

**Table A1: Phases of Chinese immigration to Vietnam**

<b>Period</b>	<b>Chinese immigrants</b>	<b>Economic role</b>
Before the first half of the 17 <sup>th</sup> century	<ul style="list-style-type: none"><li>-Seasonal traders or political refugees</li><li>-Clustered in some trading hubs in Vietnam (e.g. Hoi An)</li><li>-Slow and stable inflow</li></ul>	<ul style="list-style-type: none"><li>-Were mostly seasonal traders who did not settle down in any one place for a long time</li><li>-Had no perpetual role in the Vietnamese economy</li></ul>
Second half of the 17 <sup>th</sup> century – second half of the 19 <sup>th</sup> century	<ul style="list-style-type: none"><li>-Traders, miners and workers</li><li>-Settled down mostly in South Vietnam.</li><li>-Increased in the volume of inflow due to the increase in trade opportunities brought about by the influx of Western traders to Vietnam</li></ul>	<ul style="list-style-type: none"><li>-Helped with establishment of villages and towns, fostering the circulation of goods and people for the Vietnamese domestic market</li><li>-Dominated internal and external trades</li><li>-Became a permanent component of the Vietnamese population</li></ul>
Second half of the 19 <sup>th</sup> century – 1955 (French colonization of Vietnam, Chinese diaspora)	<ul style="list-style-type: none"><li>-Traders, workers and middlemen</li><li>-Settled down mostly in South Vietnam</li><li>-Increased in volume due to favorable treatment from the French and high demand of the French administration for skilled labors.</li></ul>	<ul style="list-style-type: none"><li>-Dominated trade</li><li>-Expanded external trade thanks to the global Chinese network created by the earlier Chinese diaspora.</li><li>-Economic roles extended to ownership and administration of plantations, finance, transportation, and manufacturing.</li></ul>
1955-1975	<ul style="list-style-type: none"><li>-Traders, high-skilled labors</li><li>-Stable inflow</li></ul>	<ul style="list-style-type: none"><li>-Dominated trade, manufacturing, finance, and transportation</li><li>-Gained influence in technical and managerial professions</li></ul>
1975-1986	<ul style="list-style-type: none"><li>-Exodus</li></ul>	<ul style="list-style-type: none"><li>-Lost status and economic dominance due to the Vietnamese Communist Party's post-war policies.</li></ul>
1986-present	<ul style="list-style-type: none"><li>-Slow and stable outflow</li></ul>	<ul style="list-style-type: none"><li>-Allowed to do business again</li><li>-Played a crucial role in the development of the country</li></ul>

Source: Tran (1993)

**Table A2: Merged Provinces in Final Data**

Merged Province	Province in 1979	Province in 1989	Province in 1999	Province in 2009
<b>Hanoi</b>	Hanoi	Hanoi	Hanoi	Hanoi
	Ha Son Binh	Ha Son Binh	Hoa Binh	Hoa Binh
			Ha Tay	
<b>Ho Chi Minh City</b>	Ho Chi Minh City	Ho Chi Minh City	Ho Chi Minh City	Ho Chi Minh City
<b>Hai Phong</b>	Hai Phong	Hai Phong	Hai Phong	Hai Phong
<b>Cao Bang</b>	Cao Bang	Cao Bang	Cao Bang	Cao Bang
	Bac Thai	Bac Thai	Bac Kan	Bac Kan
			Thai Nguyen	Thai Nguyen
<b>Ha Tuyen</b>	Ha Tuyen	Ha Tuyen	Ha Giang	Ha Giang
			Tuyen Quang	Tuyen Quang
<b>Lang Son</b>	Lang Son	Lang Son	Lang Son	Lang Son
<b>Lai Chau</b>	Lai Chau	Lai Chau	Lai Chau	Lai Chau
				Dien Bien
<b>Hoang Lien Son</b>	Hoang Lien Son	Hoang Lien Son	Lao Cai	Lao Cai

			Yen Bai	Yen Bai
<b>Son La</b>	Son La	Son La	Son La	Son La
<b>Vinh Phu</b>	Vinh Phu	Vinh Phu	Vinh Phuc	Vinh Phuc
			Phu Tho	Phu Tho
<b>Ha Bac</b>	Ha Bac	Ha Bac	Bac Ninh	Bac Ninh
			Bac Giang	Bac Giang
<b>Quang Ninh</b>	Quang Ninh	Quang Ninh	Quang Ninh	Quang Ninh
<b>Hai Hung</b>	Hai Hung	Hai Hung	Hai Duong	Hai Duong
			Hung Yen	Hung Yen
<b>Thai Binh</b>	Thai Binh	Thai Binh	Thai Binh	Thai Binh
<b>Ha Nam Ninh</b>	Ha Nam Ninh	Ha Nam Ninh	Ha Nam	Ha Nam
			Nam Dinh	Nam Dinh
			Ninh Binh	Ninh Binh
<b>Thanh Hoa</b>	Thanh Hoa	Thanh Hoa	Thanh Hoa	Thanh Hoa
<b>Nghe Tinh</b>	Nghe Tinh	Nghe Tinh	Nghe An	Nghe An
			Ha Tinh	Ha Tinh

<b>Binh Tri Thien</b>	Binh Tri Thien	Quang Binh	Quang Binh	Quang Binh
		Quang Tri	Quang Tri	Quang Tri
		Thua Thien - Hue	Thua Thien - Hue	Thua Thien - Hue
<b>Quang Nam-Da Nang</b>	Quang Nam-Da Nang	Quang Nam-Da Nang	Da Nang	Da Nang
			Quang Nam	Quang Nam
<b>Nghia Binh</b>	Nghia Binh	Quang Ngai	Quang Ngai	Quang Ngai
		Binh Dinh	Binh Dinh	Binh Dinh
<b>Phu Khanh</b>	Phu Khanh	Phu Yen	Phu Yen	Phu Yen
		Khanh Hoa	Khanh Hoa	Khanh Hoa
<b>Thuan Hai</b>	Thuan Hai	Thuan Hai	Ninh Thuan	Ninh Thuan
			Binh Thuan	Binh Thuan
<b>Gia Lai - Kom Tum</b>	Gia Lai - Kom Tum	Gia Lai - Kom Tum	Gia Lai	Gia Lai
			Kon Tum	Kon Tum
<b>Dak Lak</b>	Dak Lak	Dak Lak	Dak Lak	Dak Lak
				Dak Nong

<b>Lam Dong</b>	Lam Dong	Lam Dong	Lam Dong	Lam Dong
<b>Song Be</b>	Song Be	Song Be	Binh Duong	Binh Duong
			Binh Phuoc	Binh Phuoc
<b>Tay Ninh</b>	Tay Ninh	Tay Ninh	Tay Ninh	Tay Ninh
<b>Long An</b>	Long An	Long An	Long An	Long An
<b>Dong Thap</b>	Dong Thap	Dong Thap	Dong Thap	Dong Thap
<b>An Giang</b>	An Giang	An Giang	An Giang	An Giang
<b>Tien Giang</b>	Tien Giang	Tien Giang	Tien Giang	Tien Giang
<b>Ben Tre</b>	Ben Tre	Ben Tre	Ben Tre	Ben Tre
<b>Cuu Long</b>	Cuu Long	Cuu Long	Vinh Long	Vinh Long
			Tra Vinh	Tra Vinh
<b>Hau Giang</b>	Hau Giang	Hau Giang	Soc Trang	Soc Trang
			Can Tho	Can Tho
				Hau Giang
<b>Kien Giang</b>	Kien Giang	Kien Giang	Kien Giang	Kien Giang

<b>Minh Hai</b>	Minh Hai	Minh Hai	Bac Lieu	Bac Lieu
			Ca Mau	Ca Mau
<b>Dong Nai</b>	Dong Nai	Dong Nai	Dong Nai	Dong Nai
	Ba Ria-Vung Tau	Ba Ria-Vung Tau	Ba Ria-Vung Tau	Ba Ria-Vung Tau

---

Table 8: Control for Red River and Mekong River

VARIABLES	Population density 2009 (ln)	Share of urban population 2009 (ln)	Per capita non-state ind. prod. 2005 (ln)	Per capita income 2010 (ln)	Per capita cons. exp. 1999 (ln)	Share of pop. living in poverty 2010 (ln)
	(1)	(2)	(3)	(4)	(5)	(6)
Share of Chinese population 1989 (ln)	0.756*** (0.226)	1.411* (0.783)	1.077 (0.814)	0.212 (0.164)	0.116 (0.135)	-2.172*** (0.702)
Share of Chinese population 1979 (ln)	-0.786*** (0.237)	-1.318 (0.837)	-0.973 (0.862)	-0.187 (0.177)	-0.130 (0.144)	2.175*** (0.712)
Share of pop. in state sector 1989 (ln)	0.387*** (0.0914)	0.820*** (0.202)	0.149 (0.265)	0.317*** (0.0548)	0.172*** (0.0433)	-0.872*** (0.211)
Population density 1976 (ln)	0.719*** (0.0381)	0.0557 (0.0979)	0.150 (0.145)	0.0462* (0.0271)	0.0660*** (0.0204)	-0.379*** (0.114)
Distance to Guangxi province, China (ln)	0.208** (0.102)	-0.163 (0.237)	-0.146 (0.230)	-0.100** (0.0414)	-0.0607 (0.0555)	-0.0927 (0.247)
Distance to closest major city	-0.000357 (0.000246)	0.00140** (0.000709)	-0.000466 (0.000837)	-0.000267* (0.000153)	-0.000456*** (0.000150)	0.000780 (0.000658)
Southern provinces	4.41e-05 (0.108)	-0.325 (0.520)	-0.100 (0.291)	0.0655 (0.0978)	0.200* (0.111)	0.644* (0.380)
Coastal provinces	-0.0424 (0.0679)	-0.0342 (0.148)	0.0813 (0.181)	-0.0450 (0.0313)	0.00820 (0.0248)	0.249 (0.203)
Per capita govt's invest. 1976-85 (ln)	0.0202 (0.0134)	0.119*** (0.0425)	0.134*** (0.0420)	0.0458*** (0.00939)	0.0564*** (0.00758)	-0.179*** (0.0455)
Average precipitation (ln)	0.0514 (0.228)	-0.123 (0.687)	1.118 (0.868)	0.264* (0.139)	0.293** (0.141)	-0.582 (0.664)
Average temperature (ln)	0.913 (0.994)	4.974 (3.489)	7.516** (3.814)	3.189*** (0.687)	2.847*** (0.790)	-10.05*** (2.930)
Mekong river provinces	-0.0929 (0.123)	-0.186 (0.287)	-0.812** (0.366)	-0.135** (0.0649)	-0.332*** (0.0460)	1.183*** (0.372)
Red river provinces	0.185 (0.148)	-0.182 (0.398)	0.514 (0.428)	0.108 (0.0887)	-0.0580 (0.0693)	0.903** (0.353)
Constant	-2.952 (2.662)	-12.91 (9.706)	-23.00** (10.64)	-4.635** (2.155)	-3.229* (1.962)	40.77*** (7.846)
Observations	37	37	37	37	37	37
R-squared	0.982	0.580	0.741	0.930	0.948	0.789

Standard errors in parentheses

\*\*\* p&lt;0.01, \*\* p&lt;0.05, \* p&lt;0.1

Table 9: Control for Trade Effects

VARIABLES	Population density 2009 (ln)	Share of urban population 2009 (ln)	Per capita non-state ind. prod. 2005 (ln)	Per capita income 2010 (ln)	Per capita cons. exp. 1999 (ln)	Share of pop. living in poverty 2010 (ln)
	(1)	(2)	(3)	(4)	(5)	(6)
Share of Chinese population 1989 (ln)	0.704*** (0.213)	1.310* (0.739)	2.328** (1.166)	0.330* (0.180)	0.274 (0.187)	-2.649** (1.105)
Share of Chinese population 1979 (ln)	-0.702*** (0.222)	-1.192 (0.802)	-2.293* (1.210)	-0.283 (0.187)	-0.283 (0.195)	2.662** (1.126)
Share of pop. in state sector 1989 (ln)	0.366*** (0.0572)	0.742*** (0.205)	0.447 (0.327)	0.400*** (0.0568)	0.267*** (0.0478)	-1.385*** (0.344)
Population density 1976 (ln)	0.769*** (0.0451)	0.00580 (0.148)	0.00205 (0.275)	0.0287 (0.0424)	0.0415 (0.0364)	-0.199 (0.215)
Distance to Guangxi province, China (ln)	0.145** (0.0684)	-0.165 (0.271)	-0.493 (0.373)	-0.195*** (0.0517)	-0.0884 (0.0723)	-0.207 (0.372)
Distance to closest major city	-0.000411** (0.000203)	0.00113 (0.000696)	-0.000977 (0.00108)	-0.000121 (0.000172)	-0.000490** (0.000192)	0.000329 (0.00114)
Southern provinces	-0.0907 (0.117)	-0.321 (0.471)	0.270 (0.627)	0.0274 (0.105)	0.146 (0.129)	0.933 (0.662)
Coastal provinces	-0.107* (0.0639)	-0.148 (0.184)	-0.161 (0.334)	-0.0432 (0.0357)	-0.0559 (0.0471)	0.260 (0.315)
Per capita govt's invest. 1976-85 (ln)	0.00253 (0.01000)	0.0939** (0.0373)	0.140*** (0.0494)	0.0401*** (0.00944)	0.0360*** (0.0110)	-0.115** (0.0556)
Average precipitation (ln)	0.220 (0.208)	-0.0459 (0.715)	1.429 (1.289)	0.211 (0.159)	0.351** (0.158)	-0.223 (0.899)
Average temperature (ln)	-1.223 (1.150)	2.963 (4.685)	7.117 (6.038)	3.249*** (1.146)	0.967 (0.931)	-6.368 (5.419)
Provinces with class-I seaports	0.00640 (0.0671)	0.280 (0.194)	0.553 (0.348)	-0.0317 (0.0555)	0.140* (0.0794)	-0.318 (0.493)
Distance to Yunnan province, China (ln)	0.119 (0.0779)	0.0968 (0.335)	-0.217 (0.433)	-0.0373 (0.0611)	0.113 (0.0758)	-0.353 (0.420)
Share border with China	-0.303*** (0.0878)	-0.207 (0.385)	-0.610 (0.554)	-0.278*** (0.0589)	-0.182** (0.0743)	0.0446 (0.386)
Constant	2.701 (2.695)	-6.999 (10.70)	-18.96 (13.63)	-3.603 (2.740)	2.035 (2.199)	30.21** (12.51)
Observations	37	37	37	37	37	37
R-squared	0.988	0.642	0.447	0.930	0.903	0.594

Standard errors in parentheses

\*\*\* p&lt;0.01, \*\* p&lt;0.05, \* p&lt;0.1



Table 10: The Impacts of Ethnic Chinese Minority on Change in Population Density, Urbanization, Per Capita Non-state Industrial Production, and Per Capita Income

VARIABLES	Change in population density 1989-2009 ( $\Delta \ln$ )	Change in share of urban population 1989-2009 ( $\Delta \ln$ )	Change in per capita non-state ind. prod. 1990-2005 ( $\Delta \ln$ )	Change in per capita income 1996-2010 ( $\Delta \ln$ )
	(1)	(2)	(3)	(4)
Share of Chinese population 1989 ( $\ln$ )	0.684*** (0.200)	1.145** (0.492)	1.780 (1.083)	0.332* (0.197)
Share of Chinese population 1979 ( $\ln$ )	-0.685*** (0.207)	-1.089** (0.517)	-1.736 (1.122)	-0.285 (0.198)
Share of pop. in state sector 1989 ( $\ln$ )	0.381*** (0.0565)	0.407*** (0.157)	0.335 (0.297)	0.406*** (0.0869)
Population density 1976 ( $\ln$ )	-0.123*** (0.0404)	-0.0983 (0.104)	-0.0729 (0.264)	0.0300 (0.0366)
Distance to Guangxi province, China ( $\ln$ )	0.107** (0.0531)	-0.296 (0.186)	-0.496 (0.322)	-0.193*** (0.0509)
Distance to closest major city	2.60e-05 (0.000204)	0.000395 (0.000516)	-0.00100 (0.000867)	-0.000125 (0.000180)
Southern provinces	-0.271*** (0.0915)	-0.196 (0.361)	0.326 (0.537)	0.0237 (0.124)
Coastal provinces	-0.0915 (0.0568)	-0.225 (0.149)	-0.243 (0.292)	-0.0438 (0.0360)
Per capita govt's invest. 1976-85 ( $\ln$ )	0.0107 (0.00773)	0.0610** (0.0300)	0.116** (0.0468)	0.0407*** (0.0137)
Average precipitation ( $\ln$ )	0.0655 (0.161)	0.223 (0.512)	1.166 (1.011)	0.215 (0.168)
Average temperature ( $\ln$ )	0.416 (0.786)	3.645 (2.444)	5.390 (4.912)	3.259*** (1.198)
Provinces with type-1 ports	0.0109 (0.0784)	0.259* (0.147)	0.488* (0.284)	-0.0330 (0.0539)
Distance to Yunnan province, China ( $\ln$ )	0.0990* (0.0599)	0.0308 (0.230)	-0.348 (0.364)	-0.0354 (0.0609)
Share border with China	-0.161** (0.0750)	-0.352 (0.261)	-0.590 (0.479)	-0.280*** (0.0659)
Share of urban population 1989 ( $\ln$ )		-0.555*** (0.111)		
Per capita non-state ind. prod. 1990 ( $\ln$ )			-0.634** (0.268)	
Per capita income 1996 ( $\ln$ )				-1.015*** (0.126)
Constant	-2.336 (2.002)	-9.011 (5.723)	-12.06 (12.14)	-3.609 (2.770)
Observations	37	37	37	37
R-squared	0.786	0.511	0.435	0.819

Standard errors in parentheses

\*\*\* p&lt;0.01, \*\* p&lt;0.05, \* p&lt;0.1

Table 11: Takes logs of distance to closest major city

	Population density 2009 (ln)	Share of urban population 2009 (ln)	Per capita non-state ind. prod. 2005 (ln)	Per capita income 2010 (ln)	Per capita cons. exp. 1999 (ln)	Share of pop. living in poverty 2010 (ln)
VARIABLES	(1)	(2)	(3)	(4)	(5)	(6)
Share of Chinese population 1989 (ln)	1.060*** (0.286)	0.781 (0.724)	2.096* (1.087)	0.489** (0.220)	0.413* (0.241)	-1.850** (0.877)
Share of Chinese population 1979 (ln)	-1.121*** (0.307)	-0.654 (0.764)	-2.090* (1.137)	-0.485** (0.233)	-0.457* (0.255)	1.911** (0.904)
Share of pop. in state sector 1989 (ln)	0.430*** (0.114)	0.851*** (0.194)	0.656 (0.447)	0.418*** (0.0805)	0.325*** (0.0767)	-0.920*** (0.292)
Population density 1976 (ln)	0.687*** (0.0901)	0.207* (0.124)	0.185 (0.277)	0.0336 (0.0479)	-0.0226 (0.0560)	0.0957 (0.171)
Distance to Guangxi province, China (ln)	0.147 (0.136)	-0.0459 (0.193)	-0.184 (0.404)	-0.119 (0.0764)	-0.111 (0.118)	0.185 (0.250)
Distance to closest major city (ln)	-0.130 (0.0805)	0.350*** (0.0919)	-0.221 (0.298)	-0.0811* (0.0448)	-0.114** (0.0455)	0.258 (0.176)
Southern provinces	0.0114 (0.126)	-0.0585 (0.318)	0.0749 (0.500)	0.0584 (0.123)	0.211 (0.153)	0.248 (0.434)
Coastal provinces	-0.0260 (0.0893)	-0.0741 (0.130)	0.146 (0.275)	-0.0273 (0.0517)	0.0747 (0.0528)	-0.0629 (0.190)
Per capita govt's invest. 1976-85 (ln)	0.0278** (0.0119)	0.0937*** (0.0282)	0.135*** (0.0485)	0.0489*** (0.00912)	0.0530*** (0.0126)	-0.134*** (0.0371)
Average precipitation (ln)	0.146 (0.244)	0.100 (0.387)	1.536 (1.004)	0.300* (0.167)	0.246 (0.179)	-0.477 (0.609)
Average temperature (ln)	1.003 (1.313)	1.948 (2.488)	4.792 (4.800)	3.086*** (1.009)	2.903** (1.225)	-9.410*** (3.203)
Constant	-2.592 (3.160)	-7.706 (7.523)	-16.07 (13.84)	-4.063 (2.837)	-2.189 (3.187)	33.63*** (9.140)
Observations	36	36	36	36	36	36
R-squared	0.962	0.653	0.389	0.837	0.754	0.547

Standard errors in parentheses

\*\*\* p&lt;0.01, \*\* p&lt;0.05, \* p&lt;0.1