

# "Elite Recruitment and Political Stability: The Impact of the Abolition of China's Civil Service Exam"

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## CODEBOOK

### FOUR FOLDERS:

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1	Data	Datasets (Software: Stata/MP 13.1)
2	Program	Program (Dofiles using Software: Stata/MP 13.1)
3	Figures	Folder for figures in the main text (and online appendix)
4	Tables	Folder for tables in the main text (and online appendix)

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Appendix: Prefecture List

## 1: Data

### 1.1: PrefYear.dta

Description: Yearly prefecture level panel Data (262 prefectures during 1900-06)

Variables	Definition
provcd	Province code
prefid	unique prefecture id
year	year
member	# revolutionaries
quota0	Total quotas before Taiping
quota	Total quotas after Taiping
coast	Coastal
mainriver	Whether there's main river
treaty	Treaty port
small	Small city
middle	Middle city
large	Large city
pop	Pop in 1880
size	Area
rebeldum	Incidence of early uprisings in 1911
boxer	Incidence of the Boxer Rebellion
north	Latitude>26.9
lnriverl	ln (river length)
rivernum2riv	# small rivers/river length
cnty2riverl	# counties/River Length (100km)
lnquota2riverl	ln(Quotas/River Length)
river70num2riv	# small rivers (<= 70km)/river length
othriver70num2riv	# small rivers (> 70km)/river length
river80num2riv	# small rivers (<= 80km)/river length
othriver80num2riv	# small rivers (> 80km)/river length
river90num2riv	# small rivers (<= 90km)/river length
othriver90num2riv	# small rivers (>90km)/river length
river100num2riv	# small rivers (<= 100km)/river length
othriver100num2riv	# small rivers (> 100km)/river length
river110num2riv	# small rivers (<= 110km)/river length
othriver110num2riv	# small rivers (> 1100km)/river length
river120num2riv	# small rivers (<= 120km)/river length
othriver120num2riv	# small rivers (> 120km)/river length
taxpc1820	Land tax per capita in 1820
pcapital	Provincial capital
ranka_p	Important in transportation (pref)
rankb_p	Important in business
rankc_p	Difficult to tax
rankd_p	High in crime rates
normal_ranka	County average - transportation
foxmillet	Crop suitability: Foxmillet (1/Unsuitable --> 8/Suitable)

rice	Crop suitability: Rice (1/Unsuitable --> 8/Suitable)
potato	Crop suitability: Sweet Potato (1/Unsuitable --> 8/Suitable)
hh_subbasin	Basin HHI
rqindex	Language polarization index
fragm	Language fragmentation index
mdf_ds	extremely drought -> 2: extremely flood, weighted by 1/distance <sup>2</sup>
sd_mdf_ds	Standard deviation of drought/flood index, 1800-99
mean_mdf_ds	Average drought/flood index, 1800-99 (from -2/drought to +2/flood)
change_p1p0	Change in # Presented scholars before 1425: 1399-1425 vs. 1368-1398
lnscholar0	Exam performance (# Presented scholar) during 1368-1398
change_p2p1	Change in exam performance: 1436-1505vs.1368-1435
change_p3p2	Change in exam performance: 1506-1572vs.1436-1505
change_p4p3	Change in exam performance: 1573-1643vs.1506-1572
change_p5p4	Change in exam performance: 1644-1722vs.1573-1643
change_p6p5	Change in exam performance: 1723-1795vs.1644-1722
change_p7p6	Change in exam performance: 1796-1861vs.1723-1795
jinshi	# presented scholars
official	# key officials: pre-1905
off1905	# key officials in 1905
ndfirm	# domestic modern firms
japan	# oversea students in Japan
concession	Foreign enclaves
jpnconcession	Foreign (Japan) enclaves
newspaper1911	newspaper1911
KMT	KMT parliament members
NonKMT	Non- KMT parliament members

## 1.2: PrefMonth.dta

Description: Monthly prefecture level panel Data (262 prefectures in 1905)

Variables	Definition
prefid	unique prefecture id
yrmon	Year*100+month; 190500 refers to the first half year of 1905
lnquota	ln Total quotas after Taiping
lnpop	ln Pop in 1880
lnsize	ln Area
mainriver	Whether there's main river
coast	Coastal
treaty	Treaty ports
small	Small city
middle	Middle city
large	Large city
provcd	Province code
tongmenghui_d	Having revolutionary or not
pop	Pop in 1880

### 1.3: CntyYear.dta

Description: Yearly county level panel Data in Guangdong (92 counties during 1894-1906)

Variables	Definition
countyid	Unique county ID
year	Year
prefcd	Prefecture code
prefcap	Prefecture capital
pop	Pop in 1880
lnpop	ln Pop in 1880
lnquota	ln Total quotas after Taiping
lnsize	ln Area
treaty	Treaty ports
coast	Coastal
member_d	Having revolutionary or not

### 1.4: ProvYear.dta

Description: Yearly province level panel Data (18 provinces during 1891-1910)

Variables	Definition
provcd	Province code
mainriver	Whether there's main river
coast	Coastal
treaty	Treaty ports
small	Small city
middle	Middle city
large	Large city
year	Year
landtax	Agricultural tax
commercial	Non-Agricultural tax
lnquota	ln Total quotas after Taiping
lnpop	ln Pop in 1880
lnsize	ln Area

### 1.5: AgeStructure.dta

Description: The age of revolutionaries

Variables	Definition
id	id
age	Age

### 1.6: NewComers.dta

Description: Prefecture level new comers in 1904 and 1907

Variables	Definition
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prefid	unique prefecture id
year	Year
jinshi	# presented scholars
official	# key officials: pre-1905
lnquota	ln Total quotas after Taiping
lnpop	ln Pop in 1880
new_comer	# presented scholars in 1904 & # quasi-presented scholars in 1907
provcd	Province code

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### 1.7: Party.dta

Description: Individual dataset (parliament members in 1912)

Variables	Definition
id	Member id
kmt	Kuomintang: Party identity
age_1912	Age in 1912
provcd	Province code
prefid	Prefecture ID
lnquota	ln Total quotas after Taiping
lnpop	ln Pop in 1880
lnsize	ln Area
coast	Coastal
treaty	Treaty ports
small	Small city
middle	Middle city
large	Large city
mainriver	Whether there's main river

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## **2: Program**

### **1.1: PrefYear.do**

Program for the following Tables and Figures

(Tables are exported to: \Tables; and Figures are exported to: \Figures)

Table 2 (columns 1-5: Yearly): The Impact of Quotas I: On Revolution Participation

Table 3: The Impact of Quotas II: On Early Uprisings in 1911 and the Boxer Rebellion

Table 4: Relevance and Placebo Tests of the Two Instruments

(a) IV1: #small river / river length

(b) IV2: short-run change in performance

Table 5: The Impact of Quotas III: Results from Instrumental Variables

Table 6B: The Role of Prospect II: the Impact of Heterogeneous Returns from the Exam

Table 7: Examining the Impact of Social Capital

Table 8A: The Role of Existing Elites I: Importance of Prospect

Table 8B: The Role of Existing Elites II: Importance of Public Goods

Table 9: Evaluating the Impact of Modern Human Capital

Table 10B: Checking the Role of State Capacity II: Results Using Importance Measures

Figure 4: Small Rivers, Counties and Quotas

Online Appendix

Table A.1: Quotas per capita and Prefecture Characteristics

Table A.2: Using the Number of Revolutionaries as an Alternative Outcome

Table A.3: The Dynamic Effects of Quotas on the Revolutionary Indicator

[Sources of Figure 3 (Panel b): The Dynamic Impacts of the Quotas on Revolution Participation, exported to \Figures]

Table A.5: Quotas and Party Identification (Prefecture level analysis)

Table A.6: Examining the Impact of International Influence

Table A.7: Robustness Checks of Using Small Rivers

### **1.2: PrefMonth.do**

Program for the following Tables and Figures

(Tables are exported to: \Tables; and Figures are exported to: \Figures)

Table 2 (columns 6-10: Monthly): The Impact of Quotas I: On Revolution Participation

[Sources of Figure 3 (Panel b): The Dynamic Impacts of the Quotas on Revolution Participation, exported to \Figures]

### **1.3: CntyYear.do**

Program for the following Tables and Figures

(Tables are exported to: \Tables; and Figures are exported to: \Figures)

Online Appendix

Table A.4: Year-by-Year Impacts across Counties in Guangdong

[Sources of Figure A6 (Panel b): The Results Using County-Year Data (1894-1906)]

#### **1.4: ProvYear.do**

Program for the following Tables and Figures

(Tables are exported to: \Tables; and Figures are exported to: \Figures)

Table 10A: Checking Changes in State Capacity I: Examining Taxes

Online Appendix

Table A.8: Examining Taxes Year by Year

#### **1.5: AgeStructure.do**

Program for the following Tables and Figures

(Tables are exported to: \Tables; and Figures are exported to: \Figures)

Online Appendix

Figure A.5: Age Distribution of the Revolutionaries in the Chinese Revolutionary Alliance

#### **1.6: NewComers.do**

Program for the following Tables and Figures

(Tables are exported to: \Tables; and Figures are exported to: \Figures)

Table 6A: The Role of Prospect I: Quotas and Political Newcomers Under Different Regimes

#### **1.7: Party.do**

Program for the following Tables and Figures

(Tables are exported to: \Tables; and Figures are exported to: \Figures)

Table A.5: Quotas and Party Identification (Individual level analysis)

### **3: Figures**

- (1) Saving all Figures exported by programs in Section 2.

Figure 4

Figure A5 (Online Appendix)

- (2) Making Figures from EXCEL files

Figure 3

Figure A2 (Online Appendix)

Figure A3 (Online Appendix)

Figure A6 (Online Appendix)

### **4: Tables**

- (1) Saving all Tables exported by programs:

Table 2 – Table 10B

Table A1 – Table A8 (Online Appendix)

- (2) Excel File - Table 1

## Prefecture List

Province	Prefecture	Prefecture ID: Prov*100+Pref	
		Province code	Prefecture code
Zhili	Shunhua Fu	1	1
	Xuanhua Fu	1	2
	Yongping Fu	1	3
	Baoding Fu	1	4
	Yi zhou	1	5
	Zunhua Zhou	1	6
	Zhao Zhou	1	7
	Ding Zhou	1	8
	Shen Zhou	1	9
	Ji Zhou	1	10
	Tianjin Fu	1	11
	Hejian Fu	1	12
	Zhengding Fu	1	13
	Shunde Fu	1	14
	Guangping Fu	1	15
	Daming Fu	1	16
Jiangsu	Jiangning Fu	2	1
	Yangzhou Fu	2	2
	Tong Zhou	2	3
	Haimen Ting	2	4
	Hai Zhou	2	5
	Xuzhou Fu	2	6
	Huaian Fu	2	7
	Suzhou Fu	2	8
	Songjiang Fu	2	9
	Zhenjiang Fu	2	11
	Changzhou Fu	2	12
Taicang Zhou	2	13	
Anhui	Guagnde Zhou	3	1
	Ningguo Fu	3	2
	Chizhou Fu	3	3
	Taiping Zhou	3	4
	Huizhou Fu	3	5
	Anqing Zhou	3	6
	Luzhou Fu	3	7
	Yingzhou Fu	3	8
	Fengyang Fu	3	9
	Sizhou	3	10
	Chuzhou	3	11
	He Zhou	3	12
Liuan Zhou	3	13	
Zhejiang	Hangzhou Fu	4	1
	Jiaxing FU	4	2
	Huzhou Fu	4	3
	Yanzhou Fu	4	4
	Shaoxing Fu	4	5
	Ningbo Fu	4	6
	Chuzhou Fu	4	7
	Quzhou Fu	4	8

	Jinhua Fu	4	9
	Wenzhou Fu	4	10
	Taizhou Fu	4	11
	Nanchang FU	5	1
	Nankang Fu	5	2
	Jiujiang Fu	5	3
	Ruizhou Fu	5	4
	Raozhou Fu	5	5
	Guangxin Fu	5	6
Jiangxi	Yuanzhou Fu	5	7
	Linjiang Fu	5	8
	Jian Fu	5	9
	Jianchang Fu	5	10
	Fuzhou Fu	5	11
	Nanan Fu	5	12
	Ningdu Zhou	5	13
	Ganzhou Fu	5	14
	Funing Fu	6	1
	Fuzhou Fu	6	2
	Jianning Fu	6	3
	Shaowu Fu	6	4
	Tingzhou Fu	6	5
Fujian	Yanping Fu	6	6
	Longyan Zhou	6	7
	Yongchun Zhou	6	8
	Xinghua Fu	6	9
	Quanzhou Fu	6	10
	Zhangzhou Fu	6	11
	Zhangde Fu	7	1
	Weihui Fu	7	2
	Huaiqing Fu	7	3
	Kaifeng Fu	7	4
	Henan Fu	7	5
	Guide Fu	7	6
Henan	Chenzhou Fu	7	7
	Xu Zhou	7	8
	Ru Zhou	7	9
	Shan Zhou	7	10
	Runing Fu	7	11
	Guang Zhou	7	12
	Nanyang Fu	7	13
	Jinan Fu	8	1
	Qingzhou Fu	8	2
	Dengzhou Fu	8	3
	Dongchang Fu	8	4
	Laizhou Fu	8	5
Shandong	Yizhou Fu	8	6
	Linqing Zhou	8	7
	Jining Fu	8	8
	Yanzhou Fu	8	9
	Caozhou Fu	8	10
	Wuding Fu	8	11
	Taian Fu	8	12
	Xiezhou	9	1

	Jiangzhou	9	2
	Puzhou Fu	9	3
	Pingyang Fu	9	4
	Xizhou	9	5
	Huozhou	9	6
	Zezhou Fu	9	7
	Luan Fu	9	8
	Qin Zhou	9	9
	Liao Zhou	9	10
Shanxi	Fenzhou Fu	9	11
	Taiyuan Fu	9	12
	Pingding Zhou	9	13
	Qi Zhou	9	14
	Baode Zhou	9	15
	Dai Zhou	9	16
	Ningwu Fu	9	17
	Datong Fu	9	18
	Shouping Fu	9	19
	Hanyang Fu	10	1
	Huangzhou Fu	10	2
	Wuchang Fu	10	3
	Dean Fu	10	4
Hubei	Jingzhou Fu	10	5
	Anlu Fu	10	6
	Jingmen Zhou	10	7
	Yichang Fu	10	8
	Shinan Fu	10	9
	Xiangyang Fu	10	10
	Yunyang Fu	10	11
	Changsha Fu	11	1
	Hengzhou Fu	11	2
	Baoqing Fu	11	3
	Yuezhou Fu	11	4
	Changde Fu	11	5
	Li Zhou	11	6
Hunan	Yongzhou Fu	11	7
	Bin Zhou	11	8
	Guiyang Zhou	11	9
	Yongshun Fu	11	10
	Xiangxi Siting	11	11
	Jing Zhou	11	12
	Chenzhou Fu	11	13
	Yuanzhou Fu	11	14
	Xian Fu	12	1
	Tongzhou Fu	12	2
	Lu Zhou	12	3
	Xingan Fu	12	4
Shaanxi	Shang Zhou	12	5
	Hanzhong Fu	12	6
	Suide Zhou	12	7
	Yulin Fu	12	8
	Yanan Fu	12	9
	Fengxiang Fu	12	10
	Bin Zhou	12	11

	Qinzhou	12	12
Gansu	Lanzhou Fu	13	1
	Gongchang Fu	13	2
	Pingliang Fu	13	3
	Qingyang Fu	13	4
	Ningxia Fu	13	5
	Ganzhou Fu	13	6
	Liangzhou Fu	13	7
	Xining Fu	13	8
	Jing Zhou	13	9
	Qin Zhou	13	10
	Jie Zhou	13	11
	Su Zhou	13	12
	Anxi Zhou	13	13
Sichuan	Chongqing Fu	14	1
	Lu Zhou	14	2
	Xuyong Ting	14	3
	Shunqing Fu	14	4
	Tongchuan Fu	14	5
	Zi Zhou	14	6
	Baoning Fu	14	7
	Youyang Zhou	14	8
	Suiding Fu	14	9
	Taiping Ting	14	10
	Kuizhou Fu	14	11
	Zhong Zhou	14	12
	Shizhu Ting	14	13
	Mianzhou	14	14
	Chengdu Fu	14	15
	Gong Zhou	14	16
	Longan Fu	14	17
	Mei Zhou	14	18
	Jiading Fu	14	19
	Xuzhou Fu	14	20
	Yazhou Fu	14	21
	Ningyuan Fu	14	22
	Maozhou	14	23
	Lifan ting	14	24
	Maogong Ting	14	25
	Songpan Ting	14	26
Guangdong	Guangzhou Fu	15	1
	Zhaoqing Fu	15	2
	Luoding Zhou	15	3
	Fogang Ting	15	4
	Huizhou Fu	15	5
	Chaozhou Fu	15	6
	Jiaying Zhou	15	7
	Shaoyzhou Fu	15	8
	Nanxiong Zhou	15	9
	Lian Zhou	15	10
	Lianshan Ting	15	11
	Gaozhou Fu	15	12
	Leizhou Fu	15	13
	Lianzhou Fu	15	14

	Qiongzhou Fu	15	15
Guangxi	Guzhou Fu	16	1
	Liuzhou Fu	16	2
	Qingyuan Fu	16	3
	Sien Fu	16	4
	Sicheng Fu	16	5
	Pingle Fu	16	6
	Wuzhou Fu	16	7
	Xunzhou Fu	16	8
	Nanning Fu	16	9
	Taipng Fu	16	10
	Zhenan Fu	16	11
	Yulin Zhou	16	12
Yunnan	Yunan Fu	17	1
	Huijiang Fu	17	2
	Chuxiong Fu	17	3
	Wuding Zhou	17	4
	Qujing Fu	17	5
	Guangxi Zhou	17	6
	Shunning Fu	17	7
	Yongchang Fu	17	8
	Tengyue Ting	17	9
	Puer Fu	17	10
	Yuanjiang Zhou	17	11
	Zhenyuan Zhou	17	12
	Jingdong Ting	17	13
	Kaihua Fu	17	14
	Guangnan Fu	17	15
	Linan Fu	17	16
	Zhaotong Fu	17	17
	Dongchuan Fu	17	18
	Dali Fu	17	19
	Menghua Ting	17	20
Lijiang Fu	17	21	
Yongbei Ting	17	22	
Guizhou	Guiyang Fu	18	1
	Anshun Fu	18	2
	Pingyue Zhou	18	3
	Duyun Fu	18	4
	Zunyi Fu	18	5
	Renhuai Ting	18	6
	Sinan Fu	18	7
	Shiqian Fu	18	8
	Tongtao Ting	18	9
	Tongren Fu	18	10
	Sizhou Fu	18	11
	Zhenyuan Fu	18	12
	Liping Fu	18	13
	Dading Fu	18	14
	Xingyi Fu	18	15
	Puan Ting	18	16