Number of Jinshi during the past 40 years
Zeng_all0_invdist	Elite connections, Baseline networks (weighted)

2.9. ProvGovernors.dta

Variable	Definition
prov_en	Province
provcd	Province ID
Yangtze	Yangtze compact
mobbased2053	Governors from Hunan*connected counties, 1820-53
num2053	Total number of governors, 1820-53
mobbased5464	Governors from Hunan*connected counties, 1854-64
num5464	Total number of governors, 1854-64
mobbased6599	Governors from Hunan*connected counties, 1865-99
num6599	Total number of governors, 1865-99